

Supporting Information for
Efficient Deep Red/Near-Infrared Thermally
Activated Delayed Fluorescence Emitters via
Molecular Reconstruction: Theoretical
Insights

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The crystal prediction of Polymerph Predictor mainly includes three processes:

(1) Monte Carlo simulated annealing, simulated annealing consists of two stages: heating and cooling. (2) Cluster analysis: Monte Carlo simulation will obtain a large number of unoptimized structures, including the results of local energy minimization and similar structures. Cluster analysis adopts a method similar to energy optimization to find representatives from similar structures and remove other redundant crystal structures. (3) Energy minimization: the "cluster representation" obtained from the above (2) needs to be further refined and optimized, involving all degrees of freedom.

Specific parameter setting:

(1) Two single molecules were optimised using PBE0/1-3/6-31g*, using the optimised structure as a rigid body. Calculations of electrostatic and Van der Waals interactions were carried out by the Ewald long-range summation method. (2) The DREIDING 2.21 force field suitable for molecular crystals was selected. (3) Select four common spatial point groups: $P2_1/c$, P-1, $P2_12_12_1$ and $P2_1$. (4) The number of molecules in the asymmetric unit was chosen to be 1. (5) The maximum temperature for simulated annealing was 10000 K and the minimum was 300 K.

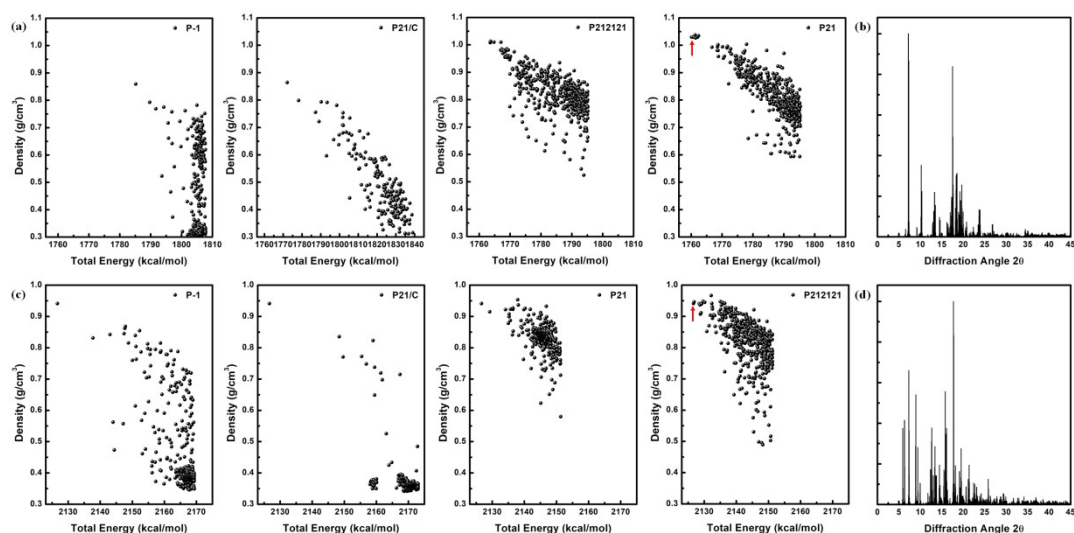


Fig. S1. Results of the polymorph prediction of CNQ-f-TPA(a)/CNQ-b-TPA(c) in $P2_1/P2_12_12_1$ space group as an energy-density plot. Each point represents one predicted crystal structure. The simulated XRPD of chosen structures for CNQ-f-TPA (c) and CNQ-b-TPA(d).

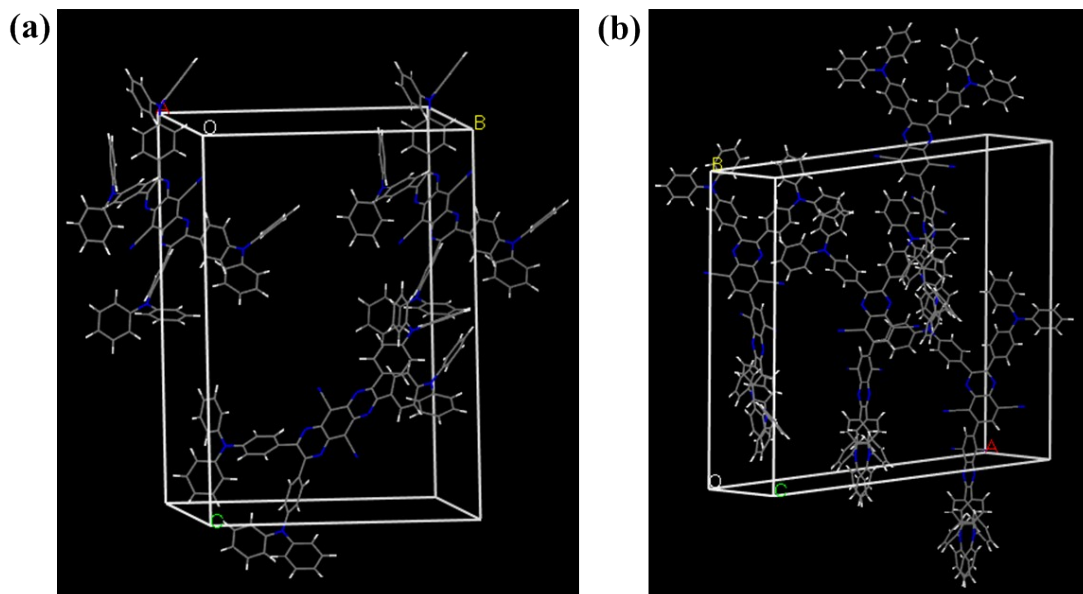


Fig. S2. Predicted crystal structures of CNQ-f-TPA and CNQ-b-TPA.

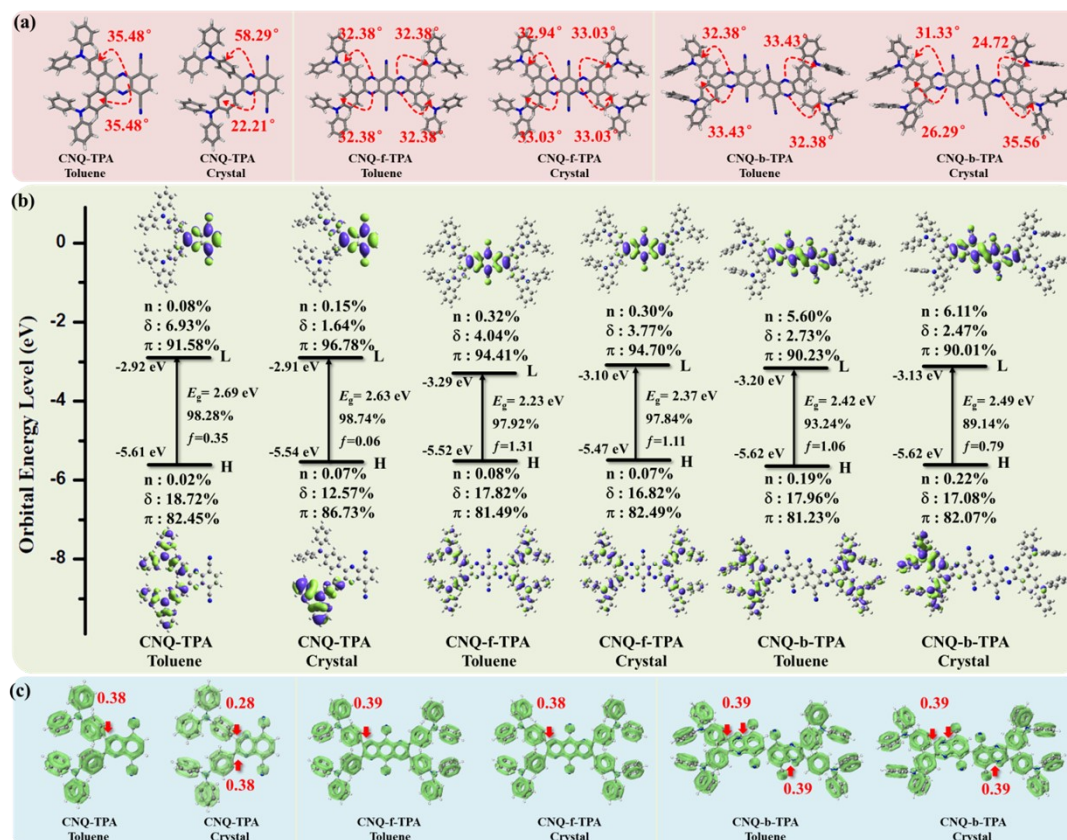


Fig. S3. (a) The S_1 -optimized geometries of CNQ-TPA, CNQ-f-TPA and CNQ-b-TPA. (b) Involved molecular orbitals in the energy levels, transition proportions and oscillator strengths for CNQ-TPA, CNQ-f-TPA and CNQ-b-TPA and its derivatives at the S_1 -optimized geometries in toluene and crystal state. (c) The localized orbital locator- π (LOL- π) isosurfaces for CNQ-TPA, CNQ-f-TPA and CNQ-b-TPA.

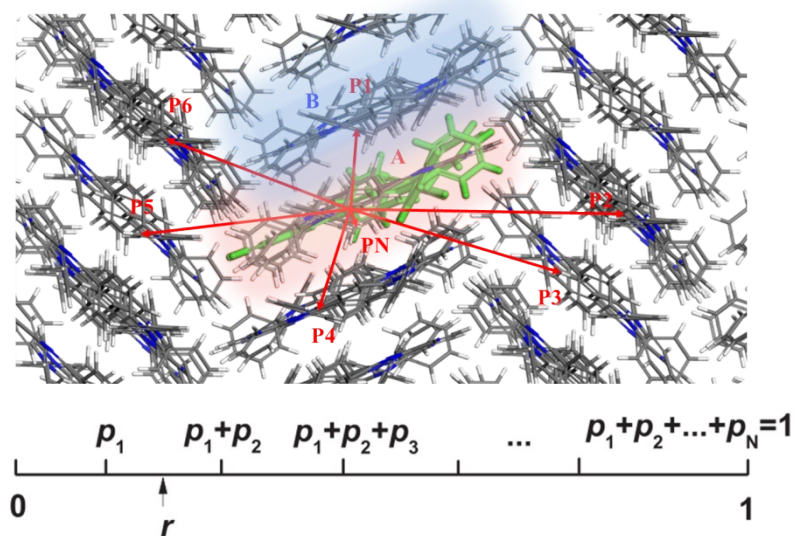


Fig. S4. Top: schematic representation of the charge hopping pathways from molecule A to all its neighbors with probabilities P_1 , P_2 , ..., P_N , where N is the number of neighbors. Bottom: a unit length is divided into N parts according to each probability, and a uniformly distributed random number, r , is generated.

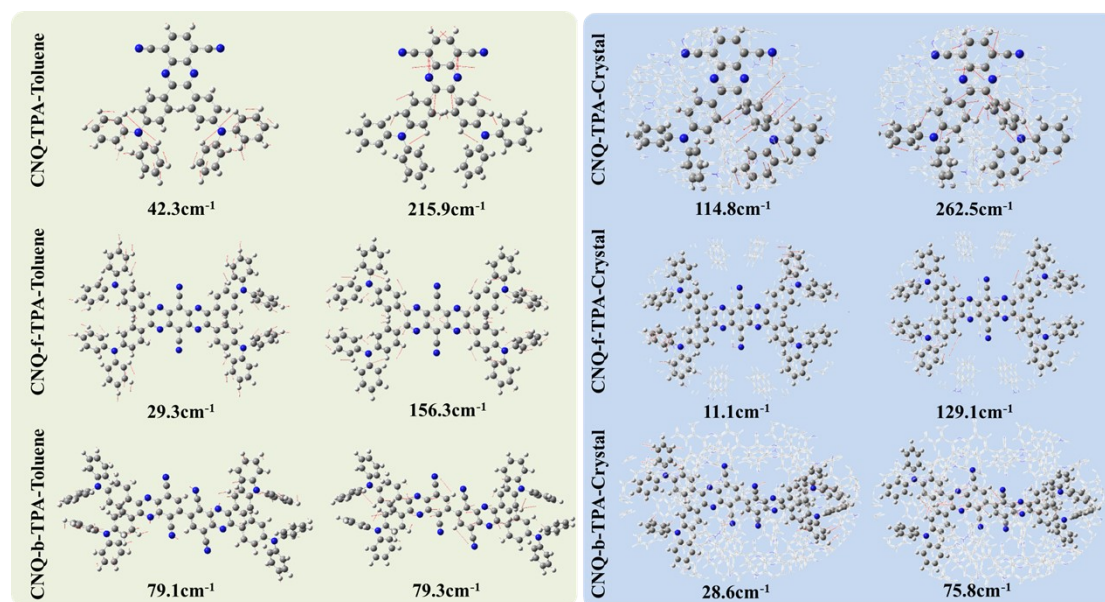


Fig. S5. Representative vibration modes of CNQ-TPA, CNQ-f-TPA and CNQ-b-TPA in toluene and crystal.

Cartesian coordinates of S_0 state of optimized CNQ-TPA in toluene:

C	7.59463600	-0.51797300	0.49487600
H	8.11408500	0.29269400	0.99313700
C	7.61933600	-2.45794400	-0.91796000
H	8.15658300	-3.16464600	-1.54034900
C	8.30041300	-1.41906300	-0.29422700
H	9.37132500	-1.31275900	-0.42120900
C	6.22502000	-0.65569700	0.66813900
C	5.53858500	-1.69182700	0.03189600
H	5.67995000	0.03906400	1.29617700
N	4.14270800	-1.83732100	0.20363000
C	6.24667700	-2.59222500	-0.76580300
C	3.29761200	-0.72661800	0.13917700
C	3.60703900	-3.13083000	0.40147900
H	5.71574100	-3.39548000	-1.26270500
C	2.13549100	-0.66895200	0.91984100
C	3.59082300	0.35516500	-0.70167300
C	4.21097800	-4.01111700	1.30085000
C	2.48261600	-3.54804600	-0.31297700
H	1.91045300	-1.47965700	1.60149100
C	1.28333600	0.41524500	0.83759600
H	4.48351200	0.33117800	-1.31396100
C	2.74626900	1.44611300	-0.75966900
C	3.69900500	-5.28881200	1.47554200
H	5.08289300	-3.68749100	1.85688500
H	2.01807900	-2.87047800	-1.01958900
C	1.96865900	-4.82279000	-0.12213600
C	1.56471400	1.49129200	-0.01150400
H	0.40279600	0.43587200	1.46744600
H	2.98853800	2.28038300	-1.40649300
H	4.17810600	-5.96233200	2.17709600
C	2.57436400	-5.70113700	0.76950400
H	1.09787100	-5.13327400	-0.68868400
C	0.72361200	2.69702000	-0.07315900
H	2.17650200	-6.69938400	0.91021300
N	1.36760200	3.82983100	-0.23981400
C	-0.72354500	2.69703400	0.07298900
C	0.68648600	4.98690200	-0.16197100
N	-1.36750600	3.82985000	0.23971900
C	-1.56467000	1.49131800	0.01138100
C	-0.68636500	4.98690900	0.16193700
C	1.35721500	6.22417700	-0.34725500
C	-1.28336200	0.41526800	-0.83773700
C	-2.74618600	1.44616500	0.75960800

C	-1.35706700	6.22419000	0.34728100
C	0.67701000	7.41542300	-0.17839500
C	2.74122800	6.22760300	-0.69867800
C	-2.13554800	-0.66890900	-0.91993900
H	-0.40285900	0.43587700	-1.46763800
H	-2.98840300	2.28044000	1.40644600
C	-3.59076900	0.35523600	0.70165600
C	-0.67683700	7.41542900	0.17848100
C	-2.74107900	6.22762900	0.69870900
H	1.19590000	8.35488200	-0.31659100
N	3.86056500	6.26606600	-0.98855500
H	-1.91056800	-1.47961600	-1.60160600
C	-3.29762800	-0.72655000	-0.13921300
H	-4.48342600	0.33126800	1.31399100
H	-1.19570700	8.35489300	0.31672500
N	-3.86042600	6.26607400	0.98855200
N	-4.14275300	-1.83723400	-0.20362300
C	-3.60712400	-3.13075500	-0.40150500
C	-5.53861800	-1.69170900	-0.03181500
C	-2.48267000	-3.54799700	0.31288500
C	-4.21113400	-4.01102600	-1.30084300
C	-6.24668800	-2.59209000	0.76592300
C	-6.22506300	-0.65556500	-0.66802200
H	-2.01807700	-2.87044100	1.01947300
C	-1.96875200	-4.82275200	0.12201300
H	-5.08307300	-3.68738000	-1.85682800
C	-3.69919900	-5.28873200	-1.47556700
H	-5.71574300	-3.39535600	1.26279800
C	-7.61933500	-2.45777900	0.91815400
H	-5.68001100	0.03918300	-1.29609000
C	-7.59466800	-0.51781000	-0.49468700
H	-1.09793800	-5.13325700	0.68851100
C	-2.57452700	-5.70108400	-0.76959400
H	-4.17835600	-5.96224000	-2.17709600
C	-8.30042200	-1.41888200	0.29445600
H	-8.15656500	-3.16446700	1.54057100
H	-8.11412500	0.29286900	-0.99292100
H	-2.17669500	-6.69934000	-0.91032800
H	-9.37132500	-1.31255400	0.42149400

Cartesian coordinates of S_0 state of optimized CNQ-TPA in crystal:

N-N_R	9.51408100	11.83721300	-4.94135200 L
N-N_R	9.27517700	9.25272600	-6.00569200 L

N-N_R	14.72288300	12.99155700	-1.52434300 L
C-C_R	10.45707800	10.92826100	-4.71005300 L
C-C_R	13.88942600	11.37621100	-3.12504100 L
C-C_R	11.60079700	11.40540300	-3.90425500 L
C-C_R	12.89099000	10.85197400	-3.91550900 L
C-C_R	10.30304800	9.58140000	-5.24291300 L
N-N_R	14.18209300	5.54747600	-4.24469800 L
C-C_R	11.40614800	12.52497400	-3.08757200 L
C-C_R	8.31202100	10.19188200	-6.22269600 L
C-C_R	13.68356600	12.48430800	-2.31146600 L
C-C_R	8.42641400	11.46870700	-5.66763600 L
C-C_R	15.69089900	12.07565900	-0.97600200 L
C-C_R	12.40074700	13.04798900	-2.31028600 L
C-C_R	11.25761200	8.48077000	-4.97309500 L
C-C_R	7.16429900	9.86308000	-6.97932900 L
C-C_R	15.20073400	14.57786300	0.25233800 L
C-C_R	14.74362800	14.32546600	-1.02370300 L
C-C_R	12.44919400	7.06021100	-3.44319100 L
C-C_R	11.53176500	8.06522200	-3.68120000 L
C-C_R	13.13724800	6.48485500	-4.50186000 L
C-C_R	7.38714200	12.40765500	-5.88408500 L
C-C_R	14.14433700	4.27522700	-4.87141600 L
C-C_R	15.29794000	11.08972200	-0.11508300 L
C-C_R	12.82259700	6.84966500	-5.78500300 L
C-C_R	11.87419200	7.83764400	-6.02182400 L
C-C_R	17.03422100	12.26095400	-1.23374000 L
C-C_R	6.27843500	12.06598600	-6.61007100 L
C-C_R	6.16924000	10.79424500	-7.16210800 L
C-C_R	7.52959000	13.71560900	-5.31284400 L
N-N_R	7.61691000	14.76006000	-4.85565700 L
C-C_R	14.36915500	15.39438300	-1.81883400 L
C-C_R	15.18014700	5.89500300	-3.31910200 L
C-C_R	17.95903600	11.45477400	-0.60675600 L
C-C_R	7.04796300	8.55109600	-7.56553400 L
C-C_R	16.23216400	10.28107700	0.50218400 L
N-N_R	6.92118500	7.52763500	-8.04443400 L
C-C_R	14.92541400	16.91817900	-0.05463100 L
C-C_R	12.95432700	3.58792900	-4.96785000 L
C-C_R	17.57066500	10.46930300	0.24747400 L
C-C_R	15.30885100	15.86139300	0.72387100 L
C-C_R	15.29080300	3.69818100	-5.39809100 L
C-C_R	12.91165500	2.33817000	-5.56108600 L
C-C_R	14.44501800	16.67668500	-1.30267800 L
C-C_R	16.76116600	5.30747600	-1.61169000 L

C-C_R	15.80051400	4.92061900	-2.53246700 L
C-C_R	15.55331100	7.21203400	-3.14067300 L
C-C_R	15.23106200	2.43267300	-5.97617500 L
C-C_R	14.04442800	1.76037200	-6.05070800 L
C-C_R	16.50088700	7.54694100	-2.18943000 L
C-C_R	17.11497200	6.58734300	-1.42281700 L
N-N_R	10.03685400	5.83963200	3.28517000 L
N-N_R	9.79799200	3.25587800	2.22150800 L
N-N_R	15.24565600	6.99397600	6.70217900 L
C-C_R	10.97989400	4.93141300	3.51714700 L
C-C_R	14.41219900	5.37862900	5.10148100 L
C-C_R	12.12352300	5.40850100	4.32153500 L
C-C_R	13.41380600	4.85512600	4.31169000 L
C-C_R	10.82582100	3.58381800	2.98360800 L
N-N_R	14.70486700	-0.45010500	3.98182300 L
C-C_R	11.92887500	6.52807200	5.13821700 L
C-C_R	8.83483700	4.19503400	2.00450400 L
C-C_R	14.20634000	6.48672600	5.91505600 L
C-C_R	8.94918700	5.47112600	2.55888500 L
C-C_R	16.21367200	6.07807800	7.25052000 L
C-C_R	12.92352000	7.05040800	5.91623500 L
C-C_R	11.78042800	2.48392200	3.25410500 L
C-C_R	7.68702600	3.86617900	1.24646100 L
C-C_R	15.72355000	8.58101500	8.47953800 L
C-C_R	15.26640100	8.32788400	7.20281800 L
C-C_R	12.97196700	1.06263000	4.78333100 L
C-C_R	12.05453800	2.06764000	4.54532200 L
C-C_R	13.66006300	0.48800700	3.72534000 L
C-C_R	7.90991500	6.41007300	2.34243600 L
C-C_R	14.66711100	-1.72235400	3.35510600 L
C-C_R	15.82071400	5.09214100	8.11143900 L
C-C_R	13.34541200	0.85281700	2.44219700 L
C-C_R	12.39700800	1.84079600	2.20537600 L
C-C_R	17.55699400	6.26337300	6.99278200 L
C-C_R	6.80125100	6.06913900	1.61712900 L
C-C_R	6.69205600	4.79739800	1.06509200 L
C-C_R	8.05236400	7.71802800	2.91367800 L
N-N_R	8.13968300	8.76247900	3.37086500 L
C-C_R	14.89197000	9.39753500	6.40836600 L
C-C_R	15.70296200	-0.10184500	4.90809800 L
C-C_R	18.48180900	5.45719200	7.61976600 L
C-C_R	7.57073600	2.55351500	0.66098700 L
C-C_R	16.75493700	4.28349500	8.72870600 L
N-N_R	7.44400000	1.53078700	0.18276600 L

C-C_R	15.44818800	10.92059800	8.17189100 L
C-C_R	13.47710000	-2.40965300	3.25867100 L
C-C_R	18.09339100	4.47240100	8.47326300 L
C-C_R	15.83162400	9.86381100	8.95039300 L
C-C_R	15.81357600	-2.29940000	2.82843000 L
C-C_R	13.43442900	-3.65941100	2.66543600 L
C-C_R	14.96783400	10.67983700	6.92452200 L
C-C_R	17.28393900	-0.69010600	6.61483200 L
C-C_R	16.32333000	-1.07622900	5.69473300 L
C-C_R	16.07608500	1.21445300	5.08584900 L
C-C_R	15.75383500	-3.56490800	2.25034600 L
C-C_R	14.56715400	-4.23653000	2.17508100 L
C-C_R	17.02370300	1.55009300	6.03777000 L
C-C_R	17.63774100	0.59117500	6.80365100 L
N-N_R	10.55962300	-0.15653600	11.51163800 L
N-N_R	10.32076600	-2.74170300	10.44802900 L
N-N_R	15.76842900	0.99639500	14.92870100 L
C-C_R	11.50262100	-1.06548800	11.74293600 L
C-C_R	14.93501500	-0.61821800	13.32868100 L
C-C_R	12.64633900	-0.58834700	12.54873500 L
C-C_R	13.93657900	-1.14245500	12.53821200 L
C-C_R	11.34863700	-2.41302900	11.21080800 L
N-N_R	15.22768200	-6.44695300	12.20902300 L
C-C_R	12.45164800	0.53049100	13.36473900 L
C-C_R	9.35761000	-1.80254700	10.23102600 L
C-C_R	14.72915500	0.48987900	14.14225600 L
C-C_R	9.47195600	-0.52504200	10.78535300 L
C-C_R	16.73648800	0.08123000	15.47772000 L
C-C_R	13.44628900	1.05424000	14.14270300 L
C-C_R	12.30320100	-3.51365900	11.48062600 L
C-C_R	8.20984100	-2.13066900	9.47366100 L
C-C_R	16.24632300	2.58343400	16.70606000 L
C-C_R	15.78921700	2.33103700	15.43001800 L
C-C_R	13.49478200	-4.93421800	13.01053100 L
C-C_R	12.57731200	-3.92994100	12.77184300 L
C-C_R	14.18279000	-5.50889500	11.95113000 L
C-C_R	8.43273100	0.41322500	10.56963600 L
C-C_R	15.18992600	-7.71920200	11.58230600 L
C-C_R	16.34352900	-0.90470700	16.33863900 L
C-C_R	13.86818600	-5.14476400	10.66871900 L
C-C_R	12.91978100	-4.15678500	10.43189700 L
C-C_R	18.07981000	0.26652500	15.21998200 L
C-C_R	7.32402400	0.07155700	9.84365100 L
C-C_R	7.21478200	-1.19950400	9.29088200 L

C-C_R	8.57513300	1.72186000	11.14014600 L
N-N_R	8.66249800	2.76563100	11.59806500 L
C-C_R	15.41474400	3.39995300	14.63488800 L
C-C_R	16.22573600	-6.09942700	13.13461900 L
C-C_R	19.00458200	-0.54038900	15.84628700 L
C-C_R	8.09355200	-3.44333300	8.88818700 L
C-C_R	17.27770600	-1.71267300	16.95517400 L
N-N_R	7.96677400	-4.46679400	8.40928700 L
C-C_R	15.97100300	4.92375000	16.39909100 L
C-C_R	13.99991500	-8.40650000	11.48587100 L
C-C_R	18.61620700	-1.52444600	16.70046300 L
C-C_R	16.35443900	3.86696400	17.17759300 L
C-C_R	16.33635000	-8.29698200	11.05495200 L
C-C_R	13.95724400	-9.65625900	10.89263600 L
C-C_R	15.49060700	4.68225600	15.15104400 L
C-C_R	17.80675400	-6.68695300	14.84203200 L
C-C_R	16.84605700	-7.07313000	13.92052300 L
C-C_R	16.59890000	-4.78239500	13.31304800 L
C-C_R	16.27665100	-9.56175600	10.47754600 L
C-C_R	15.08997000	-10.23337800	10.40228100 L
C-C_R	17.54647600	-4.44748800	14.26429200 L
C-C_R	18.16051500	-5.40640600	15.03017200 L
N-N_R	-15.06803000	11.82202800	-3.39029600 L
N-N_R	-15.30693400	9.23754100	-4.45463600 L
N-N_R	-9.85922800	12.97637200	0.02671300 L
C-C_R	-14.12503200	10.91307600	-3.15899700 L
C-C_R	-10.69268500	11.36102500	-1.57398500 L
C-C_R	-12.98131400	11.39021700	-2.35319900 L
C-C_R	-11.69112000	10.83678900	-2.36445400 L
C-C_R	-14.27906300	9.56621400	-3.69185700 L
N-N_R	-10.40001700	5.53229100	-2.69364300 L
C-C_R	-13.17596200	12.50978900	-1.53651700 L
C-C_R	-16.27009000	10.17669700	-4.67164000 L
C-C_R	-10.89854400	12.46912200	-0.76041000 L
C-C_R	-16.15569700	11.45352200	-4.11658000 L
C-C_R	-8.89121200	12.06047300	0.57505400 L
C-C_R	-12.18136400	13.03280400	-0.75923000 L
C-C_R	-13.32449900	8.46558400	-3.42203900 L
C-C_R	-17.41781100	9.84789500	-5.42827300 L
C-C_R	-9.38137600	14.56267800	1.80339400 L
C-C_R	-9.83848300	14.31028000	0.52735200 L
C-C_R	-12.13291700	7.04502600	-1.89213500 L
C-C_R	-13.05034500	8.05003600	-2.13014400 L
C-C_R	-11.44486300	6.46966900	-2.95080400 L

C-C_R	-17.19496900	12.39246900	-4.33303000 L
C-C_R	-10.43777300	4.26004200	-3.32036000 L
C-C_R	-9.28417000	11.07453600	1.43597300 L
C-C_R	-11.75951400	6.83447900	-4.23394700 L
C-C_R	-12.70791800	7.82245800	-4.47076800 L
C-C_R	-7.54789000	12.24576900	0.31731600 L
C-C_R	-18.30367500	12.05080100	-5.05901500 L
C-C_R	-18.41287000	10.77906000	-5.61105200 L
C-C_R	-17.05252000	13.70042400	-3.76178800 L
N-N_R	-16.96520100	14.74487500	-3.30460100 L
C-C_R	-10.21295600	15.37919700	-0.26777800 L
C-C_R	-9.40196400	5.87981700	-1.76804600 L
C-C_R	-6.62307500	11.43958800	0.94430000 L
C-C_R	-17.53414800	8.53591100	-6.01447900 L
C-C_R	-8.34994700	10.26589100	2.05324000 L
N-N_R	-17.66092600	7.51244900	-6.49337900 L
C-C_R	-9.65669600	16.90299300	1.49642500 L
C-C_R	-11.62778400	3.57274300	-3.41679500 L
C-C_R	-7.01144600	10.45411800	1.79853000 L
C-C_R	-9.27326000	15.84620700	2.27492700 L
C-C_R	-9.29130700	3.68299600	-3.84703600 L
C-C_R	-11.67045500	2.32298500	-4.01003000 L
C-C_R	-10.13709200	16.66150000	0.24837800 L
C-C_R	-7.82094500	5.29229000	-0.06063400 L
C-C_R	-8.78159600	4.90543400	-0.98141100 L
C-C_R	-9.02879900	7.19684900	-1.58961700 L
C-C_R	-9.35104900	2.41748800	-4.42512000 L
C-C_R	-10.53768300	1.74518600	-4.49965300 L
C-C_R	-8.08122300	7.53175600	-0.63837400 L
C-C_R	-7.46713800	6.57215800	0.12823900 L
N-N_R	-14.54525600	5.82444600	4.83622600 L
N-N_R	-14.78411800	3.24069300	3.77256400 L
N-N_R	-9.33645400	6.97879100	8.25323500 L
C-C_R	-13.60221700	4.91622800	5.06820300 L
C-C_R	-10.16991100	5.36344400	6.65253700 L
C-C_R	-12.45858700	5.39331600	5.87259100 L
C-C_R	-11.16830500	4.83994100	5.86274600 L
C-C_R	-13.75628900	3.56863300	4.53466400 L
N-N_R	-9.87724400	-0.46529100	5.53287900 L
C-C_R	-12.65323600	6.51288700	6.68927300 L
C-C_R	-15.74727400	4.17984900	3.55556000 L
C-C_R	-10.37577100	6.47154100	7.46611200 L
C-C_R	-15.63292300	5.45594100	4.10994100 L
C-C_R	-8.36843800	6.06289200	8.80157600 L

C-C_R	-11.65859000	7.03522200	7.46729100 L
C-C_R	-12.80168300	2.46873700	4.80516000 L
C-C_R	-16.89508500	3.85099300	2.79751700 L
C-C_R	-8.85856100	8.56583000	10.03059400 L
C-C_R	-9.31570900	8.31269900	8.75387400 L
C-C_R	-11.61014400	1.04744500	6.33438700 L
C-C_R	-12.52757200	2.05245500	6.09637800 L
C-C_R	-10.92204700	0.47282100	5.27639600 L
C-C_R	-16.67219500	6.39488800	3.89349200 L
C-C_R	-9.91500000	-1.73753900	4.90616200 L
C-C_R	-8.76139700	5.07695500	9.66249400 L
C-C_R	-11.23669800	0.83763200	3.99325300 L
C-C_R	-12.18510300	1.82561100	3.75643200 L
C-C_R	-7.02511600	6.24818700	8.54383800 L
C-C_R	-17.78085900	6.05395300	3.16818500 L
C-C_R	-17.89005500	4.78221200	2.61614800 L
C-C_R	-16.52974700	7.70284300	4.46473400 L
N-N_R	-16.44242800	8.74729300	4.92192000 L
C-C_R	-9.69014000	9.38234900	7.95942200 L
C-C_R	-8.87914800	-0.11703100	6.45915400 L
C-C_R	-6.10030200	5.44200700	9.17082100 L
C-C_R	-17.01137500	2.53832900	2.21204300 L
C-C_R	-7.82717400	4.26831000	10.27976200 L
N-N_R	-17.13811000	1.51560100	1.73382100 L
C-C_R	-9.13392300	10.90541200	9.72294700 L
C-C_R	-11.10501100	-2.42483800	4.80972700 L
C-C_R	-6.48871900	4.45721600	10.02431900 L
C-C_R	-8.75048700	9.84862600	10.50144900 L
C-C_R	-8.76853400	-2.31458600	4.37948600 L
C-C_R	-11.14768200	-3.67459700	4.21649200 L
C-C_R	-9.61427700	10.66465200	8.47557800 L
C-C_R	-7.29817200	-0.70529100	8.16588700 L
C-C_R	-8.25878000	-1.09141400	7.24578900 L
C-C_R	-8.50602600	1.19926800	6.63690400 L
C-C_R	-8.82827500	-3.58009400	3.80140200 L
C-C_R	-10.01495600	-4.25171500	3.72613700 L
C-C_R	-7.55840800	1.53490800	7.58882600 L
C-C_R	-6.94436900	0.57599000	8.35470700 L
N-N_R	-14.02248700	-0.17172200	13.06269300 L
N-N_R	-14.26134500	-2.75688900	11.99908500 L
N-N_R	-8.81368100	0.98120900	16.47975600 L
C-C_R	-13.07949000	-1.08067400	13.29399200 L
C-C_R	-9.64709600	-0.63340400	14.87973700 L
C-C_R	-11.93577100	-0.60353200	14.09979100 L

C-C_R	-10.64553200	-1.15764100	14.08926800 L
C-C_R	-13.23347400	-2.42821500	12.76186400 L
N-N_R	-9.35442800	-6.46213800	13.76007900 L
C-C_R	-12.13046300	0.51530600	14.91579500 L
C-C_R	-15.22450100	-1.81773200	11.78208100 L
C-C_R	-9.85295500	0.47469300	15.69331200 L
C-C_R	-15.11015400	-0.54022800	12.33640900 L
C-C_R	-7.84562300	0.06604400	17.02877600 L
C-C_R	-11.13582100	1.03905400	15.69375900 L
C-C_R	-12.27891000	-3.52884500	13.03168200 L
C-C_R	-16.37226900	-2.14585500	11.02471700 L
C-C_R	-8.33578800	2.56824900	18.25711500 L
C-C_R	-8.79289400	2.31585100	16.98107400 L
C-C_R	-11.08732800	-4.94940300	14.56158700 L
C-C_R	-12.00479900	-3.94512600	14.32289900 L
C-C_R	-10.39932000	-5.52408000	13.50218600 L
C-C_R	-16.14938000	0.39804000	12.12069200 L
C-C_R	-9.39218400	-7.73438700	13.13336200 L
C-C_R	-8.23858100	-0.91989300	17.88969400 L
C-C_R	-10.71392500	-5.15995000	12.21977400 L
C-C_R	-11.66233000	-4.17197100	11.98295300 L
C-C_R	-6.50230100	0.25134000	16.77103800 L
C-C_R	-17.25808600	0.05637200	11.39470700 L
C-C_R	-17.36732800	-1.21469000	10.84193700 L
C-C_R	-16.00697800	1.70667400	12.69120100 L
N-N_R	-15.91961200	2.75044600	13.14912000 L
C-C_R	-9.16736700	3.38476800	16.18594300 L
C-C_R	-8.35637500	-6.11461200	14.68567500 L
C-C_R	-5.57752800	-0.55557400	17.39734300 L
C-C_R	-16.48855900	-3.45851900	10.43924300 L
C-C_R	-7.30440500	-1.72785800	18.50623000 L
N-N_R	-16.61533700	-4.48198000	9.96034300 L
C-C_R	-8.61110700	4.90856400	17.95014700 L
C-C_R	-10.58219500	-8.42168600	13.03692700 L
C-C_R	-5.96590400	-1.53963200	18.25151900 L
C-C_R	-8.22767100	3.85177800	18.72864900 L
C-C_R	-8.24576100	-8.31216700	12.60600800 L
C-C_R	-10.62486600	-9.67144400	12.44369200 L
C-C_R	-9.09150400	4.66707000	16.70210000 L
C-C_R	-6.77535600	-6.70213900	16.39308700 L
C-C_R	-7.73605400	-7.08831600	15.47157900 L
C-C_R	-7.98321000	-4.79758000	14.86410400 L
C-C_R	-8.30546000	-9.57694100	12.02860200 L
C-C_R	-9.49214100	-10.24856300	11.95333700 L

C-C_R	-7.03563500	-4.46267300	15.81534800 L
C-C_R	-6.42159600	-5.42159200	16.58122800 L
N-N_R	8.91780900	1.50662000	-14.49258400 L
N-N_R	8.67890500	-1.07786700	-15.55692400 L
N-N_R	14.12661100	2.66096500	-11.07557500 L
C-C_R	9.86080600	0.59766800	-14.26128500 L
C-C_R	13.29315400	1.04561800	-12.67627300 L
C-C_R	11.00452500	1.07481000	-13.45548700 L
C-C_R	12.29471800	0.52138100	-13.46674200 L
C-C_R	9.70677600	-0.74919300	-14.79414600 L
N-N_R	13.58582200	-4.78311700	-13.79593100 L
C-C_R	10.80987600	2.19438100	-12.63880500 L
C-C_R	7.71574900	-0.13871100	-15.77392800 L
C-C_R	13.08729400	2.15371500	-11.86269800 L
C-C_R	7.83014200	1.13811500	-15.21886900 L
C-C_R	15.09462700	1.74506600	-10.52723400 L
C-C_R	11.80447500	2.71739600	-11.86151900 L
C-C_R	10.66134000	-1.84982300	-14.52432800 L
C-C_R	6.56802700	-0.46751200	-16.53056100 L
C-C_R	14.60446200	4.24727000	-9.29889400 L
C-C_R	14.14735600	3.99487300	-10.57493600 L
C-C_R	11.85292200	-3.27038100	-12.99442300 L
C-C_R	10.93549300	-2.26537100	-13.23243200 L
C-C_R	12.54097600	-3.84573800	-14.05309200 L
C-C_R	6.79087000	2.07706200	-15.43531800 L
C-C_R	13.54806600	-6.05536500	-14.42264800 L
C-C_R	14.70166800	0.75912900	-9.66631500 L
C-C_R	12.22632500	-3.48092800	-15.33623500 L
C-C_R	11.27792000	-2.49294900	-15.57305600 L
C-C_R	16.43794900	1.93036100	-10.78497200 L
C-C_R	5.68216400	1.73539400	-16.16130300 L
C-C_R	5.57296800	0.46365300	-16.71334000 L
C-C_R	6.93331900	3.38501700	-14.86407600 L
N-N_R	7.02063800	4.42946700	-14.40688900 L
C-C_R	13.77288300	5.06379000	-11.37006600 L
C-C_R	14.58387500	-4.43559000	-12.87033500 L
C-C_R	17.36276400	1.12418100	-10.15798800 L
C-C_R	6.45169100	-1.77949700	-17.11676700 L
C-C_R	15.63589200	-0.04951600	-9.04904800 L
N-N_R	6.32491300	-2.80295800	-17.59566700 L
C-C_R	14.32914200	6.58758600	-9.60586300 L
C-C_R	12.35805500	-6.74266400	-14.51908300 L
C-C_R	16.97439300	0.13871000	-9.30375800 L
C-C_R	14.71257900	5.53080000	-8.82736100 L

C-C_R	14.69453100	-6.63241200	-14.94932400 L
C-C_R	12.31538300	-7.99242300	-15.11231800 L
C-C_R	13.84874600	6.34609200	-10.85391000 L
C-C_R	16.16489400	-5.02311700	-11.16292200 L
C-C_R	15.20424300	-5.40997400	-12.08369900 L
C-C_R	14.95703900	-3.11855800	-12.69190500 L
C-C_R	14.63479000	-7.89792000	-15.52740800 L
C-C_R	13.44815600	-8.57022100	-15.60194100 L
C-C_R	15.90461500	-2.78365200	-11.74066200 L
C-C_R	16.51870100	-3.74324900	-10.97404900 L
N-N_R	9.44058200	-4.49096100	-6.26606300 L
N-N_R	9.20172100	-7.07471500	-7.32972400 L
N-N_R	14.64938400	-3.33661700	-2.84905300 L
C-C_R	10.38362200	-5.39917900	-6.03408500 L
C-C_R	13.81592700	-4.95196300	-4.44975100 L
C-C_R	11.52725200	-4.92209200	-5.22969700 L
C-C_R	12.81753400	-5.47546600	-5.23954200 L
C-C_R	10.22954900	-6.74677400	-6.56762400 L
N-N_R	14.10859500	-10.78069800	-5.56940900 L
C-C_R	11.33260300	-3.80252000	-4.41301500 L
C-C_R	8.23856500	-6.13555800	-7.54672800 L
C-C_R	13.61006800	-3.84386600	-3.63617600 L
C-C_R	8.35291500	-4.85946700	-6.99234700 L
C-C_R	15.61740000	-4.25251500	-2.30071200 L
C-C_R	12.32724800	-3.28018500	-3.63499700 L
C-C_R	11.18415600	-7.84667100	-6.29712800 L
C-C_R	7.09075400	-6.46441400	-8.30477100 L
C-C_R	15.12727800	-1.74957700	-1.07169400 L
C-C_R	14.67012900	-2.00270800	-2.34841400 L
C-C_R	12.37569500	-9.26796300	-4.76790100 L
C-C_R	11.45826700	-8.26295200	-5.00591000 L
C-C_R	13.06379200	-9.84258600	-5.82589200 L
C-C_R	7.31364300	-3.92052000	-7.20879600 L
C-C_R	14.07083900	-12.05294700	-6.19612600 L
C-C_R	15.22444200	-5.23845200	-1.43979400 L
C-C_R	12.74914000	-9.47777600	-7.10903500 L
C-C_R	11.80073600	-8.48979700	-7.34585700 L
C-C_R	16.96072200	-4.06722000	-2.55845000 L
C-C_R	6.20497900	-4.26145400	-7.93410300 L
C-C_R	6.09578400	-5.53319500	-8.48614000 L
C-C_R	7.45609200	-2.61256500	-6.63755500 L
N-N_R	7.54341100	-1.56811400	-6.18036800 L
C-C_R	14.29569900	-0.93305800	-3.14286600 L
C-C_R	15.10669000	-10.43243800	-4.64313500 L

C-C_R	17.88553700	-4.87340000	-1.93146700 L
C-C_R	6.97446400	-7.77707800	-8.89024500 L
C-C_R	16.15866500	-6.04709700	-0.82252600 L
N-N_R	6.84772900	-8.79980600	-9.36846700 L
C-C_R	14.85191600	0.59000500	-1.37934100 L
C-C_R	12.88082800	-12.74024500	-6.29256100 L
C-C_R	17.49712000	-5.85819100	-1.07796900 L
C-C_R	15.23535200	-0.46678100	-0.60083900 L
C-C_R	15.21730500	-12.62999300	-6.72280200 L
C-C_R	12.83815700	-13.99000400	-6.88579600 L
C-C_R	14.37156200	0.34924400	-2.62671000 L
C-C_R	16.68766700	-11.02069800	-2.93640100 L
C-C_R	15.72705800	-11.40682100	-3.85649900 L
C-C_R	15.47981300	-9.11614000	-4.46538400 L
C-C_R	15.15756300	-13.89550100	-7.30088600 L
C-C_R	13.97088200	-14.56712300	-7.37615100 L
C-C_R	16.42743100	-8.78049900	-3.51346200 L
C-C_R	17.04147000	-9.73941800	-2.74758200 L
N-N_R	9.96335100	-10.48712900	1.96040500 L
N-N_R	9.72449400	-13.07229600	0.89679700 L
N-N_R	15.17215800	-9.33419800	5.37746800 L
C-C_R	10.90634900	-11.39608100	2.19170400 L
C-C_R	14.33874300	-10.94881100	3.77744900 L
C-C_R	12.05006700	-10.91893900	2.99750300 L
C-C_R	13.34030700	-11.47304800	2.98698000 L
C-C_R	10.75236500	-12.74362200	1.65957600 L
N-N_R	14.63141100	-16.77754600	2.65779100 L
C-C_R	11.85537600	-9.80010200	3.81350700 L
C-C_R	8.76133800	-12.13314000	0.67979300 L
C-C_R	14.13288300	-9.84071400	4.59102400 L
C-C_R	8.87568400	-10.85563500	1.23412100 L
C-C_R	16.14021600	-10.24936300	5.92648800 L
C-C_R	12.85001700	-9.27635300	4.59147100 L
C-C_R	11.70692900	-13.84425200	1.92939400 L
C-C_R	7.61357000	-12.46126200	-0.07757100 L
C-C_R	15.65005100	-7.74715900	7.15482700 L
C-C_R	15.19294500	-7.99955600	5.87878600 L
C-C_R	12.89851100	-15.26481000	3.45929900 L
C-C_R	11.98104000	-14.26053400	3.22061100 L
C-C_R	13.58651800	-15.83948800	2.39989800 L
C-C_R	7.83645900	-9.91736700	1.01840400 L
C-C_R	14.59365500	-18.04979400	2.03107300 L
C-C_R	15.74725700	-11.23530000	6.78740600 L
C-C_R	13.27191400	-15.47535700	1.11748600 L

C-C_R	12.32350900	-14.48737800	0.88066500 L
C-C_R	17.48353800	-10.06406800	5.66875000 L
C-C_R	6.72775200	-10.25903500	0.29241900 L
C-C_R	6.61851000	-11.53009700	-0.26035100 L
C-C_R	7.97886100	-8.60873300	1.58891300 L
N-N_R	8.06622700	-7.56496200	2.04683200 L
C-C_R	14.81847200	-6.93063900	5.08365500 L
C-C_R	15.62946400	-16.43001900	3.58338700 L
C-C_R	18.40831000	-10.87098200	6.29505500 L
C-C_R	7.49728000	-13.77392600	-0.66304500 L
C-C_R	16.68143400	-12.04326600	7.40394100 L
N-N_R	7.37050200	-14.79738700	-1.14194500 L
C-C_R	15.37473100	-5.40684300	6.84785900 L
C-C_R	13.40364400	-18.73709300	1.93463900 L
C-C_R	18.01993500	-11.85503900	7.14923100 L
C-C_R	15.75816800	-6.46362900	7.62636100 L
C-C_R	15.74007800	-18.62757400	1.50372000 L
C-C_R	13.36097200	-19.98685200	1.34140300 L
C-C_R	14.89433500	-5.64833700	5.59981200 L
C-C_R	17.21048300	-17.01754600	5.29079900 L
C-C_R	16.24978500	-17.40372300	4.36929100 L
C-C_R	16.00262800	-15.11298700	3.76181600 L
C-C_R	15.68037900	-19.89234900	0.92631400 L
C-C_R	14.49369800	-20.56397000	0.85104900 L
C-C_R	16.95020400	-14.77808100	4.71305900 L
C-C_R	17.56424300	-15.73699900	5.47894000 L
N-N_R	-15.66430100	1.49143500	-12.94152800 L
N-N_R	-15.90320600	-1.09305200	-14.00586900 L
N-N_R	-10.45549900	2.64577900	-9.52451900 L
C-C_R	-14.72130400	0.58248300	-12.71022900 L
C-C_R	-11.28895700	1.03043200	-11.12521700 L
C-C_R	-13.57758600	1.05962500	-11.90443100 L
C-C_R	-12.28739200	0.50619600	-11.91568600 L
C-C_R	-14.87533500	-0.76437800	-13.24309000 L
N-N_R	-10.99628900	-4.79830200	-12.24487500 L
C-C_R	-13.77223400	2.17919600	-11.08774900 L
C-C_R	-16.86636100	-0.15389600	-14.22287200 L
C-C_R	-11.49481600	2.13852900	-10.31164200 L
C-C_R	-16.75196900	1.12292900	-13.66781300 L
C-C_R	-9.48748300	1.72988100	-8.97617800 L
C-C_R	-12.77763600	2.70221100	-10.31046300 L
C-C_R	-13.92077000	-1.86500800	-12.97327200 L
C-C_R	-18.01408300	-0.48269800	-14.97950500 L
C-C_R	-9.97764800	4.23208500	-7.74783800 L

C-C_R	-10.43475500	3.97968800	-9.02388000 L
C-C_R	-12.72918900	-3.28556700	-11.44336700 L
C-C_R	-13.64661700	-2.28055700	-11.68137600 L
C-C_R	-12.04113500	-3.86092400	-12.50203600 L
C-C_R	-17.79124000	2.06187600	-13.88426200 L
C-C_R	-11.03404500	-6.07055100	-12.87159200 L
C-C_R	-9.88044200	0.74394400	-8.11525900 L
C-C_R	-12.35578600	-3.49611300	-13.78517900 L
C-C_R	-13.30419000	-2.50813400	-14.02200100 L
C-C_R	-8.14416200	1.91517600	-9.23391600 L
C-C_R	-18.89994700	1.72020800	-14.61024700 L
C-C_R	-19.00914200	0.44846700	-15.16228400 L
C-C_R	-17.64879200	3.36983100	-13.31302000 L
N-N_R	-17.56147300	4.41428200	-12.85583400 L
C-C_R	-10.80922800	5.04860400	-9.81901100 L
C-C_R	-9.99823600	-4.45077600	-11.31927900 L
C-C_R	-7.21934700	1.10899600	-8.60693300 L
C-C_R	-18.13042000	-1.79468200	-15.56571100 L
C-C_R	-8.94621900	-0.06470200	-7.49799200 L
N-N_R	-18.25719700	-2.81814400	-16.04461100 L
C-C_R	-10.25296800	6.57240100	-8.05480700 L
C-C_R	-12.22405600	-6.75784900	-12.96802700 L
C-C_R	-7.60771800	0.12352500	-7.75270300 L
C-C_R	-9.86953200	5.51561400	-7.27630500 L
C-C_R	-9.88757900	-6.64759700	-13.39826800 L
C-C_R	-12.26672700	-8.00760800	-13.56126200 L
C-C_R	-10.73336400	6.33090700	-9.30285400 L
C-C_R	-8.41721700	-5.03830200	-9.61186600 L
C-C_R	-9.37786800	-5.42515900	-10.53264300 L
C-C_R	-9.62507100	-3.13374400	-11.14085000 L
C-C_R	-9.94732000	-7.91310500	-13.97635200 L
C-C_R	-11.13395500	-8.58540600	-14.05088500 L
C-C_R	-8.67749500	-2.79883700	-10.18960600 L
C-C_R	-8.06341000	-3.75843500	-9.42299400 L
N-N_R	-15.14152800	-4.50614600	-4.71500700 L
N-N_R	-15.38039000	-7.08990000	-5.77866900 L
N-N_R	-9.93272600	-3.35180200	-1.29799800 L
C-C_R	-14.19848800	-5.41436500	-4.48303000 L
C-C_R	-10.76618300	-4.96714900	-2.89869500 L
C-C_R	-13.05485900	-4.93727700	-3.67864200 L
C-C_R	-11.76457700	-5.49065200	-3.68848600 L
C-C_R	-14.35256100	-6.76196000	-5.01656800 L
N-N_R	-10.47351600	-10.79588300	-4.01835300 L
C-C_R	-13.24950800	-3.81770600	-2.86195900 L

C-C_R	-16.34354600	-6.15074400	-5.99567200 L
C-C_R	-10.97204300	-3.85905200	-2.08512100 L
C-C_R	-16.22919500	-4.87465200	-5.44129100 L
C-C_R	-8.96471000	-4.26770100	-0.74965600 L
C-C_R	-12.25486200	-3.29537000	-2.08394100 L
C-C_R	-13.39795500	-7.86185600	-4.74607200 L
C-C_R	-17.49135700	-6.47960000	-6.75371600 L
C-C_R	-9.45483300	-1.76476300	0.47936200 L
C-C_R	-9.91198100	-2.01789400	-0.79735800 L
C-C_R	-12.20641500	-9.28314800	-3.21684500 L
C-C_R	-13.12384400	-8.27813800	-3.45485500 L
C-C_R	-11.51831900	-9.85777100	-4.27483600 L
C-C_R	-17.26846700	-3.93570500	-5.65774000 L
C-C_R	-10.51127200	-12.06813200	-4.64507100 L
C-C_R	-9.35766900	-5.25363800	0.11126200 L
C-C_R	-11.83297000	-9.49296100	-5.55798000 L
C-C_R	-12.78137500	-8.50498200	-5.79480100 L
C-C_R	-7.62138800	-4.08240500	-1.00739500 L
C-C_R	-18.37713100	-4.27664000	-6.38304700 L
C-C_R	-18.48632700	-5.54838100	-6.93508400 L
C-C_R	-17.12601900	-2.62775000	-5.08649900 L
N-N_R	-17.03869900	-1.58329900	-4.62931200 L
C-C_R	-10.28641200	-0.94824300	-1.59181100 L
C-C_R	-9.47542000	-10.44762300	-3.09207900 L
C-C_R	-6.69657300	-4.88858600	-0.38041100 L
C-C_R	-17.60764600	-7.79226400	-7.33918900 L
C-C_R	-8.42344600	-6.06228300	0.72852900 L
N-N_R	-17.73438200	-8.81499100	-7.81741100 L
C-C_R	-9.73019500	0.57481900	0.17171400 L
C-C_R	-11.70128300	-12.75543100	-4.74150500 L
C-C_R	-7.08499100	-5.87337700	0.47308700 L
C-C_R	-9.34675900	-0.48196700	0.95021700 L
C-C_R	-9.36480600	-12.64517800	-5.17174600 L
C-C_R	-11.74395400	-14.00518900	-5.33474100 L
C-C_R	-10.21054900	0.33405900	-1.07565400 L
C-C_R	-7.89444300	-11.03588400	-1.38534500 L
C-C_R	-8.85505200	-11.42200700	-2.30544300 L
C-C_R	-9.10229800	-9.13132500	-2.91432800 L
C-C_R	-9.42454700	-13.91068600	-5.74983000 L
C-C_R	-10.61122800	-14.58230800	-5.82509500 L
C-C_R	-8.15468000	-8.79568500	-1.96240600 L
C-C_R	-7.54064100	-9.75460300	-1.19652600 L
N-N_R	-14.61875900	-10.50231500	3.51146100 L
N-N_R	-14.85761700	-13.08748100	2.44785300 L

N-N_R	-9.40995300	-9.34938400	6.92852400 L
C-C_R	-13.67576200	-11.41126700	3.74276000 L
C-C_R	-10.24336800	-10.96399700	5.32850500 L
C-C_R	-12.53204300	-10.93412500	4.54855800 L
C-C_R	-11.24180300	-11.48823300	4.53803600 L
C-C_R	-13.82974600	-12.75880700	3.21063200 L
N-N_R	-9.95070000	-16.79273100	4.20884700 L
C-C_R	-12.72673400	-9.81528700	5.36456200 L
C-C_R	-15.82077300	-12.14832500	2.23084900 L
C-C_R	-10.44922700	-9.85590000	6.14207900 L
C-C_R	-15.70642600	-10.87082000	2.78517700 L
C-C_R	-8.44189500	-10.26454800	7.47754400 L
C-C_R	-11.73209300	-9.29153900	6.14252700 L
C-C_R	-12.87518100	-13.85943800	3.48045000 L
C-C_R	-16.96854100	-12.47644700	1.47348400 L
C-C_R	-8.93205900	-7.76234400	8.70588300 L
C-C_R	-9.38916600	-8.01474100	7.42984200 L
C-C_R	-11.68360000	-15.27999600	5.01035500 L
C-C_R	-12.60107100	-14.27571900	4.77166700 L
C-C_R	-10.99559200	-15.85467300	3.95095300 L
C-C_R	-16.74565100	-9.93255300	2.56946000 L
C-C_R	-9.98845600	-18.06498000	3.58212900 L
C-C_R	-8.83485300	-11.25048500	8.33846200 L
C-C_R	-11.31019700	-15.49054200	2.66854200 L
C-C_R	-12.25860100	-14.50256300	2.43172100 L
C-C_R	-7.09857300	-10.07925300	7.21980500 L
C-C_R	-17.85435800	-10.27422100	1.84347400 L
C-C_R	-17.96360000	-11.54528200	1.29070500 L
C-C_R	-16.60325000	-8.62391800	3.13996900 L
N-N_R	-16.51588400	-7.58014700	3.59788800 L
C-C_R	-9.76363900	-6.94582500	6.63471100 L
C-C_R	-8.95264700	-16.44520500	5.13444300 L
C-C_R	-6.17380000	-10.88616700	7.84611100 L
C-C_R	-17.08483100	-13.78911100	0.88801100 L
C-C_R	-7.90067700	-12.05845100	8.95499700 L
N-N_R	-17.21160900	-14.81257300	0.40911100 L
C-C_R	-9.20737900	-5.42202800	8.39891400 L
C-C_R	-11.17846700	-18.75227800	3.48569500 L
C-C_R	-6.56217500	-11.87022400	8.70028700 L
C-C_R	-8.82394300	-6.47881500	9.17741600 L
C-C_R	-8.84203300	-18.64276000	3.05477600 L
C-C_R	-11.22113800	-20.00203700	2.89245900 L
C-C_R	-9.68777500	-5.66352200	7.15086700 L
C-C_R	-7.37162800	-17.03273100	6.84185500 L

C-C_R	-8.33232600	-17.41890900	5.92034700 L
C-C_R	-8.57948200	-15.12817300	5.31287200 L
C-C_R	-8.90173200	-19.90753400	2.47737000 L
C-C_R	-10.08841300	-20.57915600	2.40210500 L
C-C_R	-7.63190600	-14.79326600	6.26411500 L
C-C_R	-7.01786800	-15.75218400	7.02999600 L
N-N_R	-2.59270300	16.08226700	-1.19579800 L
N-N_R	-2.69920100	18.66648700	-0.11108000 L
N-N_R	2.14766100	14.93474800	-5.24130400 L
C-C_R	-1.68741900	16.99162700	-1.54439900 L
C-C_R	1.52007100	16.54851300	-3.54768400 L
C-C_R	-0.65346800	16.51583100	-2.48760100 L
C-C_R	0.62722600	17.07084800	-2.63856200 L
C-C_R	-1.77486500	18.33907300	-0.99562100 L
N-N_R	1.94388900	22.37763600	-2.47465000 L
C-C_R	-0.94680600	15.39669200	-3.27281200 L
C-C_R	-3.62623900	17.72548300	0.22592400 L
C-C_R	1.21494700	15.44010000	-4.32901700 L
C-C_R	-3.58090700	16.44949000	-0.33853300 L
C-C_R	3.03690900	15.85106100	-5.90751400 L
C-C_R	-0.05819300	14.87410600	-4.16960400 L
C-C_R	-0.86318400	19.44012200	-1.38387400 L
C-C_R	-4.66916000	18.05293200	1.12078000 L
C-C_R	2.40031500	13.34816000	-7.06475800 L
C-C_R	2.10700300	13.60014800	-5.73995200 L
C-C_R	0.12490000	20.86202700	-3.05130900 L
C-C_R	-0.75305900	19.85664100	-2.69933600 L
C-C_R	0.94085400	21.43831300	-2.08753900 L
C-C_R	-4.58266500	15.50922800	0.00528300 L
C-C_R	1.98373000	23.64994000	-1.84664800 L
C-C_R	2.53872900	16.83650100	-6.71078800 L
C-C_R	0.79043000	21.07321500	-0.77505000 L
C-C_R	-0.12051400	20.08476700	-0.42164500 L
C-C_R	4.40319800	15.66743900	-5.82074400 L
C-C_R	-5.59170000	15.84890900	0.86562700 L
C-C_R	-5.63320500	17.12055700	1.42717300 L
C-C_R	-4.51149200	14.20072600	-0.57870200 L
N-N_R	-4.48200100	13.15708100	-1.04257800 L
C-C_R	1.83671600	12.53009900	-4.90482000 L
C-C_R	2.81815900	22.03058700	-3.51764900 L
C-C_R	5.24096700	16.47476200	-6.55752500 L
C-C_R	-4.71350400	19.36481700	1.71712400 L
C-C_R	3.38696100	17.64624700	-7.44052300 L
N-N_R	-4.78034200	20.38815900	2.20824100 L

C-C_R	2.16773400	11.00758500	-6.72432700 L
C-C_R	0.81334600	24.33572700	-1.60269600 L
C-C_R	4.74705000	17.45895400	-7.35676600 L
C-C_R	2.44993100	12.06404900	-7.54550900 L
C-C_R	3.18559400	24.22843700	-1.46814500 L
C-C_R	0.84408400	25.58621100	-1.00802600 L
C-C_R	1.84768000	11.24785100	-5.42645500 L
C-C_R	4.17034900	22.62065900	-5.40945700 L
C-C_R	3.33253400	23.00567100	-4.37588300 L
C-C_R	3.16655900	20.71400000	-3.74160600 L
C-C_R	3.19743100	25.49391500	-0.88703800 L
C-C_R	2.02974700	26.16476200	-0.66395500 L
C-C_R	3.98742000	20.38086600	-4.80516800 L
C-C_R	4.50014000	21.34048000	-5.64214300 L
N-N_R	-2.06993000	10.08468600	7.03072400 L
N-N_R	-2.17638500	12.66963900	8.11612000 L
N-N_R	2.67043500	8.93716700	2.98521800 L
C-C_R	-1.16460300	10.99477900	6.68280100 L
C-C_R	2.04284400	10.55093200	4.67883800 L
C-C_R	-0.13065200	10.51898300	5.73959900 L
C-C_R	1.15004100	11.07400000	5.58863800 L
C-C_R	-1.25209200	12.34149200	7.23090100 L
N-N_R	2.46670500	16.38078800	5.75255000 L
C-C_R	-0.42403300	9.39911000	4.95370900 L
C-C_R	-3.10351200	11.72858200	8.45171400 L
C-C_R	1.73772000	9.44251900	3.89750500 L
C-C_R	-3.05813400	10.45190900	7.88798900 L
C-C_R	3.55972500	9.85421300	2.31968600 L
C-C_R	0.46462300	8.87725900	4.05759600 L
C-C_R	-0.34036800	13.44327500	6.84332600 L
C-C_R	-4.14634500	12.05608400	9.34798000 L
C-C_R	2.92313100	7.35131300	1.16244100 L
C-C_R	2.62977600	7.60256700	2.48657000 L
C-C_R	0.64771500	14.86517900	5.17589100 L
C-C_R	-0.23028500	13.85906000	5.52718600 L
C-C_R	1.46367000	15.44146500	6.13966100 L
C-C_R	-4.05985000	9.51238100	8.23248300 L
C-C_R	2.50645700	17.65303800	6.37914200 L
C-C_R	3.06150200	10.83892000	1.51573300 L
C-C_R	1.31315700	15.07631400	7.45073900 L
C-C_R	0.40230200	14.08792000	7.80555500 L
C-C_R	4.92601400	9.67059100	2.40645600 L
C-C_R	-5.06892700	9.85132700	9.09214800 L
C-C_R	-5.11043200	11.12297500	9.65369400 L

C-C_R	-3.98867600	8.20387800	7.64849800 L
N-N_R	-3.95927400	7.16017900	7.18321100 L
C-C_R	2.35948900	6.53251800	3.32170200 L
C-C_R	3.34088600	16.03368500	4.70814100 L
C-C_R	5.76374000	10.47718100	1.66899700 L
C-C_R	-4.19068900	13.36796900	9.94432400 L
C-C_R	3.90973400	11.64866600	0.78599900 L
N-N_R	-4.25757300	14.39199100	10.43470800 L
C-C_R	2.69046000	5.01068300	1.50146300 L
C-C_R	1.33616200	18.33887900	6.62450400 L
C-C_R	5.26986600	11.46210700	0.87043400 L
C-C_R	2.97274700	6.06720100	0.68169100 L
C-C_R	3.70836700	18.23085600	6.75837700 L
C-C_R	1.36685700	19.58863000	7.21849500 L
C-C_R	2.37049500	5.25100300	2.80074500 L
C-C_R	4.69307500	16.62375700	2.81633300 L
C-C_R	3.85535000	17.00882300	3.85131700 L
C-C_R	3.68932800	14.71783200	4.48486100 L
C-C_R	3.72015700	19.49701400	7.33875100 L
C-C_R	2.55252000	20.16718100	7.56256700 L
C-C_R	4.51023500	14.38401800	3.42203200 L
C-C_R	5.02295500	15.34363200	2.58505700 L
N-N_R	-1.54715600	4.08710400	15.25724500 L
N-N_R	-1.65361200	6.67205800	16.34264200 L
N-N_R	3.19325000	2.94031900	11.21241700 L
C-C_R	-0.64183000	4.99719800	14.90932300 L
C-C_R	2.56557100	4.55403000	12.90462800 L
C-C_R	0.39212100	4.52140200	13.96612000 L
C-C_R	1.67281400	5.07641900	13.81516000 L
C-C_R	-0.72936600	6.34459000	15.45669000 L
N-N_R	2.98947800	10.38320700	13.97907200 L
C-C_R	0.09878200	3.40226200	13.18090900 L
C-C_R	-2.58069700	5.73173400	16.67891400 L
C-C_R	2.26044700	3.44561700	12.12329400 L
C-C_R	-2.53531800	4.45506100	16.11518900 L
C-C_R	4.08249800	3.85663100	10.54620800 L
C-C_R	0.98739600	2.87967700	12.28411700 L
C-C_R	0.18235900	7.44637300	15.06911500 L
C-C_R	-3.62357200	6.05850300	17.57450200 L
C-C_R	3.44590400	1.35373100	9.38896300 L
C-C_R	3.15259200	1.60571900	10.71377000 L
C-C_R	1.17044200	8.86827800	13.40168000 L
C-C_R	0.29248400	7.86289200	13.75365400 L
C-C_R	1.98644300	9.44388400	14.36618300 L

C-C_R	-3.53707600	3.51479900	16.45900500 L
C-C_R	3.02923000	11.65545700	14.60566300 L
C-C_R	3.58422900	4.84201800	9.74152300 L
C-C_R	1.83597300	9.07946600	15.67793900 L
C-C_R	0.92507500	8.09033800	16.03207700 L
C-C_R	5.44878700	3.67301000	10.63297800 L
C-C_R	-4.54615800	3.85515900	17.31861600 L
C-C_R	-4.58761600	5.12612800	17.88089400 L
C-C_R	-3.46590300	2.20629700	15.87502000 L
N-N_R	-3.43645900	1.16333100	15.41041100 L
C-C_R	2.88230400	0.53567000	11.54890200 L
C-C_R	3.86370100	10.03683700	12.93534100 L
C-C_R	6.28650900	4.48101300	9.89546400 L
C-C_R	-3.66796200	7.37106700	18.17011400 L
C-C_R	4.43250700	5.65108500	9.01252000 L
N-N_R	-3.73479900	8.39440900	18.66123000 L
C-C_R	3.21323400	-0.98689800	9.72798500 L
C-C_R	1.85893500	12.34129800	14.85102600 L
C-C_R	5.79263900	5.46452500	9.09695500 L
C-C_R	3.49547400	0.07029900	8.90748000 L
C-C_R	4.23113600	12.23468700	14.98484500 L
C-C_R	1.88963000	13.59104900	15.44501700 L
C-C_R	2.89326900	-0.74657800	11.02726700 L
C-C_R	5.21584900	10.62617600	11.04285500 L
C-C_R	4.37812300	11.01124200	12.07783800 L
C-C_R	4.21210100	8.72025100	12.71138300 L
C-C_R	4.24293000	13.49943200	15.56527300 L
C-C_R	3.07529400	14.16960000	15.78908800 L
C-C_R	5.03300800	8.38643700	11.64855400 L
C-C_R	5.54572900	9.34605100	10.81157800 L
N-N_R	-2.66620100	-0.24590700	-2.52050900 L
N-N_R	-2.77265700	2.33904600	-1.43511200 L
N-N_R	2.07416300	-1.39342600	-6.56601500 L
C-C_R	-1.76087500	0.66418700	-2.86843100 L
C-C_R	1.44657200	0.22033900	-4.87239400 L
C-C_R	-0.72692400	0.18839000	-3.81163400 L
C-C_R	0.55376900	0.74340700	-3.96259400 L
C-C_R	-1.84836400	2.01089900	-2.32033200 L
N-N_R	1.87043300	6.05019600	-3.79868200 L
C-C_R	-1.02030500	-0.93148300	-4.59752300 L
C-C_R	-3.69978400	1.39798900	-1.09951800 L
C-C_R	1.14144800	-0.88807400	-5.65372800 L
C-C_R	-3.65440600	0.12131600	-1.66324300 L
C-C_R	2.96345300	-0.47638000	-7.23154600 L

C-C_R	-0.13164900	-1.45333400	-5.49363700 L
C-C_R	-0.93664000	3.11268200	-2.70790700 L
C-C_R	-4.74261700	1.72549100	-0.20325200 L
C-C_R	2.32685900	-2.97928000	-8.38879100 L
C-C_R	2.03350400	-2.72802600	-7.06466300 L
C-C_R	0.05144400	4.53458700	-4.37534200 L
C-C_R	-0.82655700	3.52846700	-4.02404600 L
C-C_R	0.86739800	5.11087200	-3.41157100 L
C-C_R	-4.65612100	-0.81821200	-1.31874900 L
C-C_R	1.91018500	7.32244600	-3.17209100 L
C-C_R	2.46523100	0.50832700	-8.03549900 L
C-C_R	0.71688500	4.74572100	-2.10049300 L
C-C_R	-0.19397000	3.75732700	-1.74567700 L
C-C_R	4.32974200	-0.66000100	-7.14477600 L
C-C_R	-5.66519900	-0.47926500	-0.45908400 L
C-C_R	-5.70670400	0.79238300	0.10246200 L
C-C_R	-4.58494800	-2.12671500	-1.90273400 L
N-N_R	-4.55554600	-3.17041400	-2.36802100 L
C-C_R	1.76321700	-3.79807500	-6.22953000 L
C-C_R	2.74461400	5.70309200	-4.84309200 L
C-C_R	5.16746800	0.14658800	-7.88223600 L
C-C_R	-4.78696100	3.03737600	0.39309200 L
C-C_R	3.31346200	1.31807300	-8.76523400 L
N-N_R	-4.85384400	4.06139800	0.88347600 L
C-C_R	2.09418900	-5.31991000	-8.04976900 L
C-C_R	0.73989000	8.00828600	-2.92672800 L
C-C_R	4.67359400	1.13151400	-8.68079900 L
C-C_R	2.37647500	-4.26339200	-8.86954100 L
C-C_R	3.11209500	7.90026300	-2.79285500 L
C-C_R	0.77058500	9.25803700	-2.33273700 L
C-C_R	1.77422300	-5.07959000	-6.75048700 L
C-C_R	4.09680400	6.29316400	-6.73489900 L
C-C_R	3.25907800	6.67823100	-5.69991600 L
C-C_R	3.09305600	4.38724000	-5.06637100 L
C-C_R	3.12388500	9.16642100	-2.21248100 L
C-C_R	1.95624900	9.83658800	-1.98866600 L
C-C_R	3.91396300	4.05342500	-6.12920000 L
C-C_R	4.42668400	5.01304000	-6.96617600 L
N-N_R	-2.14342800	-6.24348800	5.70601300 L
N-N_R	-2.24988400	-3.65853500	6.79140900 L
N-N_R	2.59697800	-7.39027300	1.66118500 L
C-C_R	-1.23810200	-5.33339500	5.35809100 L
C-C_R	1.96929900	-5.77656300	3.35339500 L
C-C_R	-0.20415100	-5.80919100	4.41488800 L

C-C_R	1.07654300	-5.25417400	4.26392800 L
C-C_R	-1.32563700	-3.98600300	5.90545800 L
N-N_R	2.39320600	0.05261400	4.42783900 L
C-C_R	-0.49748900	-6.92833000	3.62967700 L
C-C_R	-3.17696900	-4.59885900	7.12768200 L
C-C_R	1.66417500	-6.88497600	2.57206200 L
C-C_R	-3.13159000	-5.87553200	6.56395700 L
C-C_R	3.48622600	-6.47396100	0.99497500 L
C-C_R	0.39112400	-7.45091500	2.73288500 L
C-C_R	-0.41391300	-2.88422000	5.51788300 L
C-C_R	-4.21984300	-4.27209000	8.02326900 L
C-C_R	2.84963200	-8.97686100	-0.16226900 L
C-C_R	2.55632000	-8.72487400	1.16253700 L
C-C_R	0.57417000	-1.46231500	3.85044800 L
C-C_R	-0.30378800	-2.46770100	4.20242200 L
C-C_R	1.39017100	-0.88670900	4.81495100 L
C-C_R	-4.13334800	-6.81579300	6.90777300 L
C-C_R	2.43295800	1.32486400	5.05443100 L
C-C_R	2.98795700	-5.48857500	0.19029100 L
C-C_R	1.23970100	-1.25112700	6.12670700 L
C-C_R	0.32880300	-2.24025500	6.48084400 L
C-C_R	4.85251500	-6.65758300	1.08174600 L
C-C_R	-5.14243000	-6.47543400	7.76738400 L
C-C_R	-5.18388800	-5.20446500	8.32966200 L
C-C_R	-4.06217500	-8.12429600	6.32378700 L
N-N_R	-4.03273100	-9.16726100	5.85917900 L
C-C_R	2.28603300	-9.79492200	1.99767000 L
C-C_R	3.26742900	-0.29375600	3.38410800 L
C-C_R	5.69023700	-5.84958000	0.34423200 L
C-C_R	-4.26423400	-2.95952500	8.61888100 L
C-C_R	3.83623600	-4.67950800	-0.53871200 L
N-N_R	-4.33107100	-1.93618400	9.10999800 L
C-C_R	2.61696200	-11.31749100	0.17675200 L
C-C_R	1.26266300	2.01070500	5.29979400 L
C-C_R	5.19636700	-4.86606800	-0.45427700 L
C-C_R	2.89920200	-10.26029400	-0.64375200 L
C-C_R	3.63486400	1.90409500	5.43361200 L
C-C_R	1.29335800	3.26045600	5.89378500 L
C-C_R	2.29699700	-11.07717100	1.47603500 L
C-C_R	4.61957700	0.29558300	1.49162200 L
C-C_R	3.78185100	0.68064900	2.52660600 L
C-C_R	3.61583000	-1.61034200	3.16015100 L
C-C_R	3.64665900	3.16884000	6.01404100 L
C-C_R	2.47902200	3.83900700	6.23785600 L

C-C_R	4.43673700	-1.94415600	2.09732200 L
C-C_R	4.94945700	-0.98454200	1.26034600 L
N-N_R	14.30496200	10.92759300	-7.05641600 L
N-N_R	14.54377700	13.51202600	-5.99348700 L
N-N_R	9.09611300	9.77392900	-10.47415800 L
C-C_R	13.36192200	11.83581200	-7.28839400 L
C-C_R	9.92961700	11.38859600	-8.87272800 L
C-C_R	12.21820400	11.35867000	-8.09419200 L
C-C_R	10.92801000	11.91209900	-8.08293700 L
C-C_R	13.51599500	13.18340700	-6.75485500 L
N-N_R	9.63686000	17.21727600	-7.75448000 L
C-C_R	12.41289500	10.23983200	-8.91019600 L
C-C_R	15.50697900	12.57219100	-5.77575100 L
C-C_R	10.13547600	10.28049900	-9.68630300 L
C-C_R	15.39262900	11.29609900	-6.33013200 L
C-C_R	8.12805500	10.68909300	-11.02317700 L
C-C_R	11.41825400	9.71608400	-9.68816000 L
C-C_R	12.56138800	14.28330300	-7.02535100 L
C-C_R	16.65470100	12.90099200	-5.01911800 L
C-C_R	8.61822000	8.18688900	-12.25151700 L
C-C_R	9.07541500	8.43934000	-10.97406500 L
C-C_R	11.36980700	15.70386100	-8.55525600 L
C-C_R	12.28727800	14.69958500	-8.31656900 L
C-C_R	10.68175300	16.27921800	-7.49658700 L
C-C_R	16.43181200	10.35709800	-6.11509300 L
C-C_R	9.67470500	18.48957900	-7.12635300 L
C-C_R	8.52110200	11.67508400	-11.88268500 L
C-C_R	10.99640400	15.91440800	-6.21344400 L
C-C_R	11.94476200	14.92710800	-5.97735500 L
C-C_R	6.78473300	10.50379800	-10.76543900 L
C-C_R	17.54056500	10.69808600	-5.38837600 L
C-C_R	17.64976000	11.96982700	-4.83633900 L
C-C_R	16.28941000	9.04846300	-6.68560300 L
N-N_R	16.20213300	8.00474600	-7.14211100 L
C-C_R	9.44984600	7.36969000	-10.17961300 L
C-C_R	8.63885400	16.86907000	-8.67934400 L
C-C_R	5.86000700	11.31003300	-11.39101200 L
C-C_R	16.77103800	14.21297700	-4.43291200 L
C-C_R	7.58687900	12.48373000	-12.49995300 L
N-N_R	16.89781500	15.23643800	-3.95401200 L
C-C_R	8.89362800	5.84662700	-11.94313800 L
C-C_R	10.86462700	19.17682300	-7.03132800 L
C-C_R	6.24833600	12.29476900	-12.24592100 L
C-C_R	8.51015000	6.90268000	-12.72231800 L

C-C_R	8.52824000	19.06662500	-6.59967700 L
C-C_R	10.90734100	20.42731600	-6.43741500 L
C-C_R	9.37398200	6.08738800	-10.69576900 L
C-C_R	7.05787700	17.45733000	-10.38607800 L
C-C_R	8.01848600	17.84345400	-9.46598000 L
C-C_R	8.26568900	15.55203800	-8.85777400 L
C-C_R	8.58798100	20.33213300	-6.02159300 L
C-C_R	9.77461500	21.00443400	-5.94706000 L
C-C_R	7.31806700	15.21781100	-9.80974900 L
C-C_R	6.70402800	16.17672900	-10.57563000 L
N-N_R	14.82773500	4.93001200	1.17010500 L
N-N_R	15.06659300	7.51517900	2.23371300 L
N-N_R	9.61888600	3.77634700	-2.24763600 L
C-C_R	13.88473800	5.83896400	0.93880600 L
C-C_R	10.45239000	5.39101400	-0.64620600 L
C-C_R	12.74101900	5.36182200	0.13300800 L
C-C_R	11.45082600	5.91525100	0.14426300 L
C-C_R	14.03876800	7.18582500	1.47166600 L
N-N_R	10.15967600	11.22042800	0.47272000 L
C-C_R	12.93566800	4.24225100	-0.68367400 L
C-C_R	16.02970600	6.57528900	2.45003900 L
C-C_R	10.65825000	4.28291700	-1.45978100 L
C-C_R	15.91540200	5.29851800	1.89639000 L
C-C_R	8.65087000	4.69224600	-2.79597700 L
C-C_R	11.94106900	3.71923600	-1.46096000 L
C-C_R	13.08420400	8.28645500	1.20184900 L
C-C_R	17.17751700	6.90414500	3.20808200 L
C-C_R	9.14103500	2.19004200	-4.02431700 L
C-C_R	9.59818800	2.44175900	-2.74754300 L
C-C_R	11.89262200	9.70701400	-0.32805600 L
C-C_R	12.81005100	8.70200300	-0.09004700 L
C-C_R	11.20456800	10.28237000	0.73061300 L
C-C_R	16.95462700	4.36025000	2.11210700 L
C-C_R	10.19743200	12.49267700	1.09943700 L
C-C_R	9.04387600	5.67750300	-3.65616400 L
C-C_R	11.51913000	9.91750600	2.01234600 L
C-C_R	12.46757700	8.93026100	2.24984500 L
C-C_R	7.30754900	4.50695000	-2.53823900 L
C-C_R	18.06333800	4.70050500	2.83814600 L
C-C_R	18.17253400	5.97224600	3.39018300 L
C-C_R	16.81222600	3.05161600	1.54159700 L
N-N_R	16.72486000	2.00784400	1.08367800 L
C-C_R	9.97261900	1.37210900	-1.95309100 L
C-C_R	9.16158000	10.87216800	-0.45355500 L

C-C_R	6.38278000	5.31245100	-3.16449100 L
C-C_R	17.29385300	8.21612900	3.79428800 L
C-C_R	8.10965200	6.48614800	-4.27343100 L
N-N_R	17.42058400	9.24027000	4.27245600 L
C-C_R	9.41635500	-0.15027400	-3.71734800 L
C-C_R	11.38744300	13.17997600	1.19587200 L
C-C_R	6.77115100	6.29792200	-4.01872100 L
C-C_R	9.03296500	0.90583200	-4.49511800 L
C-C_R	9.05101300	13.06904400	1.62684500 L
C-C_R	11.43011400	14.42973400	1.78910700 L
C-C_R	9.89679800	0.09054000	-2.46856900 L
C-C_R	7.58060400	11.46042900	-2.16028900 L
C-C_R	8.54130100	11.84660600	-1.23878000 L
C-C_R	8.78845800	9.55587000	-0.63130600 L
C-C_R	9.11070700	14.33523200	2.20419700 L
C-C_R	10.29738800	15.00685300	2.27946200 L
C-C_R	7.84088200	9.22096300	-1.58254900 L
C-C_R	7.22684300	10.17988200	-2.34843000 L
N-N_R	15.35050800	-1.06757000	9.39662700 L
N-N_R	15.58936600	1.51759700	10.46023500 L
N-N_R	10.14170200	-2.22050100	5.97956400 L
C-C_R	14.40751100	-0.15861800	9.16532800 L
C-C_R	10.97511700	-0.60588700	7.57958300 L
C-C_R	13.26379200	-0.63575900	8.35953000 L
C-C_R	11.97359900	-0.08233000	8.37078400 L
C-C_R	14.56149500	1.18892300	9.69745600 L
N-N_R	10.68244900	5.22284700	8.69924100 L
C-C_R	13.45848400	-1.75459700	7.54352600 L
C-C_R	16.55252200	0.57844100	10.67723900 L
C-C_R	11.18097600	-1.71398400	6.76600900 L
C-C_R	16.43821800	-0.69833000	10.12359000 L
C-C_R	9.17364400	-1.30533600	5.43054400 L
C-C_R	12.46384200	-2.27834500	6.76556100 L
C-C_R	13.60693100	2.28955400	9.42763800 L
C-C_R	17.70029000	0.90656300	11.43460400 L
C-C_R	9.66380900	-3.80754000	4.20220500 L
C-C_R	10.12100400	-3.55508900	5.47965700 L
C-C_R	12.41534900	3.71011200	7.89773300 L
C-C_R	13.33282000	2.70583500	8.13642100 L
C-C_R	11.72734100	4.28478900	8.95713500 L
C-C_R	17.47740100	-1.63733100	10.33862800 L
C-C_R	10.72020500	6.49509600	9.32595900 L
C-C_R	9.56660200	-0.31939900	4.56962600 L
C-C_R	12.04194600	3.92065800	10.23954600 L

C-C_R	12.99035100	2.93267900	10.47636700 L
C-C_R	7.83032200	-1.49063100	5.68828300 L
C-C_R	18.58610700	-1.29566300	11.06461400 L
C-C_R	18.69534900	-0.02460200	11.61738300 L
C-C_R	17.33499900	-2.94596600	9.76811900 L
N-N_R	17.24767500	-3.98900300	9.31087800 L
C-C_R	10.49543400	-4.62473900	6.27410900 L
C-C_R	9.68439600	4.87532100	7.77364500 L
C-C_R	6.90554900	-0.68371700	5.06197700 L
C-C_R	17.81658000	2.21922700	12.02007700 L
C-C_R	8.63242600	0.48856700	3.95309100 L
N-N_R	17.94335800	3.24268900	12.49897700 L
C-C_R	9.93912800	-6.14785600	4.50917400 L
C-C_R	11.91021600	7.18239400	9.42239300 L
C-C_R	7.29392500	0.30034000	4.20780100 L
C-C_R	9.55569200	-5.09106900	3.73067200 L
C-C_R	9.57378200	7.07287600	9.85331200 L
C-C_R	11.95288700	8.43215300	10.01562900 L
C-C_R	10.41957100	-5.90704100	5.75795300 L
C-C_R	8.10337700	5.46284700	6.06623300 L
C-C_R	9.06407500	5.84902400	6.98774100 L
C-C_R	9.31123100	3.55828900	7.59521600 L
C-C_R	9.63348100	8.33765000	10.43071800 L
C-C_R	10.82016200	9.00927200	10.50598300 L
C-C_R	8.36365600	3.22338200	6.64397300 L
C-C_R	7.74961700	4.18230000	5.87809200 L
N-N_R	-10.27714900	10.91240800	-5.50536100 L
N-N_R	-10.03833400	13.49684100	-4.44243100 L
N-N_R	-15.48599700	9.75874300	-8.92310200 L
C-C_R	-11.22018800	11.82062600	-5.73733800 L
C-C_R	-14.65249400	11.37341000	-7.32167200 L
C-C_R	-12.36390700	11.34348400	-6.54313600 L
C-C_R	-13.65410000	11.89691300	-6.53188100 L
C-C_R	-11.06611600	13.16822100	-5.20379900 L
N-N_R	-14.94525000	17.20209100	-6.20342500 L
C-C_R	-12.16921600	10.22464700	-7.35914000 L
C-C_R	-9.07513100	12.55700500	-4.22469500 L
C-C_R	-14.44663400	10.26531300	-8.13524700 L
C-C_R	-9.18948200	11.28091300	-4.77907600 L
C-C_R	-16.45405600	10.67390800	-9.47212100 L
C-C_R	-13.16385700	9.70089800	-8.13710500 L
C-C_R	-12.02072200	14.26811800	-5.47429600 L
C-C_R	-7.92740900	12.88580700	-3.46806200 L
C-C_R	-15.96389100	8.17170400	-10.70046100 L

C-C_R	-15.50669600	8.42415500	-9.42300900 L
C-C_R	-13.21230400	15.68867600	-7.00420000 L
C-C_R	-12.29483300	14.68439900	-6.76551300 L
C-C_R	-13.90035800	16.26403300	-5.94553100 L
C-C_R	-8.15029900	10.34191200	-4.56403800 L
C-C_R	-14.90740500	18.47439400	-5.57529700 L
C-C_R	-16.06100800	11.65989900	-10.33163000 L
C-C_R	-13.58570700	15.89922200	-4.66238800 L
C-C_R	-12.63734900	14.91192300	-4.42629900 L
C-C_R	-17.79737800	10.48861300	-9.21438300 L
C-C_R	-7.04154600	10.68290100	-3.83732000 L
C-C_R	-6.93235000	11.95464200	-3.28528300 L
C-C_R	-8.29270100	9.03327800	-5.13454700 L
N-N_R	-8.37997700	7.98956100	-5.59105600 L
C-C_R	-15.13226500	7.35450500	-8.62855700 L
C-C_R	-15.94325700	16.85388500	-7.12828900 L
C-C_R	-18.72210400	11.29484700	-9.83995600 L
C-C_R	-7.81107300	14.19779100	-2.88185600 L
C-C_R	-16.99523100	12.46854400	-10.94889700 L
N-N_R	-7.68429500	15.22125300	-2.40295600 L
C-C_R	-15.68848200	5.83144200	-10.39208200 L
C-C_R	-13.71748300	19.16163800	-5.48027300 L
C-C_R	-18.33377500	12.27958400	-10.69486500 L
C-C_R	-16.07196100	6.88749500	-11.17126200 L
C-C_R	-16.05387100	19.05144000	-5.04862100 L
C-C_R	-13.67477000	20.41213000	-4.88635900 L
C-C_R	-15.20812800	6.07220200	-9.14471300 L
C-C_R	-17.52423300	17.44214500	-8.83502300 L
C-C_R	-16.56362500	17.82826800	-7.91492400 L
C-C_R	-16.31642100	15.53685300	-7.30671800 L
C-C_R	-15.99413000	20.31694800	-4.47053700 L
C-C_R	-14.80749500	20.98924900	-4.39600400 L
C-C_R	-17.26404400	15.20262600	-8.25869300 L
C-C_R	-17.87808300	16.16154400	-9.02457400 L
N-N_R	-9.75437500	4.91482600	2.72116100 L
N-N_R	-9.51551800	7.49999300	3.78476900 L
N-N_R	-14.96322400	3.76116200	-0.69658000 L
C-C_R	-10.69737300	5.82377800	2.48986200 L
C-C_R	-14.12972000	5.37582900	0.90485000 L
C-C_R	-11.84109100	5.34663700	1.68406400 L
C-C_R	-13.13128500	5.90006600	1.69531900 L
C-C_R	-10.54334200	7.17064000	3.02272200 L
N-N_R	-14.42243500	11.20524300	2.02377500 L
C-C_R	-11.64644300	4.22706500	0.86738100 L

C-C_R	-8.55240400	6.56010300	4.00109500 L
C-C_R	-13.92386100	4.26773200	0.09127500 L
C-C_R	-8.66670800	5.28333200	3.44744500 L
C-C_R	-15.93124000	4.67706000	-1.24492100 L
C-C_R	-12.64104100	3.70405000	0.09009500 L
C-C_R	-11.49790600	8.27127000	2.75290400 L
C-C_R	-7.40459400	6.88895900	4.75913800 L
C-C_R	-15.44107500	2.17485600	-2.47326100 L
C-C_R	-14.98392200	2.42657400	-1.19648800 L
C-C_R	-12.68948800	9.69182800	1.22300000 L
C-C_R	-11.77206000	8.68681800	1.46100900 L
C-C_R	-13.37754200	10.26718500	2.28166900 L
C-C_R	-7.62748300	4.34506500	3.66316200 L
C-C_R	-14.38467900	12.47749200	2.65049300 L
C-C_R	-15.53823500	5.66231800	-2.10510800 L
C-C_R	-13.06298000	9.90232100	3.56340200 L
C-C_R	-12.11453300	8.91507500	3.80090100 L
C-C_R	-17.27456200	4.49176500	-0.98718300 L
C-C_R	-6.51877200	4.68532000	4.38920200 L
C-C_R	-6.40957700	5.95706100	4.94123900 L
C-C_R	-7.76988500	3.03643000	3.09265300 L
N-N_R	-7.85725100	1.99265900	2.63473400 L
C-C_R	-14.60949200	1.35692300	-0.40203500 L
C-C_R	-15.42053000	10.85698300	1.09750100 L
C-C_R	-18.19933000	5.29726600	-1.61343500 L
C-C_R	-7.28825700	8.20094400	5.34534300 L
C-C_R	-16.47245800	6.47096300	-2.72237500 L
N-N_R	-7.16152600	9.22508400	5.82351100 L
C-C_R	-15.16575500	-0.16546000	-2.16629200 L
C-C_R	-13.19466800	13.16479000	2.74692700 L
C-C_R	-17.81095900	6.28273600	-2.46766500 L
C-C_R	-15.54914500	0.89064700	-2.94406200 L
C-C_R	-15.53109800	13.05385800	3.17790000 L
C-C_R	-13.15199600	14.41454900	3.34016300 L
C-C_R	-14.68531300	0.07535500	-0.91751300 L
C-C_R	-17.00150700	11.44524300	-0.60923300 L
C-C_R	-16.04080900	11.83142000	0.31227600 L
C-C_R	-15.79365200	9.54068500	0.91975000 L
C-C_R	-15.47140300	14.32004600	3.75525200 L
C-C_R	-14.28472200	14.99166800	3.83051700 L
C-C_R	-16.74122800	9.20577800	-0.03149300 L
C-C_R	-17.35526700	10.16469600	-0.79737400 L
N-N_R	-9.23160200	-1.08275500	10.94768300 L
N-N_R	-8.99274500	1.50241200	12.01129100 L

N-N_R	-14.44040800	-2.23568600	7.53062000 L
C-C_R	-10.17460000	-0.17380300	10.71638400 L
C-C_R	-13.60699400	-0.62107300	9.13063900 L
C-C_R	-11.31831800	-0.65094500	9.91058600 L
C-C_R	-12.60851100	-0.09751600	9.92184000 L
C-C_R	-10.02061600	1.17373800	11.24851200 L
N-N_R	-13.89966100	5.20766200	10.25029700 L
C-C_R	-11.12362700	-1.76978200	9.09458100 L
C-C_R	-8.02958900	0.56325600	12.22829500 L
C-C_R	-13.40113400	-1.72917000	8.31706400 L
C-C_R	-8.14389300	-0.71351600	11.67464500 L
C-C_R	-15.40846700	-1.32052100	6.98160000 L
C-C_R	-12.11826800	-2.29353100	8.31661700 L
C-C_R	-10.97518000	2.27436800	10.97869400 L
C-C_R	-6.88182000	0.89137800	12.98565900 L
C-C_R	-14.91830200	-3.82272500	5.75326100 L
C-C_R	-14.46110700	-3.57027400	7.03071200 L
C-C_R	-12.16676100	3.69492600	9.44878900 L
C-C_R	-11.24929100	2.69065000	9.68747700 L
C-C_R	-12.85476900	4.26960400	10.50819000 L
C-C_R	-7.10471000	-1.65251700	11.88968400 L
C-C_R	-13.86190500	6.47991000	10.87701500 L
C-C_R	-15.01550800	-0.33458400	6.12068200 L
C-C_R	-12.54016500	3.90547300	11.79060200 L
C-C_R	-11.59176000	2.91749400	12.02742300 L
C-C_R	-16.75178900	-1.50581600	7.23933900 L
C-C_R	-5.99600300	-1.31084900	12.61566900 L
C-C_R	-5.88676100	-0.03978700	13.16843900 L
C-C_R	-7.24711200	-2.96115100	11.31917500 L
N-N_R	-7.33443500	-4.00418900	10.86193400 L
C-C_R	-14.08667600	-4.63992400	7.82516500 L
C-C_R	-14.89771500	4.86013500	9.32470100 L
C-C_R	-17.67656100	-0.69890200	6.61303300 L
C-C_R	-6.76553100	2.20404200	13.57113300 L
C-C_R	-15.94968500	0.47338200	5.50414700 L
N-N_R	-6.63875300	3.22750300	14.05003300 L
C-C_R	-14.64298200	-6.16304100	6.06023000 L
C-C_R	-12.67189400	7.16720900	10.97344900 L
C-C_R	-17.28818600	0.28515500	5.75885700 L
C-C_R	-15.02641800	-5.10625500	5.28172700 L
C-C_R	-15.00832900	7.05769000	11.40436800 L
C-C_R	-12.62922300	8.41696800	11.56668500 L
C-C_R	-14.16253900	-5.92222700	7.30900900 L
C-C_R	-16.47873300	5.44766200	7.61728900 L

C-C_R	-15.51803600	5.83383900	8.53879700 L
C-C_R	-15.27087900	3.54310300	9.14627200 L
C-C_R	-14.94863000	8.32246500	11.98177400 L
C-C_R	-13.76194900	8.99408600	12.05703900 L
C-C_R	-16.21845500	3.20819700	8.19502900 L
C-C_R	-16.83249400	4.16711500	7.42914800 L
N-N_R	14.23146300	-5.40058100	-8.38112700 L
N-N_R	14.47032100	-2.81541400	-7.31751900 L
N-N_R	9.02261500	-6.55424600	-11.79886800 L
C-C_R	13.28846600	-4.49162900	-8.61242600 L
C-C_R	9.85611800	-4.93957800	-10.19743800 L
C-C_R	12.14474700	-4.96877100	-9.41822400 L
C-C_R	10.85455400	-4.41534200	-9.40697000 L
C-C_R	13.44249600	-3.14476800	-8.07956600 L
N-N_R	9.56340400	0.88983600	-9.07851300 L
C-C_R	12.33939600	-6.08834200	-10.23490700 L
C-C_R	15.43343400	-3.75530400	-7.10119300 L
C-C_R	10.06197800	-6.04767500	-11.01101300 L
C-C_R	15.31913000	-5.03207500	-7.65484300 L
C-C_R	8.05459900	-5.63834700	-12.34721000 L
C-C_R	11.34479700	-6.61135700	-11.01219300 L
C-C_R	12.48793200	-2.04413700	-8.34938400 L
C-C_R	16.58124500	-3.42644800	-6.34315000 L
C-C_R	8.54476300	-8.14055100	-13.57554900 L
C-C_R	9.00191600	-7.88883400	-12.29877600 L
C-C_R	11.29635100	-0.62357900	-9.87928800 L
C-C_R	12.21377900	-1.62858900	-9.64127900 L
C-C_R	10.60829600	-0.04822200	-8.82061900 L
C-C_R	16.35835600	-5.97034300	-7.43912600 L
C-C_R	9.60116000	2.16208400	-8.45179500 L
C-C_R	8.44760400	-4.65309000	-13.20739600 L
C-C_R	10.92285800	-0.41308700	-7.53888600 L
C-C_R	11.87130500	-1.40033200	-7.30138700 L
C-C_R	6.71127700	-5.82364200	-12.08947100 L
C-C_R	17.46706600	-5.63008800	-6.71308700 L
C-C_R	17.57626200	-4.35834700	-6.16104900 L
C-C_R	16.21595400	-7.27897700	-8.00963500 L
N-N_R	16.12858800	-8.32274800	-8.46755400 L
C-C_R	9.37634700	-8.95848400	-11.50432300 L
C-C_R	8.56530900	0.54157600	-10.00478700 L
C-C_R	5.78650800	-5.01814100	-12.71572300 L
C-C_R	16.69758100	-2.11446400	-5.75694500 L
C-C_R	7.51338100	-3.84444400	-13.82466300 L
N-N_R	16.82431300	-1.09032300	-5.27877700 L

C-C_R	8.82008300	-10.48086700	-13.26858000 L
C-C_R	10.79117100	2.84938300	-8.35536100 L
C-C_R	6.17487900	-4.03267100	-13.56995300 L
C-C_R	8.43669400	-9.42476000	-14.04635000 L
C-C_R	8.45474100	2.73845100	-7.92438800 L
C-C_R	10.83384200	4.09914200	-7.76212500 L
C-C_R	9.30052600	-10.24005300	-12.01980100 L
C-C_R	6.98433200	1.12983600	-11.71152100 L
C-C_R	7.94503000	1.51601300	-10.79001200 L
C-C_R	8.19218600	-0.77472300	-10.18253800 L
C-C_R	8.51443600	4.00463900	-7.34703600 L
C-C_R	9.70111700	4.67626000	-7.27177100 L
C-C_R	7.24461000	-1.10962900	-11.13378100 L
C-C_R	6.63057200	-0.15071100	-11.89966200 L
N-N_R	14.75423600	-11.39816200	-0.15460500 L
N-N_R	14.99309400	-8.81299600	0.90900300 L
N-N_R	9.54543000	-12.55109300	-3.57166800 L
C-C_R	13.81123900	-10.48921000	-0.38590400 L
C-C_R	10.37884500	-10.93648000	-1.97164900 L
C-C_R	12.66752100	-10.96635200	-1.19170300 L
C-C_R	11.37732700	-10.41292300	-1.18044800 L
C-C_R	13.96522300	-9.14166900	0.14622400 L
N-N_R	10.08617700	-5.10774600	-0.85199100 L
C-C_R	12.86221200	-12.08519000	-2.00770700 L
C-C_R	15.95625000	-9.75215200	1.12600700 L
C-C_R	10.58470500	-12.04457700	-2.78522400 L
C-C_R	15.84194600	-11.02892300	0.57235700 L
C-C_R	8.57737200	-11.63592800	-4.12068800 L
C-C_R	11.86757100	-12.60893800	-2.78567100 L
C-C_R	13.01065900	-8.04103900	-0.12359400 L
C-C_R	17.10401800	-9.42402900	1.88337100 L
C-C_R	9.06753700	-14.13813300	-5.34902700 L
C-C_R	9.52473200	-13.88568100	-4.07157600 L
C-C_R	11.81907700	-6.62048100	-1.65349900 L
C-C_R	12.73654800	-7.62475800	-1.41481100 L
C-C_R	11.13107000	-6.04580400	-0.59409800 L
C-C_R	16.88112900	-11.96792400	0.78739600 L
C-C_R	10.12393300	-3.83549700	-0.22527400 L
C-C_R	8.97033000	-10.64999100	-4.98160600 L
C-C_R	11.44567400	-6.40993400	0.68831400 L
C-C_R	12.39407900	-7.39791300	0.92513500 L
C-C_R	7.23405000	-11.82122400	-3.86295000 L
C-C_R	17.98983500	-11.62625600	1.51338100 L
C-C_R	18.09907700	-10.35519400	2.06615100 L

C-C_R	16.73872700	-13.27655800	0.21688700 L
N-N_R	16.65140400	-14.31959600	-0.24035400 L
C-C_R	9.89916300	-14.95533200	-3.27712300 L
C-C_R	9.08812400	-5.45527200	-1.77758700 L
C-C_R	6.30927700	-11.01431000	-4.48925500 L
C-C_R	17.22030800	-8.11136600	2.46884500 L
C-C_R	8.03615400	-9.84202600	-5.59814200 L
N-N_R	17.34708600	-7.08790400	2.94774500 L
C-C_R	9.34285600	-16.47844800	-5.04205900 L
C-C_R	11.31394400	-3.14819800	-0.12883900 L
C-C_R	6.69765300	-10.03025200	-5.34343100 L
C-C_R	8.95942000	-15.42166200	-5.82056100 L
C-C_R	8.97751000	-3.25771700	0.30208000 L
C-C_R	11.35661500	-1.89844000	0.46439600 L
C-C_R	9.82329900	-16.23763400	-3.79328000 L
C-C_R	7.50710500	-4.86774500	-3.48499900 L
C-C_R	8.46780300	-4.48156800	-2.56349100 L
C-C_R	8.71495900	-6.77230400	-1.95601600 L
C-C_R	9.03720900	-1.99294300	0.87948600 L
C-C_R	10.22389000	-1.32132100	0.95475100 L
C-C_R	7.76738400	-7.10721100	-2.90726000 L
C-C_R	7.15334500	-6.14829200	-3.67314000 L
N-N_R	-10.35064700	-5.41576600	-6.83007100 L
N-N_R	-10.11179000	-2.83060000	-5.76646300 L
N-N_R	-15.55949600	-6.56943100	-10.24781200 L
C-C_R	-11.29364500	-4.50681400	-7.06137000 L
C-C_R	-14.72599200	-4.95476400	-8.64638300 L
C-C_R	-12.43736300	-4.98395600	-7.86716800 L
C-C_R	-13.72755600	-4.43052700	-7.85591400 L
C-C_R	-11.13961400	-3.15995300	-6.52851000 L
N-N_R	-15.01870700	0.87465000	-7.52745700 L
C-C_R	-12.24271400	-6.10352700	-8.68385100 L
C-C_R	-9.14867600	-3.77048900	-5.55013800 L
C-C_R	-14.52013300	-6.06286100	-9.45995700 L
C-C_R	-9.26298000	-5.04726100	-6.10378700 L
C-C_R	-16.52751200	-5.65353300	-10.79615400 L
C-C_R	-13.23731300	-6.62654200	-9.46113700 L
C-C_R	-12.09417800	-2.05932300	-6.79832800 L
C-C_R	-8.00086500	-3.44163300	-4.79209400 L
C-C_R	-16.03734700	-8.15573700	-12.02449300 L
C-C_R	-15.58019400	-7.90401900	-10.74772000 L
C-C_R	-13.28576000	-0.63876500	-8.32823200 L
C-C_R	-12.36833200	-1.64377500	-8.09022300 L
C-C_R	-13.97381400	-0.06340800	-7.26956400 L

C-C_R	-8.22375500	-5.98552800	-5.88807000 L
C-C_R	-14.98095000	2.14689900	-6.90073900 L
C-C_R	-16.13450700	-4.66827500	-11.65634000 L
C-C_R	-13.65925200	-0.42827200	-5.98783000 L
C-C_R	-12.71080500	-1.41551800	-5.75033100 L
C-C_R	-17.87083400	-5.83882800	-10.53841500 L
C-C_R	-7.11504400	-5.64527300	-5.16203100 L
C-C_R	-7.00584900	-4.37353200	-4.60999400 L
C-C_R	-8.36615700	-7.29416300	-6.45857900 L
N-N_R	-8.45352300	-8.33793400	-6.91649800 L
C-C_R	-15.20576400	-8.97366900	-9.95326700 L
C-C_R	-16.01680200	0.52639000	-8.45373100 L
C-C_R	-18.79560200	-5.03332700	-11.16466700 L
C-C_R	-7.88452900	-2.12964900	-4.20588900 L
C-C_R	-17.06873000	-3.85963000	-12.27360700 L
N-N_R	-7.75779800	-1.10550800	-3.72772100 L
C-C_R	-15.76202700	-10.49605200	-11.71752400 L
C-C_R	-13.79094000	2.83419800	-6.80430500 L
C-C_R	-18.40723100	-4.04785600	-12.01889700 L
C-C_R	-16.14541700	-9.43994600	-12.49529400 L
C-C_R	-16.12737000	2.72326600	-6.37333200 L
C-C_R	-13.74826800	4.08395600	-6.21106900 L
C-C_R	-15.28158400	-10.25523800	-10.46874500 L
C-C_R	-17.59777900	1.11465100	-10.16046500 L
C-C_R	-16.63708100	1.50082800	-9.23895700 L
C-C_R	-16.38992400	-0.78990800	-8.63148200 L
C-C_R	-16.06767500	3.98945300	-5.79598000 L
C-C_R	-14.88099400	4.66107500	-5.72071500 L
C-C_R	-17.33750000	-1.12481500	-9.58272500 L
C-C_R	-17.95153900	-0.16589700	-10.34860600 L
N-N_R	-9.82787400	-11.41334800	1.39645100 L
N-N_R	-9.58901600	-8.82818100	2.46005900 L
N-N_R	-15.03668000	-12.56627900	-2.02061300 L
C-C_R	-10.77087100	-10.50439600	1.16515200 L
C-C_R	-14.20326600	-10.95166600	-0.42059300 L
C-C_R	-11.91459000	-10.98153700	0.35935300 L
C-C_R	-13.20478300	-10.42810900	0.37060800 L
C-C_R	-10.61688800	-9.15685500	1.69728000 L
N-N_R	-14.49593300	-5.12293100	0.69906500 L
C-C_R	-11.71989900	-12.10037500	-0.45665100 L
C-C_R	-8.62586100	-9.76733700	2.67706200 L
C-C_R	-13.99740600	-12.05976300	-1.23416800 L
C-C_R	-8.74016500	-11.04410800	2.12341300 L
C-C_R	-16.00473900	-11.65111400	-2.56963200 L

C-C_R	-12.71454000	-12.62412400	-1.23461500 L
C-C_R	-11.57145200	-8.05622500	1.42746200 L
C-C_R	-7.47809200	-9.43921500	3.43442700 L
C-C_R	-15.51457400	-14.15331800	-3.79797200 L
C-C_R	-15.05737900	-13.90086700	-2.52052000 L
C-C_R	-12.76303300	-6.63566600	-0.10244300 L
C-C_R	-11.84556300	-7.63994300	0.13624500 L
C-C_R	-13.45104100	-6.06098900	0.95695800 L
C-C_R	-7.70098200	-11.98311000	2.33845200 L
C-C_R	-14.45817700	-3.85068200	1.32578200 L
C-C_R	-15.61178000	-10.66517700	-3.43055100 L
C-C_R	-13.13643600	-6.42512000	2.23936900 L
C-C_R	-12.18803200	-7.41309900	2.47619100 L
C-C_R	-17.34806100	-11.83640900	-2.31189400 L
C-C_R	-6.59227500	-11.64144100	3.06443700 L
C-C_R	-6.48303300	-10.37038000	3.61720600 L
C-C_R	-7.84338300	-13.29174400	1.76794200 L
N-N_R	-7.93070700	-14.33478200	1.31070200 L
C-C_R	-14.68294800	-14.97051700	-1.72606700 L
C-C_R	-15.49398600	-5.47045800	-0.22653100 L
C-C_R	-18.27283300	-11.02949500	-2.93819900 L
C-C_R	-7.36180200	-8.12655100	4.01990100 L
C-C_R	-16.54595700	-9.85721100	-4.04708600 L
N-N_R	-7.23502500	-7.10309000	4.49880100 L
C-C_R	-15.23925400	-16.49363400	-3.49100300 L
C-C_R	-13.26816600	-3.16338400	1.42221700 L
C-C_R	-17.88445800	-10.04543800	-3.79237500 L
C-C_R	-15.62269000	-15.43684800	-4.26950500 L
C-C_R	-15.60460100	-3.27290300	1.85313600 L
C-C_R	-13.22549500	-1.91362500	2.01545200 L
C-C_R	-14.75881100	-16.25282000	-2.24222400 L
C-C_R	-17.07500500	-4.88293100	-1.93394400 L
C-C_R	-16.11430800	-4.49675400	-1.01243500 L
C-C_R	-15.86715100	-6.78748900	-0.40496000 L
C-C_R	-15.54490200	-2.00812800	2.43054200 L
C-C_R	-14.35822100	-1.33650600	2.50580700 L
C-C_R	-16.81472700	-7.12239600	-1.35620400 L
C-C_R	-17.42876600	-6.16347800	-2.12208400 L
N-N_R	1.82963500	6.66735400	-9.25091500 L
N-N_R	1.93604400	4.08308000	-10.33704300 L
N-N_R	-2.91077600	7.81555200	-5.20614100 L
C-C_R	0.92430800	5.75726000	-8.90299200 L
C-C_R	-2.28313900	6.20110800	-6.89902900 L
C-C_R	-0.10964200	6.23305700	-7.95979000 L

C-C_R	-1.39033600	5.67804000	-7.80882900 L
C-C_R	1.01179800	4.41054800	-9.45109100 L
N-N_R	-2.70704600	0.37193100	-7.97347300 L
C-C_R	0.18373900	7.35292900	-7.17390000 L
C-C_R	2.86312900	5.02340400	-10.67331500 L
C-C_R	-1.97801400	7.30952100	-6.11769600 L
C-C_R	2.81783900	6.30013100	-10.10818000 L
C-C_R	-3.80006600	6.89850600	-4.54060900 L
C-C_R	-0.70491700	7.87478100	-6.27778700 L
C-C_R	0.10007300	3.30876500	-9.06351600 L
C-C_R	3.90605000	4.69595500	-11.56817100 L
C-C_R	-3.16347200	9.40140600	-3.38336500 L
C-C_R	-2.87007000	9.14947300	-4.70676100 L
C-C_R	-0.88801000	1.88686000	-7.39608200 L
C-C_R	-0.01000900	2.89298000	-7.74737700 L
C-C_R	-1.70396400	1.31057400	-8.35985200 L
C-C_R	3.81950800	7.24033800	-10.45340600 L
C-C_R	-2.74679800	-0.90031900	-8.60006500 L
C-C_R	-3.30179700	5.91312000	-3.73592400 L
C-C_R	-1.55354100	1.67567200	-9.67234000 L
C-C_R	-0.64264300	2.66480000	-10.02647800 L
C-C_R	-5.16635500	7.08212800	-4.62737900 L
C-C_R	4.82859000	6.89997900	-11.31301800 L
C-C_R	4.87009500	5.62833100	-11.87456300 L
C-C_R	3.74838200	8.54816100	-9.86868900 L
N-N_R	3.71893300	9.59254000	-9.40413400 L
C-C_R	-2.59982600	10.21878800	-5.54257100 L
C-C_R	-3.58126900	0.71830100	-6.92974200 L
C-C_R	-6.00403500	6.27485800	-3.88918700 L
C-C_R	3.95039400	3.38407000	-12.16451500 L
C-C_R	-4.15002900	5.10337400	-3.00619000 L
N-N_R	4.01723100	2.36072900	-12.65563100 L
C-C_R	-2.93080200	11.74203600	-3.72238600 L
C-C_R	-1.57650300	-1.58616000	-8.84542700 L
C-C_R	-5.51016000	5.28993300	-3.09062400 L
C-C_R	-3.21304200	10.68483900	-2.90188200 L
C-C_R	-3.94866200	-1.47881600	-8.97856800 L
C-C_R	-1.60719800	-2.83591100	-9.43941800 L
C-C_R	-2.61079000	11.50103700	-5.02093600 L
C-C_R	-4.93341700	0.12896200	-5.03725600 L
C-C_R	-4.09564400	-0.25678400	-6.07150700 L
C-C_R	-3.92966900	2.03488700	-6.70578400 L
C-C_R	-3.96049800	-2.74429500	-9.55967400 L
C-C_R	-2.79281500	-3.41514100	-9.78275800 L

C-C_R	-4.75057600	2.36870100	-5.64295500 L
C-C_R	-5.26325000	1.40840700	-4.80524700 L
N-N_R	2.25967800	0.62463100	-1.02620300 H
N-N_R	2.33618300	-1.90352700	-2.15138100 H
N-N_R	-2.35079700	1.81813800	3.09469100 H
C-C_R	1.35530100	-0.26997300	-0.67809300 H
C-C_R	-1.80130300	0.17350100	1.40331500 H
C-C_R	0.34945700	0.20553600	0.27997300 H
C-C_R	-0.92351400	-0.34973600	0.47396500 H
C-C_R	1.42808700	-1.60723700	-1.25456000 H
N-N_R	-2.13417400	-5.82802700	0.07321400 H
C-C_R	0.67282100	1.33990500	1.04214000 H
C-C_R	3.27052700	-0.98892900	-2.46951100 H
C-C_R	-1.46176200	1.29994800	2.16720700 H
C-C_R	3.23151700	0.29040600	-1.88599200 H
C-C_R	-3.24497400	0.95353500	3.79075700 H
C-C_R	-0.19778600	1.87753400	1.96013800 H
C-C_R	0.53658800	-2.72649500	-0.89602300 H
C-C_R	4.31926000	-1.31853000	-3.36293200 H
C-C_R	-2.48716700	3.47083500	4.86864100 H
C-C_R	-2.29887500	3.16405200	3.52082800 H
C-C_R	-0.49531700	-4.16676200	0.74404200 H
C-C_R	0.34583500	-3.11766700	0.43011900 H
C-C_R	-1.18163600	-4.85207200	-0.26217900 H
C-C_R	4.22051700	1.24271000	-2.24482800 H
C-C_R	-2.11251800	-7.08450500	-0.56652800 H
C-C_R	-2.73699400	0.03165300	4.70131300 H
C-C_R	-0.90744000	-4.53303600	-1.59398600 H
C-C_R	-0.05887600	-3.48524300	-1.90369700 H
C-C_R	-4.62131800	1.08720700	3.63337300 H
C-C_R	5.23812900	0.90090900	-3.11367400 H
C-C_R	5.29399100	-0.38388700	-3.66250100 H
C-C_R	4.13314200	2.55371000	-1.69922300 H
N-N_R	4.06616200	3.62665600	-1.27567200 H
C-C_R	-2.10600500	4.19861300	2.60340000 H
C-C_R	-3.02387800	-5.58408300	1.14285100 H
C-C_R	-5.48283600	0.28594100	4.37246800 H
C-C_R	4.36618600	-2.62793300	-3.92972200 H
C-C_R	-3.60154300	-0.75537200	5.44632200 H
N-N_R	4.42745700	-3.68044400	-4.40562100 H
C-C_R	-2.31398400	5.82103300	4.37438100 H
C-C_R	-0.89707400	-7.72324900	-0.82034800 H
C-C_R	-4.97473300	-0.63790000	5.27681200 H
C-C_R	-2.49833700	4.79163400	5.28724200 H

C-C_R	-3.30442300	-7.71914300	-0.92669000 H
C-C_R	-0.87772800	-8.97452400	-1.41984100 H
C-C_R	-2.10840800	5.51625500	3.03432600 H
C-C_R	-4.28154200	-6.36760300	3.04773700 H
C-C_R	-3.44074200	-6.62311200	1.97620800 H
C-C_R	-3.49586800	-4.29154900	1.39179700 H
C-C_R	-3.27679600	-8.97985200	-1.50375600 H
C-C_R	-2.06467100	-9.61343500	-1.75632800 H
C-C_R	-4.32477400	-4.04367500	2.47653900 H
C-C_R	-4.72125300	-5.07778200	3.31531400 H
N-N_R	2.87517700	-5.32639600	7.20207500 L
N-N_R	2.98163300	-7.91134900	6.11667900 L
N-N_R	-1.86522900	-4.17961100	11.24690300 L
C-C_R	1.96985100	-6.23648900	7.54999700 L
C-C_R	-1.23755000	-5.79332100	9.55469300 L
C-C_R	0.93590000	-5.76069300	8.49320000 L
C-C_R	-0.34474700	-6.31638900	8.64489300 L
C-C_R	2.05738700	-7.58388100	7.00263000 L
N-N_R	-1.66145700	-11.62249800	8.48024900 L
C-C_R	1.22923900	-4.64155400	9.27841100 L
C-C_R	3.90871800	-6.97102500	5.78040600 L
C-C_R	-0.93242600	-4.68490900	10.33602600 L
C-C_R	3.86338200	-5.69361900	6.34480900 L
C-C_R	-2.75447700	-5.09592300	11.91311300 L
C-C_R	0.34062500	-4.11896900	10.17520300 L
C-C_R	1.14566200	-8.68566400	7.39020500 L
C-C_R	4.95159300	-7.29779400	4.88481900 L
C-C_R	-2.11788300	-2.59302300	13.07035700 L
C-C_R	-1.82448200	-2.84495600	11.74696100 L
C-C_R	0.15757900	-10.10756900	9.05764000 L
C-C_R	1.03553700	-9.10218300	8.70566600 L
C-C_R	-0.65842200	-10.68317500	8.09313700 L
C-C_R	4.86509700	-4.75409100	6.00031500 L
C-C_R	-1.70120900	-12.89474800	7.85365700 L
C-C_R	-2.25620800	-6.08130900	12.71779700 L
C-C_R	-0.50795200	-10.31875700	6.78138100 L
C-C_R	0.40294600	-9.32963000	6.42724400 L
C-C_R	-4.12076600	-4.91230100	11.82634300 L
C-C_R	5.87417900	-5.09445100	5.14070400 L
C-C_R	5.91563700	-6.36541900	4.57842600 L
C-C_R	4.79392400	-3.44558800	6.58430100 L
N-N_R	4.76452200	-2.40188900	7.04958700 L
C-C_R	-1.55423700	-1.77564100	10.91115100 L
C-C_R	-2.53568000	-11.27612800	9.52398000 L

C-C_R	-4.95848800	-5.72030400	12.56385600 L
C-C_R	4.99598300	-8.61035900	4.28920700 L
C-C_R	-3.10448600	-6.89037600	13.44680000 L
N-N_R	5.06282000	-9.63370100	3.79809000 L
C-C_R	-1.88521300	-0.25239300	12.73133600 L
C-C_R	-0.53091400	-13.58058900	7.60829400 L
C-C_R	-4.46461800	-6.70381700	13.36236500 L
C-C_R	-2.16745300	-1.30959000	13.55184000 L
C-C_R	-2.90311500	-13.47397900	7.47447600 L
C-C_R	-0.56160900	-14.83034000	7.01430300 L
C-C_R	-1.56520100	-0.49339200	11.43278500 L
C-C_R	-3.88782800	-11.86546700	11.41646600 L
C-C_R	-3.05010200	-12.25053300	10.38148200 L
C-C_R	-2.88408000	-9.95954200	9.74793700 L
C-C_R	-2.91490900	-14.73872400	6.89404700 L
C-C_R	-1.74727300	-15.40889100	6.67023200 L
C-C_R	-3.70498700	-9.62572800	10.81076600 L
C-C_R	-4.21770800	-10.58534200	11.64774200 L
N-N_R	1.75613600	-9.66082000	-10.57562500 L
N-N_R	1.86258800	-12.24436000	-11.66107500 L
N-N_R	-2.98427400	-8.51262200	-6.53085100 L
C-C_R	0.85085200	-10.57018000	-10.22702400 L
C-C_R	-2.35663700	-10.12706600	-8.22373900 L
C-C_R	-0.18318700	-10.09443800	-9.28523200 L
C-C_R	-1.46379200	-10.64940100	-9.13286100 L
C-C_R	0.93829900	-11.91762600	-10.77580200 L
N-N_R	-2.78054400	-15.95624300	-9.29818400 L
C-C_R	0.11019300	-8.97456500	-8.49934300 L
C-C_R	2.78967300	-11.30403700	-11.99734800 L
C-C_R	-2.05151300	-9.01865400	-7.44240600 L
C-C_R	2.74434100	-10.02804400	-11.43289100 L
C-C_R	-3.87356400	-9.42966800	-5.86532000 L
C-C_R	-0.77841600	-8.45339300	-7.60249700 L
C-C_R	0.02661700	-13.01867600	-10.38754900 L
C-C_R	3.83250500	-11.63153900	-12.89361300 L
C-C_R	-3.23692800	-6.92603400	-4.70739700 L
C-C_R	-2.94356900	-7.17870100	-6.03147100 L
C-C_R	-0.96150800	-14.44131400	-8.72079200 L
C-C_R	-0.08350800	-13.43519400	-9.07208700 L
C-C_R	-1.77742100	-15.01686600	-9.68388500 L
C-C_R	3.74601000	-9.08783600	-11.77811700 L
C-C_R	-2.82029600	-17.22849300	-9.92477500 L
C-C_R	-3.37529600	-10.41505400	-5.06063500 L
C-C_R	-1.62699700	-14.65176900	-10.99637300 L

C-C_R	-0.71609900	-13.66264100	-11.35051000 L
C-C_R	-5.23985400	-9.24604600	-5.95209000 L
C-C_R	4.75513400	-9.42746200	-12.63705000 L
C-C_R	4.79663900	-10.69911000	-13.19859600 L
C-C_R	3.67488300	-7.78001300	-11.19339900 L
N-N_R	3.64543500	-6.73563400	-10.72884500 L
C-C_R	-2.67328200	-6.10865300	-6.86660300 L
C-C_R	-3.65472500	-15.60914000	-8.25377400 L
C-C_R	-6.07753300	-10.05331600	-5.21389800 L
C-C_R	3.87689600	-12.94410400	-13.48922500 L
C-C_R	-4.22352700	-11.22480100	-4.33090000 L
N-N_R	3.94377500	-13.96671200	-13.97966400 L
C-C_R	-3.00430000	-4.58613800	-5.04709600 L
C-C_R	-1.65000200	-17.91433400	-10.17013800 L
C-C_R	-5.58370600	-11.03756200	-4.41606700 L
C-C_R	-3.28654000	-5.64333500	-4.22659200 L
C-C_R	-4.02216000	-17.80699000	-10.30327800 L
C-C_R	-1.68069700	-19.16408500	-10.76412900 L
C-C_R	-2.68424600	-4.82640400	-6.34496800 L
C-C_R	-5.00691500	-16.19921200	-6.36196700 L
C-C_R	-4.16910100	-16.58422400	-7.39554000 L
C-C_R	-4.00316800	-14.29328700	-8.03049500 L
C-C_R	-4.03399700	-19.07246900	-10.88438500 L
C-C_R	-2.86636000	-19.74263600	-11.10820000 L
C-C_R	-4.82403300	-13.95874000	-6.96698800 L
C-C_R	-5.33675300	-14.91835400	-6.13001200 L
N-N_R	2.27890500	-15.65698800	-2.34915700 L
N-N_R	2.38536100	-18.24194200	-3.43455400 L
N-N_R	-2.46150100	-14.51020300	1.69567100 L
C-C_R	1.37357900	-16.56708200	-2.00123500 L
C-C_R	-1.83382200	-16.12391400	0.00346000 L
C-C_R	0.33962800	-16.09128600	-1.05803200 L
C-C_R	-0.94101900	-16.64698200	-0.90634000 L
C-C_R	1.46111500	-17.91447400	-2.54860200 L
N-N_R	-2.25772900	-21.95309100	-1.07098400 L
C-C_R	0.63296700	-14.97214700	-0.27282100 L
C-C_R	3.31244600	-17.30161800	-3.77082600 L
C-C_R	-1.52869700	-15.01550100	0.78479400 L
C-C_R	3.26711000	-16.02421200	-3.20642300 L
C-C_R	-3.35074900	-15.42651600	2.36188000 L
C-C_R	-0.25564700	-14.44956100	0.62397100 L
C-C_R	0.54939100	-19.01625700	-2.16102700 L
C-C_R	4.35532100	-17.62838700	-4.66641400 L
C-C_R	-2.71415500	-12.92361500	3.51912500 L

C-C_R	-2.42075300	-13.17554900	2.19572900 L
C-C_R	-0.43869300	-20.43816200	-0.49359200 L
C-C_R	0.43926600	-19.43277600	-0.84556600 L
C-C_R	-1.25469400	-21.01376800	-1.45809500 L
C-C_R	4.26882600	-15.08468300	-3.55091700 L
C-C_R	-2.29748100	-23.22534100	-1.69757500 L
C-C_R	-2.85248000	-16.41190200	3.16656500 L
C-C_R	-1.10422400	-20.64935000	-2.76985100 L
C-C_R	-0.19332600	-19.66022200	-3.12398800 L
C-C_R	-4.71703800	-15.24289400	2.27511000 L
C-C_R	5.27790700	-15.42504300	-4.41052800 L
C-C_R	5.31936500	-16.69601200	-4.97280600 L
C-C_R	4.19765200	-13.77618100	-2.96693200 L
N-N_R	4.16825000	-12.73248200	-2.50164500 L
C-C_R	-2.15050900	-12.10623400	1.35991800 L
C-C_R	-3.13195200	-21.60672100	-0.02725300 L
C-C_R	-5.55476000	-16.05089700	3.01262400 L
C-C_R	4.39971100	-18.94095200	-5.26202600 L
C-C_R	-3.70075800	-17.22096900	3.89556800 L
N-N_R	4.46654900	-19.96429300	-5.75314200 L
C-C_R	-2.48148500	-10.58298600	3.18010300 L
C-C_R	-1.12718600	-23.91118200	-1.94293800 L
C-C_R	-5.06089000	-17.03440900	3.81113300 L
C-C_R	-2.76372400	-11.64018300	4.00060800 L
C-C_R	-3.49938700	-23.80457200	-2.07675700 L
C-C_R	-1.15788100	-25.16093300	-2.53692900 L
C-C_R	-2.16147300	-10.82398500	1.88155300 L
C-C_R	-4.48409900	-22.19606000	1.86523300 L
C-C_R	-3.64637400	-22.58112600	0.83025000 L
C-C_R	-3.48035200	-20.29013500	0.19670500 L
C-C_R	-3.51118100	-25.06931600	-2.65718500 L
C-C_R	-2.34354500	-25.73948400	-2.88100000 L
C-C_R	-4.30125900	-19.95632100	1.25953400 L
C-C_R	-4.81398000	-20.91593500	2.09651000 L
H-H_	14.85482400	10.91515000	-3.13778200 L
H-H_	13.10126000	10.01271300	-4.54538600 L
H-H_	10.44200600	12.98902400	-3.07077000 L
H-H_	12.19766800	13.89880800	-1.69336000 L
H-H_	15.47560100	13.75930600	0.88463000 L
H-H_	12.62875900	6.72597000	-2.44269100 L
H-H_	11.02731200	8.52742700	-2.85808400 L
H-H_	14.25640300	10.94267100	0.08245000 L
H-H_	13.30999900	6.37111600	-6.60854400 L
H-H_	11.62118400	8.10069500	-7.02772700 L

H-H_	17.35354100	13.02286500	-1.91410200 L
H-H_	5.49343200	12.77923100	-6.75308300 L
H-H_	5.30264400	10.53771600	-7.73433100 L
H-H_	14.02558800	15.23209600	-2.81904100 L
H-H_	19.00118300	11.60644200	-0.79457800 L
H-H_	15.91641200	9.51183200	1.17551100 L
H-H_	15.00212300	17.92028000	0.31338300 L
H-H_	12.05662300	4.02381800	-4.58121100 L
H-H_	18.30113600	9.84480400	0.71809700 L
H-H_	15.69535500	16.03656500	1.70598600 L
H-H_	16.22072600	4.22537900	-5.35994900 L
H-H_	11.97839200	1.81945900	-5.63621200 L
H-H_	14.11707300	17.49984900	-1.90272800 L
H-H_	17.24151300	4.55218500	-1.02527000 L
H-H_	15.53684900	3.88895800	-2.64010500 L
H-H_	15.10819400	7.97754100	-3.74034200 L
H-H_	16.12163900	1.98395300	-6.36471000 L
H-H_	14.00423100	0.78606000	-6.49086500 L
H-H_	16.76067000	8.57492200	-2.04808200 L
H-H_	17.85403700	6.85291300	-0.69612700 L
H-H_	15.37759700	4.91756800	5.08873900 L
H-H_	13.62407600	4.01586500	3.68181400 L
H-H_	10.96468600	6.99280200	5.15428700 L
H-H_	12.72048800	7.90054700	6.53389400 L
H-H_	15.99845900	7.76319200	9.11250800 L
H-H_	13.15149000	0.72765500	5.78315300 L
H-H_	11.55008500	2.52984600	5.36843700 L
H-H_	14.77917600	4.94509000	8.30897200 L
H-H_	13.83281500	0.37426900	1.61865600 L
H-H_	12.14400000	2.10384700	1.19947300 L
H-H_	17.87631500	7.02528400	6.31242000 L
H-H_	6.01624700	6.78238300	1.47411700 L
H-H_	5.82446200	4.54086700	0.49293200 L
H-H_	14.54840400	9.23524800	5.40815900 L
H-H_	19.52395700	5.60886100	7.43194300 L
H-H_	16.43918500	3.51425100	9.40203300 L
H-H_	15.52589400	11.92269900	8.53984100 L
H-H_	12.57939700	-1.97376300	3.64531100 L
H-H_	18.82481400	3.84858200	8.94309200 L
H-H_	16.21812800	10.03898300	9.93250800 L
H-H_	16.74349900	-1.77220200	2.86657300 L
H-H_	12.50125400	-4.17806900	2.59172000 L
H-H_	14.63889100	11.50300000	6.32453500 L
H-H_	17.76524100	-1.44612900	7.20051000 L

H-H_	16.05966500	-2.10789000	5.58709500 L
H-H_	15.63087800	1.97990600	4.48477000 L
H-H_	16.64445900	-4.01430800	1.86254300 L
H-H_	14.52686900	-5.21089600	1.73351400 L
H-H_	17.28248700	2.57807400	6.17918100 L
H-H_	18.37680600	0.85674500	7.53034000 L
H-H_	15.90041300	-1.07927900	13.31593900 L
H-H_	14.14684900	-1.98171700	11.90833600 L
H-H_	11.48746400	0.99380700	13.38086300 L
H-H_	13.24321000	1.90505900	14.75963000 L
H-H_	16.52119000	1.76487700	17.33835100 L
H-H_	13.67534600	-5.26845900	14.01096800 L
H-H_	12.07281600	-3.46846900	13.59428100 L
H-H_	15.30199200	-1.05175800	16.53617200 L
H-H_	14.35558800	-5.62331300	9.84517800 L
H-H_	12.66677300	-3.89373400	9.42599400 L
H-H_	18.40021700	1.02849100	14.54096800 L
H-H_	6.53902100	0.78480200	9.70063900 L
H-H_	6.34814000	-1.45535400	8.71792600 L
H-H_	15.07117700	3.23766600	13.63468100 L
H-H_	20.04664500	-0.39018800	15.65710900 L
H-H_	16.96195400	-2.48191700	17.62850100 L
H-H_	16.04771200	5.92585000	16.76710400 L
H-H_	13.10221200	-7.97061100	11.87251100 L
H-H_	19.34672000	-2.14821200	17.17176500 L
H-H_	16.74094400	4.04213600	18.15970800 L
H-H_	17.26622600	-7.76910400	11.09236200 L
H-H_	13.02407000	-10.17491600	10.81892000 L
H-H_	15.16266200	5.50541900	14.55099400 L
H-H_	18.28710100	-7.44224400	15.42845100 L
H-H_	16.58338900	-8.10479100	13.81282200 L
H-H_	16.15378300	-4.01688800	12.71338000 L
H-H_	17.16727500	-10.01115600	10.08974300 L
H-H_	15.04968400	-11.20774400	9.96071400 L
H-H_	17.80625900	-3.41950700	14.40564000 L
H-H_	18.89957900	-5.14083700	15.75686200 L
H-H_	-9.72728700	10.89996400	-1.58672600 L
H-H_	-11.48085000	9.99752700	-2.99433000 L
H-H_	-14.14010400	12.97383900	-1.51971400 L
H-H_	-12.38444200	13.88362300	-0.14230400 L
H-H_	-9.10651000	13.74412100	2.43568500 L
H-H_	-11.95335100	6.71078400	-0.89163500 L
H-H_	-13.55479900	8.51224200	-1.30702900 L
H-H_	-10.32570800	10.92748600	1.63350600 L

H-H_	-11.27211100	6.35593100	-5.05748800 L
H-H_	-12.96092600	8.08551000	-5.47667100 L
H-H_	-7.22856900	13.00768000	-0.36304600 L
H-H_	-19.08867900	12.76404600	-5.20202700 L
H-H_	-19.27946600	10.52253000	-6.18327500 L
H-H_	-10.55652200	15.21691000	-1.26798500 L
H-H_	-5.58092700	11.59125700	0.75647800 L
H-H_	-8.66569900	9.49664700	2.72656700 L
H-H_	-9.57998700	17.90509400	1.86443900 L
H-H_	-12.52548700	4.00863300	-3.03015500 L
H-H_	-6.28097500	9.82961800	2.26915300 L
H-H_	-8.88675500	16.02137900	3.25704200 L
H-H_	-8.36138500	4.21019400	-3.80889300 L
H-H_	-12.60371900	1.80427300	-4.08515600 L
H-H_	-10.46503700	17.48466300	-0.35167200 L
H-H_	-7.34059800	4.53700000	0.52578500 L
H-H_	-9.04526100	3.87377300	-1.08904900 L
H-H_	-9.47391700	7.96235600	-2.18928600 L
H-H_	-8.46047100	1.96876700	-4.81365500 L
H-H_	-10.57787900	0.77087400	-4.93980900 L
H-H_	-7.82144100	8.55973700	-0.49702600 L
H-H_	-6.72807400	6.83772800	0.85492800 L
H-H_	-9.20451300	4.90238300	6.63979500 L
H-H_	-10.95803400	4.00067900	5.23287000 L
H-H_	-13.61742400	6.97761600	6.70534300 L
H-H_	-11.86162300	7.88536200	8.08495000 L
H-H_	-8.58365200	7.74800600	10.66356400 L
H-H_	-11.43062000	0.71246900	7.33420800 L
H-H_	-13.03202500	2.51466000	6.91949300 L
H-H_	-9.80293500	4.92990400	9.86002800 L
H-H_	-10.74929600	0.35908300	3.16971200 L
H-H_	-12.43811100	2.08866200	2.75052800 L
H-H_	-6.70579600	7.01009800	7.86347600 L
H-H_	-18.56586300	6.76719800	3.02517300 L
H-H_	-18.75764900	4.52568200	2.04398800 L
H-H_	-10.03370700	9.22006200	6.95921500 L
H-H_	-5.05815400	5.59367500	8.98299900 L
H-H_	-8.14292600	3.49906500	10.95308900 L
H-H_	-9.05621600	11.90751300	10.09089700 L
H-H_	-12.00271400	-1.98894900	5.19636700 L
H-H_	-5.75729700	3.83339700	10.49414800 L
H-H_	-8.36398200	10.02379800	11.48356400 L
H-H_	-7.83861100	-1.78738700	4.41762800 L
H-H_	-12.08085600	-4.19325400	4.14277600 L

H-H_	-9.94321900	11.48781500	7.87559100 L
H-H_	-6.81686900	-1.46131500	8.75156600 L
H-H_	-8.52244600	-2.12307500	7.13815100 L
H-H_	-8.95123200	1.96472000	6.03582600 L
H-H_	-7.93765100	-4.02949400	3.41359900 L
H-H_	-10.05524200	-5.22608200	3.28457000 L
H-H_	-7.29962300	2.56288800	7.73023700 L
H-H_	-6.20530500	0.84155900	9.08139600 L
H-H_	-8.68169800	-1.09446500	14.86699500 L
H-H_	-10.43526100	-1.99690200	13.45939100 L
H-H_	-13.09464700	0.97862200	14.93191900 L
H-H_	-11.33890000	1.88987300	16.31068600 L
H-H_	-8.06092100	1.74969100	18.88940700 L
H-H_	-10.90676400	-5.28364400	15.56202400 L
H-H_	-12.50929400	-3.48365500	15.14533600 L
H-H_	-9.28011900	-1.06694300	18.08722800 L
H-H_	-10.22652200	-5.63849800	11.39623300 L
H-H_	-11.91533700	-3.90891900	10.97705000 L
H-H_	-6.18189300	1.01330500	16.09202300 L
H-H_	-18.04309000	0.76961700	11.25169500 L
H-H_	-18.23397100	-1.47054000	10.26898200 L
H-H_	-9.51093300	3.22248100	15.18573700 L
H-H_	-4.53546500	-0.40537300	17.20816400 L
H-H_	-7.62015700	-2.49710300	19.17955700 L
H-H_	-8.53439800	5.91066500	18.31816000 L
H-H_	-11.47989800	-7.98579600	13.42356700 L
H-H_	-5.23539000	-2.16339800	18.72282100 L
H-H_	-7.84116600	4.02695000	19.71076400 L
H-H_	-7.31588500	-7.78428900	12.64341800 L
H-H_	-11.55804100	-10.19010200	12.36997600 L
H-H_	-9.41944800	5.49023400	16.10205000 L
H-H_	-6.29500900	-7.45742900	16.97950700 L
H-H_	-7.99872100	-8.11997600	15.36387800 L
H-H_	-8.42832800	-4.03207400	14.26443600 L
H-H_	-7.41483600	-10.02634200	11.64079900 L
H-H_	-9.53242600	-11.22292900	11.51177000 L
H-H_	-6.77585200	-3.43469300	15.95669600 L
H-H_	-5.68253200	-5.15602200	17.30791800 L
H-H_	14.25855200	0.58455700	-12.68901500 L
H-H_	12.50498900	-0.31788000	-14.09661800 L
H-H_	9.84573400	2.65843100	-12.62200300 L
H-H_	11.60139600	3.56821600	-11.24459200 L
H-H_	14.87932900	3.42871300	-8.66660300 L
H-H_	12.03248700	-3.60462300	-11.99392300 L

H-H_	10.43104000	-1.80316600	-12.40931700 L
H-H_	13.66013100	0.61207800	-9.46878200 L
H-H_	12.71372700	-3.95947600	-16.15977600 L
H-H_	11.02491200	-2.22989800	-16.57896000 L
H-H_	16.75727000	2.69227200	-11.46533400 L
H-H_	4.89716000	2.44863800	-16.30431500 L
H-H_	4.70637200	0.20712300	-17.28556300 L
H-H_	13.42931600	4.90150300	-12.37027300 L
H-H_	18.40491100	1.27584900	-10.34581100 L
H-H_	15.32014000	-0.81876100	-8.37572100 L
H-H_	14.40585100	7.58968700	-9.23785000 L
H-H_	11.46035100	-6.30677500	-14.13244300 L
H-H_	17.70486400	-0.48578900	-8.83313500 L
H-H_	15.09908300	5.70597200	-7.84524600 L
H-H_	15.62445400	-6.10521300	-14.91118100 L
H-H_	11.38212000	-8.51113400	-15.18744400 L
H-H_	13.52080200	7.16925600	-11.45396000 L
H-H_	16.64524100	-5.77840700	-10.57650300 L
H-H_	14.94057700	-6.44163500	-12.19133700 L
H-H_	14.51192200	-2.35305200	-13.29157400 L
H-H_	15.52536800	-8.34664000	-15.91594300 L
H-H_	13.40795900	-9.54453300	-16.04209700 L
H-H_	16.16439800	-1.75567100	-11.59931400 L
H-H_	17.25776500	-3.47768000	-10.24736000 L
H-H_	14.78132500	-5.41302400	-4.46249300 L
H-H_	13.02780400	-6.31472800	-5.86941800 L
H-H_	10.36841400	-3.33779100	-4.39694500 L
H-H_	12.12421600	-2.43004500	-3.01733800 L
H-H_	15.40218700	-2.56740100	-0.43872400 L
H-H_	12.55521800	-9.60293800	-3.76808000 L
H-H_	10.95381300	-7.80074700	-4.18279500 L
H-H_	14.18290400	-5.38550300	-1.24226000 L
H-H_	13.23654300	-9.95632400	-7.93257600 L
H-H_	11.54772800	-8.22674500	-8.35176000 L
H-H_	17.28004300	-3.30530900	-3.23881200 L
H-H_	5.41997600	-3.54820900	-8.07711500 L
H-H_	5.22819000	-5.78972600	-9.05830000 L
H-H_	13.95213200	-1.09534500	-4.14307300 L
H-H_	18.92768500	-4.72173200	-2.11928900 L
H-H_	15.84291300	-6.81634200	-0.14919900 L
H-H_	14.92962300	1.59210600	-1.01139100 L
H-H_	11.98312500	-12.30435600	-5.90592100 L
H-H_	18.22854200	-6.48201100	-0.60814000 L
H-H_	15.62185700	-0.29160900	0.38127600 L

H-H_	16.14722700	-12.10279500	-6.68466000 L
H-H_	11.90498200	-14.50866100	-6.95951200 L
H-H_	14.04261900	1.17240700	-3.22669700 L
H-H_	17.16897000	-11.77672200	-2.35072200 L
H-H_	15.46339300	-12.43848200	-3.96413700 L
H-H_	15.03460600	-8.35068700	-5.06646300 L
H-H_	16.04818800	-14.34490100	-7.68868900 L
H-H_	13.93059700	-15.54148900	-7.81771800 L
H-H_	16.68621600	-7.75251900	-3.37205100 L
H-H_	17.78053400	-9.47384800	-2.02089200 L
H-H_	15.30414100	-11.40987200	3.76470700 L
H-H_	13.55057800	-12.31230900	2.35710300 L
H-H_	10.89119200	-9.33678500	3.82963000 L
H-H_	12.64693800	-8.42553400	5.20839800 L
H-H_	15.92491800	-8.56571600	7.78711900 L
H-H_	13.07907400	-15.59905100	4.45973500 L
H-H_	11.47654400	-13.79906200	4.04304800 L
H-H_	14.70572000	-11.38235100	6.98493900 L
H-H_	13.75931600	-15.95390600	0.29394500 L
H-H_	12.07050100	-14.22432700	-0.12523800 L
H-H_	17.80394500	-9.30210200	4.98973500 L
H-H_	5.94274900	-9.54579100	0.14940700 L
H-H_	5.75186800	-11.78594700	-0.83330600 L
H-H_	14.47490500	-7.09292600	4.08344900 L
H-H_	19.45037300	-10.72078000	6.10587600 L
H-H_	16.36568200	-12.81251000	8.07726900 L
H-H_	15.45144000	-4.40474200	7.21587200 L
H-H_	12.50594000	-18.30120400	2.32127900 L
H-H_	18.75044800	-12.47880500	7.62053300 L
H-H_	16.14467200	-6.28845700	8.60847600 L
H-H_	16.66995400	-18.09969600	1.54113000 L
H-H_	12.42779800	-20.50550900	1.26768800 L
H-H_	14.56639100	-4.82517300	4.99976200 L
H-H_	17.69083000	-17.77283700	5.87721900 L
H-H_	15.98711700	-18.43538400	4.26159000 L
H-H_	15.55751100	-14.34748100	3.16214800 L
H-H_	16.57100300	-20.34174900	0.53851100 L
H-H_	14.45341200	-21.53833700	0.40948200 L
H-H_	17.20998700	-13.75010000	4.85440800 L
H-H_	18.30330700	-15.47142900	6.20563000 L
H-H_	-10.32355800	0.56937200	-11.13795900 L
H-H_	-12.07712200	-0.33306600	-12.54556200 L
H-H_	-14.73637600	2.64324600	-11.07094700 L
H-H_	-12.98071400	3.55303000	-9.69353600 L

H-H_	-9.70278200	3.41352800	-7.11554700 L
H-H_	-12.54962300	-3.61980800	-10.44286700 L
H-H_	-14.15107000	-1.81835100	-10.85826100 L
H-H_	-10.92198000	0.59689300	-7.91772600 L
H-H_	-11.86838300	-3.97466200	-14.60872100 L
H-H_	-13.55719800	-2.24508300	-15.02790400 L
H-H_	-7.82484100	2.67708700	-9.91427800 L
H-H_	-19.68495000	2.43345300	-14.75325900 L
H-H_	-19.87573800	0.19193700	-15.73450700 L
H-H_	-11.15279400	4.88631700	-10.81921700 L
H-H_	-6.17719900	1.26066400	-8.79475500 L
H-H_	-9.26197100	-0.83394600	-6.82466500 L
H-H_	-10.17625900	7.57450100	-7.68679400 L
H-H_	-13.12175900	-6.32196000	-12.58138700 L
H-H_	-6.87724700	-0.50097500	-7.28207900 L
H-H_	-9.48302700	5.69078700	-6.29419000 L
H-H_	-8.95765700	-6.12039900	-13.36012500 L
H-H_	-13.19999100	-8.52631900	-13.63638900 L
H-H_	-11.06130900	7.15407000	-9.90290400 L
H-H_	-7.93687000	-5.79359300	-9.02544700 L
H-H_	-9.64153300	-6.45682000	-10.64028100 L
H-H_	-10.07018900	-2.36823700	-11.74051800 L
H-H_	-9.05674300	-8.36182600	-14.36488700 L
H-H_	-11.17415100	-9.55971900	-14.49104200 L
H-H_	-8.41771200	-1.77085600	-10.04825800 L
H-H_	-7.32434600	-3.49286500	-8.69630400 L
H-H_	-9.80078500	-5.42821000	-2.91143700 L
H-H_	-11.55430600	-6.32991300	-4.31836300 L
H-H_	-14.21369600	-3.35297600	-2.84588900 L
H-H_	-12.45789400	-2.44523100	-1.46628200 L
H-H_	-9.17992400	-2.58258600	1.11233100 L
H-H_	-12.02689200	-9.61812300	-2.21702400 L
H-H_	-13.62829700	-7.81593200	-2.63173900 L
H-H_	-10.39920600	-5.40068800	0.30879500 L
H-H_	-11.34556700	-9.97151000	-6.38152100 L
H-H_	-13.03438200	-8.24193100	-6.80070400 L
H-H_	-7.30206800	-3.32049400	-1.68775600 L
H-H_	-19.16213500	-3.56339500	-6.52605900 L
H-H_	-19.35392000	-5.80491100	-7.50724400 L
H-H_	-10.62997900	-1.11053000	-2.59201700 L
H-H_	-5.65442600	-4.73691700	-0.56823300 L
H-H_	-8.73919700	-6.83152700	1.40185700 L
H-H_	-9.65248800	1.57692100	0.53966500 L
H-H_	-12.59898600	-12.31954100	-4.35486500 L

H-H_	-6.35356900	-6.49719600	0.94291500 L
H-H_	-8.96025400	-0.30679500	1.93233200 L
H-H_	-8.43488300	-12.11798000	-5.13360400 L
H-H_	-12.67712800	-14.52384700	-5.40845700 L
H-H_	-10.53949100	1.15722200	-1.67564100 L
H-H_	-7.41314100	-11.79190700	-0.79966600 L
H-H_	-9.11871800	-12.45366800	-2.41308100 L
H-H_	-9.54750400	-8.36587300	-3.51540700 L
H-H_	-8.53392300	-14.36008700	-6.13763300 L
H-H_	-10.65151400	-15.55667400	-6.26666200 L
H-H_	-7.89589500	-7.76770500	-1.82099500 L
H-H_	-6.80157700	-9.48903300	-0.46983600 L
H-H_	-9.27797000	-11.42505800	5.31576300 L
H-H_	-11.03153300	-12.32749500	3.90815900 L
H-H_	-13.69091800	-9.35197100	5.38068600 L
H-H_	-11.93517200	-8.44071900	6.75945400 L
H-H_	-8.65719300	-8.58090100	9.33817500 L
H-H_	-11.50303600	-15.61423700	6.01079100 L
H-H_	-13.10556600	-13.81424700	5.59410400 L
H-H_	-9.87639100	-11.39753600	8.53599500 L
H-H_	-10.82279400	-15.96909100	1.84500100 L
H-H_	-12.51160900	-14.23951200	1.42581800 L
H-H_	-6.77816500	-9.31728700	6.54079100 L
H-H_	-18.63936200	-9.56097600	1.70046300 L
H-H_	-18.83024200	-11.80113300	0.71775000 L
H-H_	-10.10720500	-7.10811200	5.63450500 L
H-H_	-5.13173700	-10.73596600	7.65693200 L
H-H_	-8.21642800	-12.82769600	9.62832500 L
H-H_	-9.13067000	-4.41992800	8.76692800 L
H-H_	-12.07617000	-18.31638900	3.87233500 L
H-H_	-5.83166200	-12.49399000	9.17158900 L
H-H_	-8.43743800	-6.30364300	10.15953100 L
H-H_	-7.91215700	-18.11488200	3.09218600 L
H-H_	-12.15431300	-20.52069400	2.81874300 L
H-H_	-10.01572000	-4.84035900	6.55081700 L
H-H_	-6.89128100	-17.78802200	7.42827500 L
H-H_	-8.59499300	-18.45056900	5.81264600 L
H-H_	-9.02460000	-14.36266600	4.71320400 L
H-H_	-8.01110700	-20.35693400	2.08956700 L
H-H_	-10.12869800	-21.55352200	1.96053800 L
H-H_	-7.37212400	-13.76528500	6.40546400 L
H-H_	-6.27880300	-15.48661500	7.75668600 L
H-H_	2.47884600	17.01076300	-3.65635100 L
H-H_	0.91296900	17.91041600	-2.03998200 L

H-H_	-1.90475300	14.93150800	-3.16692100 L
H-H_	-0.33720200	14.02366900	-4.75684800 L
H-H_	2.59147900	14.16627200	-7.72713600 L
H-H_	0.17687400	21.19641200	-4.06641800 L
H-H_	-1.35540400	19.39375200	-3.45261600 L
H-H_	1.48048500	16.98298800	-6.77515100 L
H-H_	1.37693900	21.55174800	-0.01853500 L
H-H_	-0.24575800	19.82289600	0.60807000 L
H-H_	4.80635200	14.90592000	-5.18738400 L
H-H_	-6.35057900	15.13403100	1.10678800 L
H-H_	-6.42231600	17.37606400	2.10386600 L
H-H_	1.62239200	12.69204200	-3.86941200 L
H-H_	6.29877500	16.32517900	-6.50010700 L
H-H_	2.98817600	18.41578400	-8.06808400 L
H-H_	2.19881100	10.00555100	-7.09914100 L
H-H_	-0.12534500	23.89938200	-1.87420000 L
H-H_	5.41172000	18.08284900	-7.91678100 L
H-H_	2.71114300	11.88786300	-8.56843900 L
H-H_	4.10399500	23.70238000	-1.62291100 L
H-H_	-0.07297300	26.10378000	-0.81615100 L
H-H_	1.59772700	10.42501000	-4.79067600 L
H-H_	4.57229000	23.37722800	-6.05086500 L
H-H_	3.08218000	24.03628100	-4.23649300 L
H-H_	2.80029000	19.94799300	-3.09074200 L
H-H_	4.12922900	25.94376200	-0.61349000 L
H-H_	2.04499300	27.13905900	-0.22222400 L
H-H_	4.22760000	19.35246000	-4.97874300 L
H-H_	5.14336900	21.07649800	-6.45537100 L
H-H_	3.00161900	11.01318100	4.57017000 L
H-H_	1.43578400	11.91356800	6.18721800 L
H-H_	-1.38202200	8.93319300	5.05892300 L
H-H_	0.18561300	8.02682100	3.47035200 L
H-H_	3.11433700	8.17015800	0.50074200 L
H-H_	0.69873400	15.20029700	4.16152300 L
H-H_	-0.83267300	13.39543700	4.77322800 L
H-H_	2.00321600	10.98467300	1.45069300 L
H-H_	1.90066300	15.55484700	8.20719200 L
H-H_	0.27805600	13.82604800	8.83520700 L
H-H_	5.32921400	8.90839300	3.04054800 L
H-H_	-5.82780600	9.13644900	9.33331000 L
H-H_	-5.89958500	11.37774900	10.32970900 L
H-H_	2.14516500	6.69446000	4.35710900 L
H-H_	6.82141700	10.32681000	1.72432600 L
H-H_	3.51090700	12.41746900	0.15775900 L

H-H_	2.72049300	4.00932800	1.12597900 L
H-H_	0.39751700	17.90185500	6.35373200 L
H-H_	5.93462000	12.08746800	0.31177500 L
H-H_	3.23400100	5.89174900	-0.34056100 L
H-H_	4.62690400	17.70417400	6.60575300 L
H-H_	0.44975400	20.10687800	7.40963900 L
H-H_	2.12058900	4.42748200	3.43725600 L
H-H_	5.09397600	17.37959200	2.17430900 L
H-H_	3.60608200	18.03948800	3.99205400 L
H-H_	3.32305900	13.95182500	5.13572600 L
H-H_	4.65190900	19.94754000	7.61156800 L
H-H_	2.56785600	21.14153200	8.00570800 L
H-H_	4.75041600	13.35561300	3.24845700 L
H-H_	5.66623100	15.07897100	1.77256100 L
H-H_	3.52434600	5.01627900	12.79596000 L
H-H_	1.95960200	5.91530700	14.41440900 L
H-H_	-0.85916400	2.93707900	13.28680100 L
H-H_	0.70847600	2.02929400	11.69828400 L
H-H_	3.63810800	2.17257700	8.72720100 L
H-H_	1.22245800	9.20339600	12.38724900 L
H-H_	-0.30986200	7.40000300	13.00037400 L
H-H_	2.52589600	4.98845100	9.67575000 L
H-H_	2.42243400	9.55867800	16.43372300 L
H-H_	0.80087600	7.82778800	17.06246100 L
H-H_	5.85293900	2.91149200	11.26627500 L
H-H_	-5.30608200	3.14096000	17.55910800 L
H-H_	-5.37572900	5.38163500	18.55752400 L
H-H_	2.66798100	0.69761300	12.58430900 L
H-H_	7.34427000	4.33210900	9.95215100 L
H-H_	4.03368100	6.41988800	8.38428100 L
H-H_	3.24426400	-1.98825300	9.35243800 L
H-H_	0.92029100	11.90427400	14.58025400 L
H-H_	6.45735100	6.08915300	8.53761900 L
H-H_	3.75668100	-0.10447300	7.88449700 L
H-H_	5.14962700	11.70868500	14.83148900 L
H-H_	0.97252700	14.10929700	15.63616100 L
H-H_	2.64336200	-1.57009900	11.66377800 L
H-H_	5.61674900	11.38201100	10.40083100 L
H-H_	4.12880900	12.04258600	12.21784400 L
H-H_	3.84583300	7.95424300	13.36224700 L
H-H_	5.17468200	13.94995800	15.83809000 L
H-H_	3.09062900	15.14395000	16.23223000 L
H-H_	5.27318900	7.35803100	11.47497900 L
H-H_	6.18900500	9.08138900	9.99908300 L

H-H_	2.40534700	0.68258800	-4.98106200 L
H-H_	0.83951200	1.58297500	-3.36401400 L
H-H_	-1.97829400	-1.39740000	-4.49230900 L
H-H_	-0.41065800	-2.30377200	-6.08088000 L
H-H_	2.51806500	-2.16043500	-9.05049000 L
H-H_	0.10246200	4.86970400	-5.38971000 L
H-H_	-1.42894500	3.06484400	-4.77800400 L
H-H_	1.40694400	0.65408100	-8.10054000 L
H-H_	1.30439100	5.22425400	-1.34404000 L
H-H_	-0.31821600	3.49545600	-0.71602500 L
H-H_	4.73294200	-1.42220000	-6.51068400 L
H-H_	-6.42407800	-1.19414300	-0.21792300 L
H-H_	-6.49585700	1.04715600	0.77847700 L
H-H_	1.54889300	-3.63613200	-5.19412300 L
H-H_	6.22514500	-0.00378300	-7.82690600 L
H-H_	2.91463500	2.08687600	-9.39347300 L
H-H_	2.12422100	-6.32126500	-8.42525300 L
H-H_	-0.19875500	7.57126200	-3.19750000 L
H-H_	5.33834800	1.75687500	-9.23945700 L
H-H_	2.63772900	-4.43884300	-9.89179300 L
H-H_	4.03063200	7.37358100	-2.94547900 L
H-H_	-0.14651800	9.77628500	-2.14159300 L
H-H_	1.52431700	-5.90311000	-6.11397600 L
H-H_	4.49770400	7.04899900	-7.37692300 L
H-H_	3.00981000	7.70889500	-5.55917800 L
H-H_	2.72678800	3.62123200	-4.41550700 L
H-H_	4.05563700	9.61694700	-1.93966400 L
H-H_	1.97158400	10.81093900	-1.54552400 L
H-H_	4.15414400	3.02502000	-6.30277500 L
H-H_	5.06995900	4.74837800	-7.77867100 L
H-H_	2.92807400	-5.31431300	3.24472800 L
H-H_	1.36333000	-4.41528500	4.86317600 L
H-H_	-1.45543600	-7.39351400	3.73556900 L
H-H_	0.11220400	-8.30129900	2.14705200 L
H-H_	3.04183600	-8.15801600	-0.82403100 L
H-H_	0.62618600	-1.12719700	2.83601700 L
H-H_	-0.90613400	-2.93059000	3.44914200 L
H-H_	1.92962400	-5.34214200	0.12451800 L
H-H_	1.82616200	-0.77191500	6.88249000 L
H-H_	0.20460400	-2.50280500	7.51122900 L
H-H_	5.25666700	-7.41910100	1.71504200 L
H-H_	-5.90235400	-7.18963300	8.00787600 L
H-H_	-5.97200100	-4.94895800	9.00629200 L
H-H_	2.07170900	-9.63298000	3.03307700 L

H-H_	6.74799800	-5.99848400	0.40091800 L
H-H_	3.43740900	-3.91070500	-1.16695100 L
H-H_	2.64799200	-12.31884600	-0.19879400 L
H-H_	0.32401900	1.57368100	5.02902200 L
H-H_	5.86107900	-4.24144000	-1.01361300 L
H-H_	3.16040900	-10.43506600	-1.66673600 L
H-H_	4.55335500	1.37809200	5.28025700 L
H-H_	0.37625500	3.77870400	6.08492800 L
H-H_	2.04709100	-11.90069200	2.11254500 L
H-H_	5.02047700	1.05141800	0.84959900 L
H-H_	3.53253700	1.71199300	2.66661100 L
H-H_	3.24956100	-2.37634900	3.81101500 L
H-H_	4.57841000	3.61936500	6.28685700 L
H-H_	2.49435700	4.81335800	6.68099800 L
H-H_	4.67691700	-2.97256200	1.92374600 L
H-H_	5.59273300	-1.24920300	0.44785100 L
H-H_	8.96421900	11.84965700	-8.85998600 L
H-H_	10.71873800	12.75136100	-7.45312400 L
H-H_	13.37707900	9.77651600	-8.92632000 L
H-H_	11.62128600	8.86594400	-10.30581900 L
H-H_	8.34430900	9.00471300	-12.88455000 L
H-H_	11.18924300	16.03810200	-9.55569300 L
H-H_	12.79177300	14.23811300	-9.13900600 L
H-H_	9.56268200	11.82286900	-12.07954000 L
H-H_	10.50904800	16.39227700	-5.38917000 L
H-H_	12.19776500	14.66547000	-4.97150500 L
H-H_	6.46537000	9.74115400	-10.08575600 L
H-H_	18.32461700	9.98416100	-5.24456900 L
H-H_	18.51635600	12.22635700	-4.26411600 L
H-H_	9.79341200	7.53197700	-9.17940600 L
H-H_	4.81799100	11.15915200	-11.20110200 L
H-H_	7.90267300	13.25370800	-13.17260200 L
H-H_	8.81592100	4.84452600	-12.31108800 L
H-H_	11.76228400	18.74161400	-7.41870000 L
H-H_	5.51778000	12.91780200	-12.71790100 L
H-H_	8.12364900	6.72609500	-13.70437900 L
H-H_	7.59831700	18.53942700	-6.63781900 L
H-H_	11.84060400	20.94602700	-6.36228800 L
H-H_	9.70292500	5.26422500	-10.09578200 L
H-H_	6.57662100	18.21267400	-10.97102500 L
H-H_	8.28215100	18.87511500	-9.35834200 L
H-H_	8.71085300	14.78585200	-8.25737300 L
H-H_	7.69740300	20.78085400	-5.63305800 L
H-H_	9.81485800	21.97806700	-5.50617100 L

H-H_	7.05824100	14.18909700	-9.95177500 L
H-H_	5.96496400	15.91116000	-11.30231900 L
H-H_	9.48699200	5.85207500	-0.63346500 L
H-H_	11.24055500	6.75451200	0.77413900 L
H-H_	13.89981000	3.77820100	-0.70047600 L
H-H_	12.14414800	2.86841700	-2.07788700 L
H-H_	8.86716700	3.00859900	-4.65667100 L
H-H_	11.71305700	10.04125500	-1.32855600 L
H-H_	13.31450400	8.23979800	-0.91316200 L
H-H_	10.08541300	5.82455400	-3.85369700 L
H-H_	11.03172800	10.39605500	2.83588700 L
H-H_	12.72058100	8.66862300	3.25569500 L
H-H_	6.98818600	3.74430600	-1.85855600 L
H-H_	18.84734400	3.98726000	2.98122100 L
H-H_	19.03912900	6.22877600	3.96240600 L
H-H_	10.31618500	1.53439600	-0.95288400 L
H-H_	5.34063300	5.16078300	-2.97666800 L
H-H_	8.42540400	7.25539300	-4.94675800 L
H-H_	9.33959900	-1.15169500	-4.08609400 L
H-H_	12.28514600	12.74408600	0.80923200 L
H-H_	6.04068000	6.92242100	-4.48934400 L
H-H_	8.64646100	0.73066000	-5.47723300 L
H-H_	8.12118300	12.54048600	1.59016700 L
H-H_	12.36328900	14.94839200	1.86282300 L
H-H_	10.22474200	-0.73262400	-1.86851900 L
H-H_	7.10025700	12.21571900	-2.74670800 L
H-H_	8.80401600	12.87758700	-1.13034700 L
H-H_	9.23366500	8.79041800	-0.03022700 L
H-H_	8.22003700	14.78531100	2.59126700 L
H-H_	10.33767400	15.98121900	2.72102900 L
H-H_	7.58109900	8.19298300	-1.72389700 L
H-H_	6.48777900	9.91431200	-3.07511900 L
H-H_	10.00967200	-0.14414700	7.59159300 L
H-H_	11.76337500	0.75625200	9.00139300 L
H-H_	14.42266800	-2.21791300	7.52740200 L
H-H_	12.66692100	-3.12916500	6.14863400 L
H-H_	9.38894200	-2.98898300	3.56991300 L
H-H_	12.23478500	4.04435300	6.89729700 L
H-H_	13.83731500	2.24436300	7.31398400 L
H-H_	10.60814000	-0.17234800	4.37209300 L
H-H_	11.55454300	4.39920700	11.06308700 L
H-H_	13.24335800	2.66962800	11.48227000 L
H-H_	7.50991400	-2.25259700	6.36729700 L
H-H_	19.37111100	-2.00890800	11.20762500 L

H-H_	19.56199200	0.23124800	12.19033800 L
H-H_	10.83900100	-4.46245200	7.27431500 L
H-H_	5.86348600	-0.83391800	5.25115600 L
H-H_	8.94817800	1.25781200	3.27976400 L
H-H_	9.86241900	-7.14995600	4.14116000 L
H-H_	12.80791900	6.74650500	9.03575300 L
H-H_	6.56341100	0.92410600	3.73649900 L
H-H_	9.16918700	-5.26624200	2.74855700 L
H-H_	8.64390600	6.54499800	9.81590200 L
H-H_	12.88606200	8.95081000	10.08934500 L
H-H_	10.74751600	-6.73020500	6.35800300 L
H-H_	7.62303000	6.21813800	5.47981300 L
H-H_	9.32674200	6.88068500	7.09544200 L
H-H_	9.75634900	2.79278200	8.19488400 L
H-H_	8.74285700	8.78705000	10.81852100 L
H-H_	10.86044700	9.98363800	10.94755000 L
H-H_	8.10387300	2.19540100	6.50262400 L
H-H_	7.01055300	3.91673100	5.15140200 L
H-H_	-15.61789200	11.83447100	-7.30893000 L
H-H_	-13.86337300	12.73617500	-5.90206800 L
H-H_	-11.20503200	9.76133000	-7.37526400 L
H-H_	-12.96082500	8.85075900	-8.75476300 L
H-H_	-16.23780200	8.98952800	-11.33349400 L
H-H_	-13.39286700	16.02291700	-8.00463700 L
H-H_	-11.79033700	14.22292700	-7.58795000 L
H-H_	-15.01942800	11.80768300	-10.52848400 L
H-H_	-14.07306300	16.37709100	-3.83811500 L
H-H_	-12.38434500	14.65028500	-3.42045000 L
H-H_	-18.11674000	9.72596800	-8.53470000 L
H-H_	-6.25749300	9.96897600	-3.69351300 L
H-H_	-6.06575400	12.21117200	-2.71306000 L
H-H_	-14.78869800	7.51679200	-7.62835000 L
H-H_	-19.76412000	11.14396600	-9.65004600 L
H-H_	-16.67943700	13.23852200	-11.62154600 L
H-H_	-15.76618900	4.82934100	-10.76003200 L
H-H_	-12.81982700	18.72642800	-5.86764500 L
H-H_	-19.06433000	12.90261600	-11.16684500 L
H-H_	-16.45846100	6.71090900	-12.15332300 L
H-H_	-16.98379400	18.52424100	-5.08676400 L
H-H_	-12.74150600	20.93084200	-4.81123300 L
H-H_	-14.87918600	5.24903900	-8.54472600 L
H-H_	-18.00548900	18.19748900	-9.41996900 L
H-H_	-16.29995900	18.85992900	-7.80728600 L
H-H_	-15.87125700	14.77066700	-6.70631700 L

H-H_	-16.88470700	20.76566800	-4.08200200 L
H-H_	-14.76725200	21.96288200	-3.95511500 L
H-H_	-17.52386900	14.17391100	-8.40072000 L
H-H_	-18.61714700	15.89597400	-9.75126300 L
H-H_	-15.09511800	5.83689000	0.91759100 L
H-H_	-13.34155500	6.73932700	2.32519500 L
H-H_	-10.68230100	3.76301500	0.85057900 L
H-H_	-12.43796300	2.85323100	-0.52683100 L
H-H_	-15.71494400	2.99341400	-3.10561600 L
H-H_	-12.86905400	10.02607000	0.22250000 L
H-H_	-11.26760600	8.22461200	0.63789400 L
H-H_	-14.49669700	5.80936800	-2.30264100 L
H-H_	-13.55038300	10.38086900	4.38694300 L
H-H_	-11.86153000	8.65343700	4.80675000 L
H-H_	-17.59392500	3.72912000	-0.30750000 L
H-H_	-5.73476700	3.97207400	4.53227600 L
H-H_	-5.54298100	6.21359000	5.51346200 L
H-H_	-14.26592500	1.51921000	0.59817100 L
H-H_	-19.24147800	5.14559700	-1.42561300 L
H-H_	-16.15670600	7.24020700	-3.39570200 L
H-H_	-15.24251100	-1.16688100	-2.53503800 L
H-H_	-12.29696400	12.72890100	2.36028800 L
H-H_	-18.54143000	6.90723600	-2.93828800 L
H-H_	-15.93565000	0.71547500	-3.92617700 L
H-H_	-16.46092700	12.52530100	3.14122200 L
H-H_	-12.21882200	14.93320600	3.41387900 L
H-H_	-14.35736800	-0.74780900	-0.31746300 L
H-H_	-17.48185400	12.20053400	-1.19565300 L
H-H_	-15.77809500	12.86240100	0.42070900 L
H-H_	-15.34844600	8.77523200	1.52082900 L
H-H_	-16.36207400	14.77012600	4.14232300 L
H-H_	-14.24443700	15.96603400	4.27208500 L
H-H_	-17.00101100	8.17779700	-0.17284100 L
H-H_	-18.09433100	9.89912700	-1.52406400 L
H-H_	-14.57243800	-0.15933200	9.14264900 L
H-H_	-12.81873500	0.74106600	10.55244900 L
H-H_	-10.15944300	-2.23309900	9.07845800 L
H-H_	-11.91518900	-3.14435000	7.69969000 L
H-H_	-15.19316900	-3.00416800	5.12096900 L
H-H_	-12.34732500	4.02916700	8.44835300 L
H-H_	-10.74479500	2.22917800	8.86504000 L
H-H_	-13.97397100	-0.18753300	5.92314900 L
H-H_	-13.02756700	4.38402100	12.61414300 L
H-H_	-11.33875200	2.65444300	13.03332600 L

H-H_	-17.07219600	-2.26778200	7.91835300 L
H-H_	-5.21100000	-2.02409300	12.75868100 L
H-H_	-5.02011900	0.21606300	13.74139400 L
H-H_	-13.74310900	-4.47763700	8.82537100 L
H-H_	-18.71862400	-0.84910400	6.80221200 L
H-H_	-15.63393300	1.24262600	4.83081900 L
H-H_	-14.71969100	-7.16514200	5.69221600 L
H-H_	-11.77419100	6.73132000	10.58680900 L
H-H_	-18.01869900	0.90892100	5.28755500 L
H-H_	-15.41292300	-5.28142700	4.29961200 L
H-H_	-15.93820500	6.52981200	11.36695800 L
H-H_	-11.69604900	8.93562500	11.64040000 L
H-H_	-13.83459500	-6.74539000	7.90905900 L
H-H_	-16.95908000	6.20295300	7.03086900 L
H-H_	-15.25536800	6.86550000	8.64649800 L
H-H_	-14.82576200	2.77759700	9.74594000 L
H-H_	-15.83925400	8.77186500	12.36957700 L
H-H_	-13.72166300	9.96845300	12.49860600 L
H-H_	-16.47823800	2.18021600	8.05368000 L
H-H_	-17.57155800	3.90154500	6.70245800 L
H-H_	8.89072000	-4.47851700	-10.18469700 L
H-H_	10.64428400	-3.57608000	-8.77709300 L
H-H_	13.30353800	-6.55239200	-10.25170900 L
H-H_	11.54787600	-7.46217600	-11.62912000 L
H-H_	8.27089500	-7.32199400	-14.20790400 L
H-H_	11.11678500	-0.28933800	-10.87978800 L
H-H_	12.71823200	-2.09079500	-10.46439500 L
H-H_	9.48914100	-4.50603900	-13.40492900 L
H-H_	10.43545600	0.06546200	-6.71534500 L
H-H_	12.12430900	-1.66197000	-6.29553800 L
H-H_	6.39191400	-6.58628700	-11.40978800 L
H-H_	18.25107200	-6.34333300	-6.57001200 L
H-H_	18.44285800	-4.10181700	-5.58882600 L
H-H_	9.71991400	-8.79619700	-10.50411700 L
H-H_	4.74436100	-5.16981000	-12.52790100 L
H-H_	7.82913200	-3.07520000	-14.49799000 L
H-H_	8.74332800	-11.48228800	-13.63732600 L
H-H_	11.68887400	2.41349400	-8.74200100 L
H-H_	5.44440900	-3.40817100	-14.04057600 L
H-H_	8.05018900	-9.59993200	-15.02846500 L
H-H_	7.52491200	2.20989400	-7.96106600 L
H-H_	11.76701700	4.61779900	-7.68840900 L
H-H_	9.62847100	-11.06321600	-11.41975100 L
H-H_	6.50398500	1.88512700	-12.29794100 L

H-H_	8.20774400	2.54699400	-10.68157900 L
H-H_	8.63739300	-1.54017500	-9.58145900 L
H-H_	7.62376500	4.45471800	-6.95996500 L
H-H_	9.74140200	5.65062700	-6.83020300 L
H-H_	6.98482800	-2.13761000	-11.27512900 L
H-H_	5.89150800	-0.41628100	-12.62635200 L
H-H_	9.41340000	-10.47474000	-1.95963900 L
H-H_	11.16710400	-9.57434100	-0.54983900 L
H-H_	13.82639600	-12.54850600	-2.02383100 L
H-H_	12.07064900	-13.45975700	-3.40259800 L
H-H_	8.79267000	-13.31957600	-5.98131900 L
H-H_	11.63851400	-6.28624000	-2.65393600 L
H-H_	13.24104400	-8.08623000	-2.23724800 L
H-H_	10.01186800	-10.50294100	-5.17914000 L
H-H_	10.95827100	-5.93138600	1.51185500 L
H-H_	12.64708700	-7.66096500	1.93103800 L
H-H_	6.91364200	-12.58318900	-3.18393500 L
H-H_	18.77483900	-12.33950100	1.65639300 L
H-H_	18.96572000	-10.09934400	2.63910600 L
H-H_	10.24272900	-14.79304500	-2.27691700 L
H-H_	5.26721500	-11.16451100	-4.30007600 L
H-H_	8.35190600	-9.07278100	-6.27146900 L
H-H_	9.26614800	-17.48054900	-5.41007200 L
H-H_	12.21164700	-3.58408800	-0.51547900 L
H-H_	5.96713900	-9.40648600	-5.81473300 L
H-H_	8.57291600	-15.59683400	-6.80267600 L
H-H_	8.04763400	-3.78559500	0.26467000 L
H-H_	12.28979000	-1.37978200	0.53811200 L
H-H_	10.15124400	-17.06079800	-3.19323000 L
H-H_	7.02675800	-4.11245500	-4.07141900 L
H-H_	8.73047000	-3.44990800	-2.45579000 L
H-H_	9.16007700	-7.53781100	-1.35634800 L
H-H_	8.14658500	-1.54354300	1.26728900 L
H-H_	10.26417500	-0.34695500	1.39631800 L
H-H_	7.50760100	-8.13519200	-3.04860800 L
H-H_	6.41428100	-6.41386200	-4.39983000 L
H-H_	-15.69139000	-4.49370300	-8.63364100 L
H-H_	-13.93782700	-3.59126600	-7.22603700 L
H-H_	-11.27857300	-6.56757700	-8.70065300 L
H-H_	-13.03423400	-7.47736100	-10.07806400 L
H-H_	-16.31121600	-7.33717900	-12.65684800 L
H-H_	-13.46532600	-0.30452300	-9.32873200 L
H-H_	-11.86387800	-2.10598000	-8.91333900 L
H-H_	-15.09296900	-4.52122400	-11.85387300 L

H-H_	-14.14665500	0.05027600	-5.16428900 L
H-H_	-12.45780200	-1.67715600	-4.74448200 L
H-H_	-18.19019700	-6.60147200	-9.85873200 L
H-H_	-6.33103900	-6.35851900	-5.01895600 L
H-H_	-6.13925300	-4.11700200	-4.03777000 L
H-H_	-14.86219700	-8.81138200	-8.95306100 L
H-H_	-19.83775000	-5.18499500	-10.97684500 L
H-H_	-16.75297800	-3.09038500	-12.94693500 L
H-H_	-15.83878300	-11.49747400	-12.08627000 L
H-H_	-12.89323600	2.39830800	-7.19094500 L
H-H_	-19.13770200	-3.42335700	-12.48952100 L
H-H_	-16.53192200	-9.61511800	-13.47740900 L
H-H_	-17.05719900	2.19470800	-6.41001000 L
H-H_	-12.81509400	4.60261400	-6.13735300 L
H-H_	-14.95364000	-11.07840200	-9.86869500 L
H-H_	-18.07812600	1.86994100	-10.74688500 L
H-H_	-16.37436700	2.53180900	-9.13052400 L
H-H_	-15.94471800	-1.55536100	-8.03040300 L
H-H_	-16.95834600	4.43953300	-5.40890900 L
H-H_	-14.84070800	5.63544100	-5.27914800 L
H-H_	-17.59728300	-2.15279600	-9.72407400 L
H-H_	-18.69060300	-0.43146600	-11.07529600 L
H-H_	-15.16871000	-10.48992500	-0.40858300 L
H-H_	-13.41500700	-9.58952700	1.00121700 L
H-H_	-10.75571500	-12.56369100	-0.47277500 L
H-H_	-12.51146100	-13.47494300	-1.85154200 L
H-H_	-15.78944000	-13.33476100	-4.43026300 L
H-H_	-12.94359700	-6.30142500	-1.10288000 L
H-H_	-11.34106700	-8.10141500	-0.68619300 L
H-H_	-14.57024200	-10.51812600	-3.62808400 L
H-H_	-13.62383900	-5.94657100	3.06291100 L
H-H_	-11.93502400	-7.67615000	3.48209400 L
H-H_	-17.66846800	-12.59837500	-1.63287900 L
H-H_	-5.80727200	-12.35468600	3.20744900 L
H-H_	-5.61639100	-10.11453000	4.19016200 L
H-H_	-14.33938100	-14.80823000	-0.72586100 L
H-H_	-19.31489600	-11.17969600	-2.74902100 L
H-H_	-16.23020500	-9.08796700	-4.72041300 L
H-H_	-15.31596300	-17.49573500	-3.85901600 L
H-H_	-12.37046300	-3.59927300	1.03557700 L
H-H_	-18.61497100	-9.42167200	-4.26367700 L
H-H_	-16.00919500	-15.61202000	-5.25162000 L
H-H_	-16.53447700	-3.80078000	1.81572600 L
H-H_	-12.29232100	-1.39496800	2.08916800 L

H-H_	-14.43086700	-17.07598300	-1.64217400 L
H-H_	-17.55535200	-4.12764000	-2.52036300 L
H-H_	-15.85164000	-3.46509300	-0.90473400 L
H-H_	-15.42203300	-7.55299600	0.19470800 L
H-H_	-16.43552600	-1.55872800	2.81834500 L
H-H_	-14.31793500	-0.36214000	2.94737400 L
H-H_	-17.07451000	-8.15037700	-1.49755200 L
H-H_	-18.16783000	-6.42904800	-2.84877400 L
H-H_	-3.24191400	5.73885800	-6.79036100 L
H-H_	-1.67607900	4.83847200	-8.40740900 L
H-H_	1.14172700	7.81884600	-7.27911400 L
H-H_	-0.42590800	8.72521800	-5.69054300 L
H-H_	-3.35567600	8.58256100	-2.72160200 L
H-H_	-0.93902800	1.55174300	-6.38171400 L
H-H_	0.59237900	3.35660200	-6.99341900 L
H-H_	-2.24351100	5.76736600	-3.67088400 L
H-H_	-2.14004900	1.19714000	-10.42885600 L
H-H_	-0.51844300	2.92735000	-11.05686300 L
H-H_	-5.57059500	7.84359200	-5.26208600 L
H-H_	5.58751600	7.61417700	-11.55344700 L
H-H_	5.65920600	5.37282400	-12.55125700 L
H-H_	-2.38550200	10.05684600	-6.57797900 L
H-H_	-7.06171100	6.42523000	-3.94451700 L
H-H_	-3.75120200	4.33457000	-2.37795000 L
H-H_	-2.96187800	12.74407000	-3.34757100 L
H-H_	-0.63785800	-1.14913600	-8.57465500 L
H-H_	-6.17491500	4.66457200	-2.53196600 L
H-H_	-3.47424900	10.85961100	-1.87889800 L
H-H_	-4.86706300	-0.95276000	-8.82380200 L
H-H_	-0.69014200	-3.35347900	-9.63129400 L
H-H_	-2.36088400	12.32455700	-5.65744700 L
H-H_	-5.33531500	-0.62687400	-4.39516900 L
H-H_	-3.84628800	-1.28739400	-6.21083500 L
H-H_	-3.56340100	2.80089500	-7.35664900 L
H-H_	-4.89229600	-3.19414100	-9.83322300 L
H-H_	-2.80806100	-4.38943800	-10.22448900 L
H-H_	-4.99079900	3.39637300	-5.47005800 L
H-H_	-5.90647900	1.67238900	-3.99202000 L
H-H_	-2.78295400	-0.26847100	1.52143600 H
H-H_	-1.25815600	-1.18003200	-0.13075900 H
H-H_	1.64334800	1.79270900	0.89634200 H
H-H_	0.10073900	2.74074400	2.54062100 H
H-H_	-2.63633500	2.67136300	5.58370200 H
H-H_	-0.62947700	-4.48115600	1.76932100 H

H-H_	0.89884300	-2.62266900	1.21425100 H
H-H_	-1.66643400	-0.03459400	4.84556600 H
H-H_	-1.37096300	-5.10171200	-2.38556400 H
H-H_	0.12745500	-3.22815500	-2.93906500 H
H-H_	-5.00662500	1.83048400	2.94799600 H
H-H_	5.99819600	1.62816700	-3.36863400 H
H-H_	6.10502200	-0.64386600	-4.32470700 H
H-H_	-1.98339200	3.96645700	1.55232900 H
H-H_	-6.55327200	0.39255500	4.25367900 H
H-H_	-3.20328900	-1.43531500	6.18348700 H
H-H_	-2.35111600	6.84897800	4.70724900 H
H-H_	0.02903900	-7.24040700	-0.53089700 H
H-H_	-5.64415100	-1.25485500	5.86318900 H
H-H_	-2.65046800	5.01291300	6.33624600 H
H-H_	-4.24866200	-7.22212600	-0.73817200 H
H-H_	0.07323300	-9.46177000	-1.60191900 H
H-H_	-1.97364200	6.31046000	2.30870000 H
H-H_	-4.57652400	-7.18873200	3.68760700 H
H-H_	-3.09223400	-7.63127800	1.79057200 H
H-H_	-3.20586400	-3.48057600	0.73479200 H
H-H_	-4.20987300	-9.46209100	-1.77338300 H
H-H_	-2.04471100	-10.59860900	-2.20651800 H
H-H_	-4.66624600	-3.03118700	2.66293600 H
H-H_	-5.36527800	-4.88547300	4.16469000 H
H-H_	-2.19632500	-6.25557100	9.66336000 L
H-H_	-0.63049000	-7.15595700	8.04631300 L
H-H_	2.18718500	-4.17637000	9.17251900 L
H-H_	0.61954500	-3.26858500	10.76103600 L
H-H_	-2.31008700	-3.41186800	13.73211900 L
H-H_	0.10556300	-10.44268700	10.07207100 L
H-H_	1.63788300	-8.63929400	9.45894600 L
H-H_	-1.19787500	-6.22774200	12.78357000 L
H-H_	-1.09441300	-10.79796900	6.02559800 L
H-H_	0.52714500	-9.06707900	5.39685900 L
H-H_	-4.52491800	-4.15078300	11.19304600 L
H-H_	6.63410300	-4.38025100	4.90021200 L
H-H_	6.70375000	-6.62092600	3.90179600 L
H-H_	-1.33991300	-1.93758400	9.87574300 L
H-H_	-6.01624900	-5.57140000	12.50717000 L
H-H_	-2.70566000	-7.65917900	14.07503900 L
H-H_	-1.91629000	0.74964100	13.10615000 L
H-H_	0.40773000	-13.14356500	7.87906600 L
H-H_	-5.12933000	-7.32844400	13.92170100 L
H-H_	-2.42866000	-1.13481800	14.57482400 L

H-H_	-3.82160600	-12.94797600	7.62783100 L
H-H_	0.35549400	-15.34858800	6.82316000 L
H-H_	-1.31529500	0.33012800	10.79627500 L
H-H_	-4.28872800	-12.62130200	12.05848900 L
H-H_	-2.80078800	-13.28187700	10.24147700 L
H-H_	-2.51781200	-9.19353500	9.09707300 L
H-H_	-3.84666100	-15.18925000	6.62123100 L
H-H_	-1.76260800	-16.38324200	6.22709100 L
H-H_	-3.94516800	-8.59732300	10.98434200 L
H-H_	-4.86098400	-10.32068100	12.46023700 L
H-H_	-3.31541200	-10.58931600	-8.11507200 L
H-H_	-1.74948800	-11.48964800	-9.73070900 L
H-H_	1.06718400	-8.50864900	-8.60449400 L
H-H_	-0.49936000	-7.60363500	-7.01452200 L
H-H_	-3.42909000	-7.74414600	-4.04495600 L
H-H_	-1.01248000	-14.77711100	-7.70569200 L
H-H_	0.51883800	-12.97230500	-8.31880800 L
H-H_	-2.31700900	-10.56080800	-4.99559400 L
H-H_	-2.21350500	-15.13030100	-11.75288800 L
H-H_	-0.59190000	-13.40009000	-12.38089500 L
H-H_	-5.64409400	-8.48458200	-6.58679700 L
H-H_	5.51406000	-8.71326400	-12.87747900 L
H-H_	5.58583900	-10.95456300	-13.87387800 L
H-H_	-2.45895800	-6.27059500	-7.90201100 L
H-H_	-7.13521000	-9.90294400	-5.26922800 L
H-H_	-3.82470000	-11.99360400	-3.70266100 L
H-H_	-3.03537700	-3.58410400	-4.67228200 L
H-H_	-0.71135700	-17.47731000	-9.89936600 L
H-H_	-6.24950500	-11.66224400	-3.85807800 L
H-H_	-3.54774700	-5.46856300	-3.20360900 L
H-H_	-4.94056200	-17.28093400	-10.14851200 L
H-H_	-0.76359400	-19.68233300	-10.95527300 L
H-H_	-2.43429300	-4.00356300	-6.98074700 L
H-H_	-5.40885600	-16.95578100	-5.72055800 L
H-H_	-3.91874600	-17.61483400	-7.53493000 L
H-H_	-3.63694200	-13.52801300	-8.68203800 L
H-H_	-4.96574800	-19.52299500	-11.15720200 L
H-H_	-2.88169500	-20.71698700	-11.55134200 L
H-H_	-5.06421300	-12.93033400	-6.79341200 L
H-H_	-5.98002900	-14.65369200	-5.31751700 L
H-H_	-2.79259700	-16.58616300	0.11212800 L
H-H_	-1.22676200	-17.48655000	-1.50491900 L
H-H_	1.59091300	-14.50696300	-0.37871300 L
H-H_	0.02327300	-13.59917800	1.20980400 L

H-H_	-2.90635900	-13.74246100	4.18088700 L
H-H_	-0.49070900	-20.77328000	0.52083900 L
H-H_	1.04161100	-18.96988700	-0.09228600 L
H-H_	-1.79414700	-16.55833500	3.23233800 L
H-H_	-1.69068500	-21.12856200	-3.52563500 L
H-H_	-0.06912600	-19.39767200	-4.15437300 L
H-H_	-5.12118900	-14.48137600	1.64181300 L
H-H_	6.03783100	-14.71084400	-4.65102000 L
H-H_	6.10747900	-16.95151900	-5.64943600 L
H-H_	-1.93618500	-12.26817600	0.32451100 L
H-H_	-6.61252100	-15.90199300	2.95593700 L
H-H_	-3.30193100	-17.98977200	4.52380700 L
H-H_	-2.51256100	-9.58095200	3.55491800 L
H-H_	-0.18854100	-23.47415800	-1.67216600 L
H-H_	-5.72560200	-17.65903700	4.37046900 L
H-H_	-3.02493200	-11.46541100	5.02359100 L
H-H_	-4.41787700	-23.27856900	-1.92340100 L
H-H_	-0.24077800	-25.67918100	-2.72807300 L
H-H_	-1.91156700	-10.00046500	1.24504300 L
H-H_	-4.88500000	-22.95189500	2.50725700 L
H-H_	-3.39706000	-23.61247000	0.69024400 L
H-H_	-3.11408400	-19.52412700	-0.45415900 L
H-H_	-4.44293300	-25.51984200	-2.93000200 L
H-H_	-2.35888000	-26.71383500	-3.32414200 L
H-H_	-4.54144000	-18.92791500	1.43310900 L
H-H_	-5.45725500	-20.65127300	2.90900500 L

Cartesian coordinates of S₀ state of optimized CNQ-f-TPA in toluene:

C	-6.72452400	7.14498100	-2.62707000
H	-5.91470600	7.50135500	-3.25351000
C	-8.66202400	7.57033300	-1.27578200
H	-9.36754600	8.26247100	-0.83012300
C	-7.62440700	8.04592500	-2.06916100
H	-7.51804200	9.10881700	-2.25147400
C	-6.86224700	5.78258700	-2.40411500
C	-7.89714600	5.30552100	-1.59737200
H	-6.16840000	5.08134900	-2.85251100
N	-8.04263500	3.91822100	-1.36560400
C	-8.79634500	6.21102500	-1.03182500
C	-6.93230400	3.12633900	-1.06428200
C	-9.33634800	3.34887500	-1.40390700
H	-9.59839600	5.84311900	-0.40301900
C	-6.87670000	1.78896200	-1.47890900

C	-5.84804600	3.64772000	-0.34517900
C	-10.21627400	3.67336700	-2.43778600
C	-9.75415700	2.47359000	-0.39981800
H	-7.68847000	1.37881600	-2.06654600
C	-5.79297400	0.99520000	-1.15738100
H	-5.87035100	4.67855900	-0.01468100
C	-4.75790700	2.85451400	-0.04891400
C	-11.49424500	3.13353000	-2.46020000
H	-9.89222800	4.35146500	-3.21837000
H	-9.07683400	2.22831900	0.40966500
C	-11.02917300	1.92734700	-0.43713900
C	-4.71475900	1.50688400	-0.42578400
H	-5.77357300	-0.02834100	-1.50985400
H	-3.92159900	3.27060100	0.49921600
H	-12.16753400	3.39418900	-3.26896300
C	-11.90717200	2.25566000	-1.46414300
H	-11.34006800	1.25330100	0.35319400
C	-3.50994100	0.71955300	-0.12680400
H	-12.90565900	1.83481100	-1.48628900
N	-2.38118300	1.38386100	-0.13340400
C	-3.50993500	-0.71949700	0.12690700
C	-1.21653800	0.71128100	-0.02152700
N	-2.38117700	-1.38380600	0.13346200
C	-4.71474700	-1.50684400	0.42587200
C	-1.21653600	-0.71122400	0.02154600
C	-0.00002800	1.41357700	0.00000000
C	-5.79296100	-0.99518900	1.15749100
C	-4.75788700	-2.85446400	0.04896700
C	-0.00002600	-1.41351900	-0.00001700
C	1.21648300	0.71128200	0.02151800
C	-0.00002900	2.83755000	0.00000900
C	-6.87667700	-1.78896900	1.47900800
H	-5.77356500	0.02834100	1.50999400
H	-3.92158000	-3.27053000	-0.49918000
C	-5.84801700	-3.64768800	0.34521900
C	1.21648400	-0.71122200	-0.02157300
C	-0.00002500	-2.83749200	-0.00002700
N	-0.00003000	3.99487600	0.00001700
H	-7.68844500	-1.37884700	2.06666400
C	-6.93227200	-3.12633600	1.06434500
H	-5.87031500	-4.67851900	0.01469500
N	-0.00002300	-3.99481800	-0.00003400
N	-8.04259300	-3.91823800	1.36565700
C	-9.33631300	-3.34890800	1.40398400

C	-7.89708400	-5.30554000	1.59739400
C	-9.75413700	-2.47359800	0.39992200
C	-10.21622900	-3.67344000	2.43785800
C	-8.79627500	-6.21104400	1.03183300
C	-6.86217400	-5.78261000	2.40412000
H	-9.07682200	-2.22829500	-0.40955700
C	-11.02915900	-1.92737000	0.43726800
H	-9.89217100	-4.35155700	3.21842000
C	-11.49420600	-3.13361800	2.46029500
H	-9.59833500	-5.84313500	0.40303900
C	-8.66193400	-7.57035600	1.27575900
H	-6.16833400	-5.08137300	2.85252700
C	-6.72443100	-7.14500700	2.62704500
H	-11.34006600	-1.25330500	-0.35304400
C	-11.90714900	-2.25572400	1.46426700
H	-12.16748700	-3.39430900	3.26905400
C	-7.62430500	-8.04595100	2.06912200
H	-9.36744900	-8.26249300	0.83009000
H	-5.91460400	-7.50138300	3.25347200
H	-12.90564100	-1.83488700	1.48643100
H	-7.51792500	-9.10884500	2.25141000
C	6.72461700	7.14492100	2.62709300
H	5.91481600	7.50130500	3.25354900
C	8.66210300	7.57024700	1.27577600
H	9.36763300	8.26237400	0.83011400
C	7.62450900	8.04585300	2.06917800
H	7.51816900	9.10874400	2.25150200
C	6.86230800	5.78252600	2.40412100
C	7.89718300	5.30544700	1.59735700
H	6.16845400	5.08129900	2.85252200
N	8.04263900	3.91814700	1.36557100
C	8.79639200	6.21093800	1.03180400
C	6.93228500	3.12629000	1.06426600
C	9.33634000	3.34877100	1.40383900
H	9.59842600	5.84302200	0.40298000
C	6.87666700	1.78890900	1.47887800
C	5.84802400	3.64769800	0.34518800
C	10.21630300	3.67324000	2.43769400
C	9.75409700	2.47347100	0.39974000
H	7.68844200	1.37874300	2.06649400
C	5.79292700	0.99516700	1.15735300
H	5.87034100	4.67854000	0.01470200
C	4.75786800	2.85451200	0.04892900
C	11.49425900	3.13336600	2.46007400

H	9.89229700	4.35134800	3.21828500
H	9.07674500	2.22821600	-0.40972300
C	11.02909900	1.92719100	0.43702900
C	4.71470800	1.50687700	0.42578000
H	5.77351800	-0.02838000	1.50980800
H	3.92155900	3.27061800	-0.49918500
H	12.16757700	3.39400800	3.26881800
C	11.90713500	2.25548200	1.46400800
H	11.33995200	1.25313300	-0.35331000
C	3.50988600	0.71955600	0.12679200
H	12.90561000	1.83460400	1.48612900
N	2.38112800	1.38386400	0.13340200
C	3.50988200	-0.71949000	-0.12693300
N	2.38112600	-1.38380200	-0.13349500
C	4.71470200	-1.50682700	-0.42589200
C	5.79292200	-0.99515000	-1.15748700
C	4.75785300	-2.85444900	-0.04899600
C	6.87665500	-1.78891200	-1.47899000
H	5.77351900	0.02838300	-1.50998000
H	3.92154200	-3.27053100	0.49913300
C	5.84800200	-3.64765400	-0.34523200
H	7.68842900	-1.37877300	-2.06662500
C	6.93226400	-3.12627900	-1.06433200
H	5.87031100	-4.67848600	-0.01471200
N	8.04261000	-3.91815600	-1.36561600
C	9.33631500	-3.34879200	-1.40391200
C	7.89714100	-5.30546200	-1.59735600
C	9.75408800	-2.47346600	-0.39984300
C	10.21626700	-3.67330000	-2.43776400
C	8.79634700	-6.21094300	-1.03178100
C	6.86225500	-5.78256000	-2.40409700
H	9.07674500	-2.22818100	0.40961800
C	11.02909400	-1.92719800	-0.43715900
H	9.89224800	-4.35142900	-3.21833300
C	11.49422700	-3.13343800	-2.46017200
H	9.59838800	-5.84301200	-0.40297500
C	8.66204500	-7.57025800	-1.27570900
H	6.16840300	-5.08134100	-2.85251500
C	6.72455200	-7.14496100	-2.62702400
H	11.33995900	-1.25311800	0.35315700
C	11.90711800	-2.25552700	-1.46413600
H	12.16753600	-3.39411000	-3.26891300
C	7.62444200	-8.04588100	-2.06908700
H	9.36757300	-8.26237600	-0.83002900

H	5.91474400	-7.50135800	-3.25346300
H	12.90559700	-1.83465900	-1.48627700
H	7.51809200	-9.10877800	-2.25137600

Cartesian coordinates of S₀ state of optimized CNQ-f-TPA in crystal:

C-C_R	-9.92631700	-23.64804800	-6.54387600 L
H-H_	-10.20155300	-22.63636900	-6.82185500 L
C-C_R	-10.53676800	-25.85094500	-5.80831300 L
H-H_	-11.28793500	-26.56510000	-5.49420600 L
C-C_R	-10.90597100	-24.55624600	-6.15539900 L
H-H_	-11.94701000	-24.25699600	-6.12285100 L
C-C_R	-8.59414300	-24.02599400	-6.59366100 L
C-C_R	-8.22084100	-25.32648100	-6.23679200 L
H-H_	-7.83591400	-23.32046000	-6.90867100 L
N-N_R	-6.86701600	-25.71262400	-6.27708800 L
C-C_R	-9.20505500	-26.23483800	-5.84036600 L
C-C_R	-5.86822000	-24.82176600	-5.84926500 L
C-C_R	-6.51433900	-26.99532100	-6.73358800 L
H-H_	-8.91676900	-27.23949300	-5.55174000 L
C-C_R	-4.65011800	-24.74229800	-6.53477100 L
C-C_R	-6.07398300	-23.99557600	-4.73919400 L
C-C_R	-7.16675100	-27.56002600	-7.83554100 L
C-C_R	-5.50869600	-27.72356400	-6.09003400 L
H-H_	-4.50017600	-25.34547300	-7.42177900 L
C-C_R	-3.65878200	-23.88444700	-6.10157500 L
H-H_	-7.01399900	-24.04425300	-4.20277400 L
C-C_R	-5.08247600	-23.12660000	-4.32228200 L
C-C_R	-6.82056200	-28.82874000	-8.27359000 L
H-H_	-7.93842600	-26.99460800	-8.34286000 L
H-H_	-5.00827500	-27.29214700	-5.23118200 L
C-C_R	-5.16353000	-28.98588200	-6.54288400 L
C-C_R	-3.84588900	-23.07332100	-4.97531600 L
H-H_	-2.73429600	-23.82031200	-6.66118600 L
H-H_	-5.24851900	-22.47396700	-3.47522000 L
H-H_	-7.33242600	-29.25244500	-9.13054900 L
C-C_R	-5.81683500	-29.54875300	-7.63499700 L
H-H_	-4.38520900	-29.53846100	-6.02973300 L
C-C_R	-2.82785200	-22.11344000	-4.51217200 L
H-H_	-5.55017100	-30.53970300	-7.98225000 L
N-N_R	-3.31386000	-20.97583800	-4.03442900 L
C-C_R	-1.42027500	-22.31643100	-4.59595500 L
C-C_R	-2.47233500	-19.98129100	-3.73349400 L

N-N_R	-0.58389000	-21.30745600	-4.39329200 L
C-C_R	-0.77141300	-23.61539900	-4.85192000 L
C-C_R	-1.06918000	-20.12543400	-4.00180700 L
C-C_R	-2.96505800	-18.77768700	-3.17751000 L
C-C_R	-1.28805300	-24.82372700	-4.36689800 L
C-C_R	0.45135600	-23.64654500	-5.53244000 L
C-C_R	-0.19924500	-19.02394800	-3.82635000 L
C-C_R	-2.08410100	-17.69605900	-2.94329000 L
C-C_R	-4.34017200	-18.65547600	-2.85480300 L
C-C_R	-0.63176200	-26.01877700	-4.58556600 L
H-H_	-2.20154400	-24.82086100	-3.78504000 L
H-H_	0.87694100	-22.71175500	-5.87566100 L
C-C_R	1.10561000	-24.84067900	-5.77138100 L
C-C_R	-0.70445000	-17.80014300	-3.32719200 L
C-C_R	1.17520600	-19.14528800	-4.14816200 L
N-N_R	-5.46518800	-18.55599600	-2.59062200 L
H-H_	-1.03272400	-26.94116000	-4.18368600 L
C-C_R	0.56720100	-26.04618800	-5.30633900 L
H-H_	2.03617600	-24.84792200	-6.32516400 L
N-N_R	2.30085900	-19.24553300	-4.41224500 L
N-N_R	1.22216600	-27.26502400	-5.54863900 L
C-C_R	0.47220400	-28.41390500	-5.86279800 L
C-C_R	2.62803700	-27.33702800	-5.48860800 L
C-C_R	-0.63825000	-28.32266400	-6.70910300 L
C-C_R	0.82891800	-29.65946400	-5.33821200 L
C-C_R	3.33740300	-28.10200300	-6.41825300 L
C-C_R	3.32772900	-26.64000500	-4.49828100 L
H-H_	-0.91160700	-27.36002000	-7.12562800 L
C-C_R	-1.37479300	-29.45427600	-7.01672700 L
H-H_	1.68179000	-29.73264100	-4.67453700 L
C-C_R	0.09175000	-30.78835200	-5.66123700 L
H-H_	2.79942300	-28.63252000	-7.19395700 L
C-C_R	4.72039100	-28.17239200	-6.34993000 L
H-H_	2.77923600	-26.05234800	-3.77178100 L
C-C_R	4.71107100	-26.70595500	-4.44853700 L
H-H_	-2.22925400	-29.36641200	-7.67799900 L
C-C_R	-1.01519100	-30.69447500	-6.49968700 L
H-H_	0.37751000	-31.74707800	-5.24380800 L
C-C_R	5.41571900	-27.47238300	-5.36909100 L
H-H_	5.25857700	-28.76507300	-7.07917200 L
H-H_	5.23991500	-26.15988100	-3.67574900 L
H-H_	-1.58790700	-31.57961800	-6.74712700 L
H-H_	6.49780700	-27.52449300	-5.32356000 L
C-C_R	-6.80352000	-12.94746600	2.72126800 L

H-H_	-7.09174800	-13.90825900	3.13119000 L
C-C_R	-7.29604900	-10.64701800	2.24462500 L
H-H_	-7.97965300	-9.80495500	2.26717400 L
C-C_R	-7.68513100	-11.87470500	2.76922100 L
H-H_	-8.66720400	-11.99286700	3.21142800 L
C-C_R	-5.54319700	-12.79931200	2.16326700 L
C-C_R	-5.15332800	-11.56709400	1.62814200 L
H-H_	-4.85311500	-13.63370000	2.13804700 L
N-N_R	-3.87777900	-11.41525400	1.05102000 L
C-C_R	-6.04439800	-10.49117000	1.67048100 L
C-C_R	-3.33433100	-12.44190100	0.26097800 L
C-C_R	-3.15094500	-10.22794300	1.25480500 L
H-H_	-5.75002400	-9.53896700	1.24554400 L
C-C_R	-1.97220100	-12.75174300	0.34246900 L
C-C_R	-4.14417300	-13.17889200	-0.61117200 L
C-C_R	-3.14459400	-9.60676300	2.50810800 L
C-C_R	-2.42626500	-9.65421900	0.20659000 L
H-H_	-1.34604400	-12.21712600	1.04655500 L
C-C_R	-1.43201800	-13.74469300	-0.44927200 L
H-H_	-5.20114300	-12.95284100	-0.67780200 L
C-C_R	-3.59927600	-14.18422300	-1.38737400 L
C-C_R	-2.43474200	-8.43127200	2.69965000 L
H-H_	-3.69673900	-10.05328200	3.32572600 L
H-H_	-2.43551600	-10.12784400	-0.76687700 L
C-C_R	-1.71034600	-8.48508500	0.41104500 L
C-C_R	-2.22918800	-14.46900400	-1.34560200 L
H-H_	-0.38096800	-13.98482300	-0.35210200 L
H-H_	-4.22914000	-14.76607500	-2.04823800 L
H-H_	-2.43749100	-7.96330100	3.67643500 L
C-C_R	-1.71080200	-7.86422700	1.65515300 L
H-H_	-1.15762500	-8.05085900	-0.41428900 L
C-C_R	-1.69664400	-15.56695100	-2.17151100 L
H-H_	-1.15747800	-6.94687800	1.81109600 L
N-N_R	-2.52670500	-16.58738100	-2.34158900 L
C-C_R	-0.38529500	-15.60610600	-2.72614500 L
N-N_R	0.09454700	-16.73096100	-3.23761400 L
C-C_R	0.51722000	-14.44467500	-2.83398800 L
C-C_R	0.04955800	-13.14942400	-3.08808700 L
C-C_R	1.90112500	-14.64503100	-2.76472900 L
C-C_R	0.92544800	-12.09034500	-3.22885900 L
H-H_	-1.01238000	-12.97478900	-3.20665700 L
H-H_	2.27083600	-15.64994300	-2.60879900 L
C-C_R	2.78253200	-13.58799600	-2.88602400 L
H-H_	0.54829200	-11.09861900	-3.44895900 L

C-C_R	2.30406100	-12.29175900	-3.11334200 L
H-H_	3.84828800	-13.75725300	-2.80113600 L
N-N_R	3.19261500	-11.21024000	-3.23306400 L
C-C_R	2.86301500	-9.96575800	-2.66420300 L
C-C_R	4.41749900	-11.37256100	-3.90946900 L
C-C_R	2.24314500	-9.90248100	-1.41323600 L
C-C_R	3.15305000	-8.77765300	-3.34202700 L
C-C_R	5.58216800	-10.77373100	-3.41978000 L
C-C_R	4.48113600	-12.13655900	-5.07919300 L
H-H_	2.02405800	-10.82138900	-0.88229300 L
C-C_R	1.91807300	-8.67541300	-0.85647000 L
H-H_	3.62490100	-8.82133900	-4.31619700 L
C-C_R	2.83489500	-7.55469300	-2.77055500 L
H-H_	5.53889700	-10.19089000	-2.50771500 L
C-C_R	6.78164100	-10.93342300	-4.09410400 L
H-H_	3.57850300	-12.59510500	-5.46556200 L
C-C_R	5.68952100	-12.30103700	-5.73667400 L
H-H_	1.44210400	-8.64558000	0.11807900 L
C-C_R	2.21432800	-7.49430800	-1.52734400 L
H-H_	3.06364100	-6.64173900	-3.30865800 L
C-C_R	6.84475700	-11.69915200	-5.25359400 L
H-H_	7.67833300	-10.46714200	-3.70067200 L
H-H_	5.72350400	-12.89723300	-6.64150400 L
H-H_	1.96687200	-6.53674900	-1.08645800 L
H-H_	7.78716200	-11.82814900	-5.77283700 L
C-C_R	-8.94874200	-24.44319600	-1.46395200 L
H-H_	-9.22397800	-23.43151700	-1.74193100 L
C-C_R	-9.55916700	-26.64620000	-0.72938300 L
H-H_	-10.31036000	-27.36024800	-0.41428100 L
C-C_R	-9.92839700	-25.35139400	-1.07547400 L
H-H_	-10.96943500	-25.05214500	-1.04292600 L
C-C_R	-7.61656800	-24.82114300	-1.51373700 L
C-C_R	-7.24326600	-26.12162900	-1.15686800 L
H-H_	-6.85770200	-24.11637200	-1.82864800 L
N-N_R	-5.88944100	-26.50777200	-1.19716400 L
C-C_R	-8.22684300	-27.03075100	-0.76034300 L
C-C_R	-4.89000800	-25.61767800	-0.76924200 L
C-C_R	-5.53610200	-27.79134000	-1.65455800 L
H-H_	-7.93919500	-28.03464100	-0.47181600 L
C-C_R	-3.67254400	-25.53744700	-1.45484700 L
C-C_R	-5.09640800	-24.79072400	0.34073000 L
C-C_R	-6.18917600	-28.35517400	-2.75561700 L
C-C_R	-4.53112200	-28.51871200	-1.01011000 L
H-H_	-3.52196300	-26.14138500	-2.34175600 L

C-C_R	-2.68120800	-24.67959600	-1.02165000 L
H-H_	-6.03578700	-24.84016600	0.87724900 L
C-C_R	-4.10426400	-23.92251200	0.75774100 L
C-C_R	-5.84298700	-29.62388800	-3.19366600 L
H-H_	-6.96085100	-27.78975600	-3.26293600 L
H-H_	-4.03070000	-28.08729500	-0.15125800 L
C-C_R	-4.18531800	-29.78179500	-1.46286100 L
C-C_R	-2.86767700	-23.86923400	0.10470700 L
H-H_	-1.75608400	-24.61622400	-1.58116300 L
H-H_	-4.27094400	-23.26911600	1.60470400 L
H-H_	-6.35485200	-30.04759400	-4.05062400 L
C-C_R	-4.83926000	-30.34390100	-2.55507200 L
H-H_	-3.40763400	-30.33361000	-0.94980900 L
C-C_R	-1.85027700	-22.90858800	0.56775200 L
H-H_	-4.57259600	-31.33485200	-2.90232600 L
N-N_R	-2.33628500	-21.77098600	1.04549500 L
C-C_R	-0.44267500	-23.11168600	0.48297500 L
C-C_R	-1.49412300	-20.77720400	1.34652900 L
N-N_R	0.39432200	-22.10336800	0.68673100 L
C-C_R	0.20616200	-24.41054700	0.22800500 L
C-C_R	-0.09158000	-20.92069000	1.07712300 L
C-C_R	-1.98748300	-19.57283500	1.90241400 L
C-C_R	-0.31047900	-25.61887500	0.71302600 L
C-C_R	1.42893100	-24.44169300	-0.45251500 L
C-C_R	0.77832900	-19.81909600	1.25357400 L
C-C_R	-1.10588900	-18.49197100	2.13673300 L
C-C_R	-3.36259700	-19.45062400	2.22512100 L
C-C_R	0.34581300	-26.81392600	0.49435900 L
H-H_	-1.22396900	-25.61601000	1.29488500 L
H-H_	1.85451600	-23.50690400	-0.79573600 L
C-C_R	2.08318500	-25.63582700	-0.69145600 L
C-C_R	0.27312500	-18.59529200	1.75273300 L
C-C_R	2.15341800	-19.94120100	0.93186100 L
N-N_R	-4.48761300	-19.35114400	2.48930300 L
H-H_	-0.05451200	-27.73707200	0.89633700 L
C-C_R	1.54541300	-26.84210100	-0.22631600 L
H-H_	3.01438900	-25.64383500	-1.24514100 L
N-N_R	3.27843400	-20.04068100	0.66768000 L
N-N_R	2.19974100	-28.06017300	-0.46871400 L
C-C_R	1.44977900	-29.20905400	-0.78287300 L
C-C_R	3.60561100	-28.13217600	-0.40868400 L
C-C_R	0.33932500	-29.11781200	-1.62917900 L
C-C_R	1.80649300	-30.45461200	-0.25828800 L
C-C_R	4.31497800	-28.89715100	-1.33832800 L

C-C_R	4.30530400	-27.43515300	0.58164300 L
H-H_	0.06660500	-28.15593300	-2.04560500 L
C-C_R	-0.39655500	-30.25029600	-1.93769800 L
H-H_	2.65936400	-30.52778900	0.40538700 L
C-C_R	1.06932400	-31.58350000	-0.58131200 L
H-H_	3.77699700	-29.42766800	-2.11403200 L
C-C_R	5.69796600	-28.96754000	-1.27000500 L
H-H_	3.75744800	-26.84826100	1.30824200 L
C-C_R	5.68864600	-27.50110300	0.63138700 L
H-H_	-1.25167900	-30.16156100	-2.59807500 L
C-C_R	-0.03697900	-31.49038700	-1.41966400 L
H-H_	1.35508500	-32.54222600	-0.16388400 L
C-C_R	6.39393100	-28.26829500	-0.28906800 L
H-H_	6.23615100	-29.56022100	-1.99924800 L
H-H_	6.21749000	-26.95502900	1.40417500 L
H-H_	-0.61033200	-32.37476700	-1.66720300 L
H-H_	7.47538200	-28.31964200	-0.24363500 L
C-C_R	-5.82530800	-13.74337900	7.80129100 L
H-H_	-6.11353600	-14.70417200	8.21121300 L
C-C_R	-6.31847400	-11.44216700	7.32454900 L
H-H_	-7.00144100	-10.60086800	7.34719700 L
C-C_R	-6.70755600	-12.66985300	7.84914500 L
H-H_	-7.68962900	-12.78801600	8.29135200 L
C-C_R	-4.56562200	-13.59446000	7.24319100 L
C-C_R	-4.17511500	-12.36300700	6.70816500 L
H-H_	-3.87490300	-14.42961300	7.21807000 L
N-N_R	-2.89956700	-12.21116600	6.13104300 L
C-C_R	-5.06682300	-11.28631800	6.75040500 L
C-C_R	-2.35611900	-13.23781300	5.34100100 L
C-C_R	-2.17273300	-11.02385600	6.33482800 L
H-H_	-4.77244900	-10.33411500	6.32546800 L
C-C_R	-0.99462600	-13.54689100	5.42239400 L
C-C_R	-3.16659900	-13.97404000	4.46875200 L
C-C_R	-2.16701900	-10.40191200	7.58803300 L
C-C_R	-1.44869000	-10.44936700	5.28651400 L
H-H_	-0.36847000	-13.01227400	6.12648000 L
C-C_R	-0.45378000	-14.54071300	4.62975700 L
H-H_	-4.22354300	-13.74809700	4.40112900 L
C-C_R	-2.62170100	-14.97937200	3.69255000 L
C-C_R	-1.45653000	-9.22718400	7.77967300 L
H-H_	-2.71916400	-10.84843000	8.40565000 L
H-H_	-1.45791600	-10.92309900	4.31205300 L
C-C_R	-0.73210900	-9.28110500	5.49007400 L
C-C_R	-1.25161300	-15.26415200	3.73432200 L

H-H_	0.59663200	-14.78007800	4.72682800 L
H-H_	-3.25153900	-15.56133100	3.03069200 L
H-H_	-1.45989000	-8.75855600	8.75536600 L
C-C_R	-0.73322700	-8.65937500	6.73507700 L
H-H_	-0.18002500	-8.84611500	4.66464100 L
C-C_R	-0.71843100	-16.36286300	2.90851200 L
H-H_	-0.17987800	-7.74213400	6.89002600 L
N-N_R	-1.54849200	-17.38329300	2.73843400 L
C-C_R	0.59228000	-16.40125500	2.35378000 L
N-N_R	1.07212100	-17.52610900	1.84231000 L
C-C_R	1.49479500	-15.23982400	2.24593600 L
C-C_R	1.02713300	-13.94457300	1.99183800 L
C-C_R	2.87870000	-15.44017900	2.31519500 L
C-C_R	1.90302300	-12.88549300	1.85106500 L
H-H_	-0.03416800	-13.77070100	1.87336600 L
H-H_	3.24904800	-16.44585600	2.47122400 L
C-C_R	3.76010700	-14.38314400	2.19390100 L
H-H_	1.52586600	-11.89376800	1.63096600 L
C-C_R	3.28227300	-13.08767200	1.96668100 L
H-H_	4.82650000	-14.55316600	2.27888700 L
N-N_R	4.17018900	-12.00538900	1.84686100 L
C-C_R	3.84058900	-10.76090700	2.41572100 L
C-C_R	5.39509900	-12.16781600	1.16946100 L
C-C_R	3.22072000	-10.69763000	3.66668800 L
C-C_R	4.13062400	-9.57280200	1.73789700 L
C-C_R	6.55974300	-11.56888000	1.66014400 L
C-C_R	5.45871100	-12.93170700	0.00073200 L
H-H_	3.00227000	-11.61730200	4.19773000 L
C-C_R	2.89628500	-9.47132500	4.22355300 L
H-H_	4.60311300	-9.61725200	0.76382600 L
C-C_R	3.81247000	-8.34984100	2.30936900 L
H-H_	6.51647100	-10.98603900	2.57220900 L
C-C_R	7.75985300	-11.72933500	0.98591900 L
H-H_	4.55607800	-13.39025400	-0.38563800 L
C-C_R	6.66773300	-13.09694900	-0.65665100 L
H-H_	2.42031600	-9.44149300	5.19810200 L
C-C_R	3.19192800	-8.28956300	3.55158700 L
H-H_	4.04124200	-7.43699500	1.77027300 L
C-C_R	7.82296900	-12.49506400	-0.17357100 L
H-H_	8.65654500	-11.26305500	1.37935200 L
H-H_	6.70107900	-13.69238100	-1.56157900 L
H-H_	2.94444700	-7.33189800	3.99346700 L
H-H_	8.76537400	-12.62406100	-0.69281400 L
C-C_R	-7.97114200	-25.23845200	3.61497900 L

H-H_	-8.24640300	-24.22666500	3.33799400 L
C-C_R	-8.58159300	-27.44134900	4.35054200 L
H-H_	-9.33278500	-28.15539700	4.66564300 L
C-C_R	-8.95018500	-26.14730700	4.00454900 L
H-H_	-9.99186100	-25.84729300	4.03699800 L
C-C_R	-6.63899400	-25.61629100	3.56618800 L
C-C_R	-6.26569200	-26.91677700	3.92305700 L
H-H_	-5.88012700	-24.91152100	3.25127600 L
N-N_R	-4.91186600	-27.30292000	3.88276000 L
C-C_R	-7.24926900	-27.82589900	4.31958200 L
C-C_R	-3.91243300	-26.41282700	4.31068200 L
C-C_R	-4.55852700	-28.58648900	3.42536600 L
H-H_	-6.96162000	-28.82979000	4.60810900 L
C-C_R	-2.69496900	-26.33259500	3.62507800 L
C-C_R	-4.11883400	-25.58587300	5.42065500 L
C-C_R	-5.21160200	-29.15032200	2.32430800 L
C-C_R	-3.55354700	-29.31386100	4.06981500 L
H-H_	-2.54438900	-26.93653400	2.73816800 L
C-C_R	-1.70297000	-25.47561500	4.05737900 L
H-H_	-5.05821300	-25.63531400	5.95717300 L
C-C_R	-3.12668900	-24.71766100	5.83766500 L
C-C_R	-4.86477500	-30.41980100	1.88635700 L
H-H_	-5.98263900	-28.58566900	1.81708700 L
H-H_	-3.05248800	-28.88320800	4.92876500 L
C-C_R	-3.20774300	-30.57694300	3.61706400 L
C-C_R	-1.89010300	-24.66438200	5.18463200 L
H-H_	-0.77848300	-25.41148000	3.49776700 L
H-H_	-3.29273200	-24.06502800	6.68472700 L
H-H_	-5.37727700	-30.84274200	1.02930000 L
C-C_R	-3.86104800	-31.13981400	2.52495100 L
H-H_	-2.42942200	-31.12952200	4.13021500 L
C-C_R	-0.87206500	-23.70450100	5.64777500 L
H-H_	-3.59438400	-32.13076400	2.17769700 L
N-N_R	-1.35807300	-22.56689900	6.12551800 L
C-C_R	0.53490000	-23.90683500	5.56290000 L
C-C_R	-0.51654800	-21.57235200	6.42645300 L
N-N_R	1.37189700	-22.89851700	5.76665500 L
C-C_R	1.18373700	-25.20569500	5.30792900 L
C-C_R	0.88599500	-21.71583800	6.15704800 L
C-C_R	-1.00990900	-20.36798400	6.98233800 L
C-C_R	0.66709600	-26.41402300	5.79295100 L
C-C_R	2.40714300	-25.23760600	4.62750800 L
C-C_R	1.75590400	-20.61424500	6.33349900 L
C-C_R	-0.12828800	-19.28722700	7.21566400 L

C-C_R	-2.38438500	-20.24653700	7.30514400 L
C-C_R	1.32338800	-27.60907400	5.57428300 L
H-H_	-0.24639500	-26.41115800	6.37480900 L
H-H_	2.83272800	-24.30281600	4.28428700 L
C-C_R	3.06139700	-26.43174000	4.38856700 L
C-C_R	1.25069900	-19.39044000	6.83265700 L
C-C_R	3.13101800	-20.73645600	6.01079200 L
N-N_R	-3.51003900	-20.14629200	7.56922700 L
H-H_	0.92306300	-28.53222100	5.97626100 L
C-C_R	2.52298800	-27.63724900	4.85360900 L
H-H_	3.99196300	-26.43898300	3.83478400 L
N-N_R	4.25600800	-20.83582900	5.74760400 L
N-N_R	3.17795300	-28.85608500	4.61130900 L
C-C_R	2.42735400	-30.00420200	4.29705100 L
C-C_R	4.58318600	-28.92732400	4.67124100 L
C-C_R	1.31753700	-29.91372500	3.45084500 L
C-C_R	2.78470500	-31.25052500	4.82173500 L
C-C_R	5.29255200	-29.69229900	3.74159600 L
C-C_R	5.28287900	-28.23030100	5.66156800 L
H-H_	1.04418000	-28.95108100	3.03431900 L
C-C_R	0.58102000	-31.04544400	3.14222700 L
H-H_	3.63757600	-31.32370200	5.48541000 L
C-C_R	2.04692500	-32.37875600	4.49761800 L
H-H_	4.75457200	-30.22281600	2.96589200 L
C-C_R	6.67617800	-29.76345300	3.81001800 L
H-H_	4.73502300	-27.64340900	6.38816600 L
C-C_R	6.66685800	-28.29701600	5.71141000 L
H-H_	-0.27346700	-30.95747300	2.48194800 L
C-C_R	0.94059600	-32.28553600	3.66026100 L
H-H_	2.33329700	-33.33813900	4.91613900 L
C-C_R	7.37150600	-29.06344400	4.79085600 L
H-H_	7.21436300	-30.35613400	3.08077500 L
H-H_	7.19570200	-27.75094200	6.48419800 L
H-H_	0.36788000	-33.17067900	3.41282100 L
H-H_	8.45295700	-29.11479000	4.83628900 L
C-C_R	-4.84773300	-14.53852700	12.88121600 L
H-H_	-5.13596100	-15.49932000	13.29113700 L
C-C_R	-5.34089900	-12.23731500	12.40447400 L
H-H_	-6.02386600	-11.39601600	12.42712100 L
C-C_R	-5.72998200	-13.46500100	12.92907000 L
H-H_	-6.71141700	-13.58392800	13.37137500 L
C-C_R	-3.58741000	-14.39037300	12.32321400 L
C-C_R	-3.19754100	-13.15815500	11.78809000 L
H-H_	-2.89732800	-15.22476100	12.29799400 L

N-N_R	-1.92199300	-13.00631500	11.21096700 L
C-C_R	-4.08861100	-12.08223100	11.83042800 L
C-C_R	-1.37854500	-14.03296200	10.42092600 L
C-C_R	-1.19515800	-11.81900400	11.41475300 L
H-H_	-3.79487500	-11.12926400	11.40539300 L
C-C_R	-0.01705200	-14.34204000	10.50231800 L
C-C_R	-2.18902400	-14.76918800	9.54867600 L
C-C_R	-1.18944400	-11.19706000	12.66795700 L
C-C_R	-0.47047800	-11.24528000	10.36653800 L
H-H_	0.60974300	-13.80818700	11.20650300 L
C-C_R	0.52379500	-15.33586100	9.70968100 L
H-H_	-3.24533100	-14.54400900	9.48115200 L
C-C_R	-1.64412600	-15.77452000	8.77247500 L
C-C_R	-0.47895500	-10.02233300	12.85959700 L
H-H_	-1.74095200	-11.64434300	13.48567300 L
H-H_	-0.47970400	-11.71901200	9.39207600 L
C-C_R	0.24546600	-10.07625300	10.56999900 L
C-C_R	-0.27403900	-16.05930100	8.81424700 L
H-H_	1.57484400	-15.57599100	9.80685100 L
H-H_	-2.27332700	-16.35724300	8.11071500 L
H-H_	-0.48167800	-9.55446900	13.83538900 L
C-C_R	0.24434800	-9.45452400	11.81500200 L
H-H_	0.79755000	-9.64126300	9.74456600 L
C-C_R	0.25914300	-17.15801200	7.98843600 L
H-H_	0.79769700	-8.53728200	11.96995100 L
N-N_R	-0.57091800	-18.17844200	7.81835800 L
C-C_R	1.57049200	-17.19716700	7.43380300 L
N-N_R	2.04969600	-18.32125800	6.92223500 L
C-C_R	2.47237000	-16.03497200	7.32586100 L
C-C_R	2.00470700	-14.73972100	7.07176200 L
C-C_R	3.85627500	-16.23532800	7.39511900 L
C-C_R	2.88059800	-13.68064100	6.93099000 L
H-H_	0.94340700	-14.56585000	6.95329100 L
H-H_	4.22662300	-17.24100400	7.55114900 L
C-C_R	4.73831900	-15.17905700	7.27392400 L
H-H_	2.50407800	-12.68968000	6.71098900 L
C-C_R	4.25984800	-13.88282000	7.04660600 L
H-H_	5.80407500	-15.34831400	7.35881100 L
N-N_R	5.14840100	-12.80130100	6.92688400 L
C-C_R	4.81880100	-11.55681900	7.49574400 L
C-C_R	6.37331100	-12.96372900	6.24948400 L
C-C_R	4.19829500	-11.49277800	8.74661300 L
C-C_R	5.10819900	-10.36795000	6.81782100 L
C-C_R	7.53795500	-12.36479200	6.74016700 L

C-C_R	6.43692300	-13.72762000	5.08075500 L
H-H_	3.97984500	-12.41245000	9.27765400 L
C-C_R	3.87386000	-10.26647400	9.30347800 L
H-H_	5.58068800	-10.41240000	5.84375100 L
C-C_R	4.79068200	-9.14575400	7.38939200 L
H-H_	7.49468300	-11.78195100	7.65223200 L
C-C_R	8.73745300	-12.52459100	6.06484900 L
H-H_	5.53429000	-14.18616600	4.69438500 L
C-C_R	7.64530800	-13.89209800	4.42327300 L
H-H_	3.39791600	-10.23674800	10.27703200 L
C-C_R	4.17014000	-9.08547600	8.63161000 L
H-H_	5.01945400	-8.23290700	6.85029600 L
C-C_R	8.80054400	-13.29021300	4.90635300 L
H-H_	9.63412000	-12.05820300	6.45927600 L
H-H_	7.67929100	-14.48829400	3.51844400 L
H-H_	3.92265900	-8.12781000	9.07349000 L
H-H_	9.74294900	-13.41921000	4.38711100 L
C-C_R	10.86589600	-6.47683000	-7.85733600 L
H-H_	10.59066000	-5.46515100	-8.13531500 L
C-C_R	10.25621500	-8.67909100	-7.12182100 L
H-H_	9.50427800	-9.39388200	-6.80766500 L
C-C_R	9.88624100	-7.38502800	-7.46885800 L
H-H_	8.84597300	-7.08514200	-7.43635900 L
C-C_R	12.19806900	-6.85477700	-7.90712100 L
C-C_R	12.57137200	-8.15526300	-7.55025100 L
H-H_	12.95706900	-6.14860600	-8.22217900 L
N-N_R	13.92596700	-8.54077000	-7.59059600 L
C-C_R	11.58715700	-9.06362000	-7.15382500 L
C-C_R	14.92399300	-7.65054800	-7.16272500 L
C-C_R	14.27864300	-9.82346700	-8.04709600 L
H-H_	11.87544300	-10.06827500	-6.86520000 L
C-C_R	16.14209400	-7.57108000	-7.84823100 L
C-C_R	14.71900000	-6.82372200	-6.05270200 L
C-C_R	13.62623100	-10.38817200	-9.14904900 L
C-C_R	15.28351600	-10.55234600	-7.40349400 L
H-H_	16.29280700	-8.17361900	-8.73528800 L
C-C_R	17.13343000	-6.71323000	-7.41503400 L
H-H_	13.77898300	-6.87239900	-5.51628300 L
C-C_R	15.70973600	-5.95538200	-5.63574200 L
C-C_R	13.97165100	-11.65752200	-9.58705000 L
H-H_	12.85378600	-9.82339000	-9.65632000 L
H-H_	15.78393800	-10.12092900	-6.54464200 L
C-C_R	15.62868300	-11.81466400	-7.85634300 L
C-C_R	16.94632300	-5.90210300	-6.28877500 L

H-H_	18.05791700	-6.64909400	-7.97464600 L
H-H_	15.54446400	-5.30211300	-4.78872900 L
H-H_	13.46055600	-12.08059100	-10.44405700 L
C-C_R	14.97537800	-12.37753500	-8.94845600 L
H-H_	16.40777400	-12.36660700	-7.34324100 L
C-C_R	17.96513100	-4.94158600	-5.82568000 L
H-H_	15.24204200	-13.36848500	-9.29571000 L
N-N_R	17.47912300	-3.80398400	-5.34793700 L
C-C_R	19.37270800	-5.14457700	-5.90946300 L
C-C_R	18.32064800	-2.80943700	-5.04700200 L
N-N_R	20.20832300	-4.13623800	-5.70675200 L
C-C_R	20.02080000	-6.44418100	-6.16537900 L
C-C_R	19.72303200	-2.95421600	-5.31526700 L
C-C_R	17.82715400	-1.60646900	-4.49097000 L
C-C_R	19.50492900	-7.65187300	-5.68040600 L
C-C_R	21.24356900	-6.47532700	-6.84589900 L
C-C_R	20.59373700	-1.85209400	-5.13985800 L
C-C_R	18.70888200	-0.52420500	-4.25679800 L
C-C_R	16.45281000	-1.48362200	-4.16831100 L
C-C_R	20.16045100	-8.84755900	-5.89902500 L
H-H_	18.59066900	-7.64964300	-5.09849900 L
H-H_	21.66915300	-5.54053700	-7.18912000 L
C-C_R	21.89859300	-7.66882500	-7.08488900 L
C-C_R	20.08853300	-0.62828900	-4.64070000 L
C-C_R	21.96741800	-1.97407000	-5.46162100 L
N-N_R	15.32779500	-1.38414200	-3.90413000 L
H-H_	19.76025900	-9.76930600	-5.49719500 L
C-C_R	21.36018400	-8.87433400	-6.61984700 L
H-H_	22.82838900	-7.67670400	-7.63862300 L
N-N_R	23.09307100	-2.07431500	-5.72570400 L
N-N_R	22.01437800	-10.09380600	-6.86209800 L
C-C_R	21.26441700	-11.24268700	-7.17625700 L
C-C_R	23.42024900	-10.16581000	-6.80206800 L
C-C_R	20.15473300	-11.15081000	-8.02261100 L
C-C_R	21.62113100	-12.48824600	-6.65167200 L
C-C_R	24.13038600	-10.93014900	-7.73176100 L
C-C_R	24.11994200	-9.46878700	-5.81174100 L
H-H_	19.88137500	-10.18816600	-8.43913600 L
C-C_R	19.41742000	-12.28305800	-8.33018600 L
H-H_	22.47477200	-12.56078700	-5.98804500 L
C-C_R	20.88396200	-13.61713400	-6.97469600 L
H-H_	23.59163500	-11.46130200	-8.50741600 L
C-C_R	25.51337300	-11.00053800	-7.66343800 L
H-H_	23.57221900	-8.88049400	-5.08529000 L

C-C_R	25.50405400	-9.53410100	-5.76204500 L
H-H_	18.56295900	-12.19519400	-8.99145900 L
C-C_R	19.77702100	-13.52325700	-7.81314600 L
H-H_	21.17049300	-14.57522400	-6.55731600 L
C-C_R	26.20793200	-10.30116500	-6.68255100 L
H-H_	26.05155900	-11.59321900	-8.39268000 L
H-H_	26.03289800	-8.98802700	-4.98925700 L
H-H_	19.20430600	-14.40840000	-8.06058600 L
H-H_	27.29002000	-10.35327500	-6.63701900 L
C-C_R	13.98946300	4.22438800	1.40776000 L
H-H_	13.70046500	3.26295900	1.81773000 L
C-C_R	13.49693400	6.52483600	0.93111700 L
H-H_	12.81333000	7.36689900	0.95366500 L
C-C_R	13.10785200	5.29714900	1.45571300 L
H-H_	12.12500800	5.17835100	1.89796800 L
C-C_R	15.24901600	4.37190600	0.84980700 L
C-C_R	15.63888500	5.60412400	0.31468300 L
H-H_	15.93986800	3.53815400	0.82453800 L
N-N_R	16.91520300	5.75660000	-0.26248800 L
C-C_R	14.74781500	6.68004800	0.35702100 L
C-C_R	17.45788100	4.72931700	-1.05248100 L
C-C_R	17.64203700	6.94391100	-0.05870300 L
H-H_	15.04218800	7.63225100	-0.06791500 L
C-C_R	18.82001100	4.41947500	-0.97099000 L
C-C_R	16.64803900	3.99232600	-1.92463200 L
C-C_R	17.64761900	7.56445500	1.19464900 L
C-C_R	18.36671800	7.51763500	-1.10691800 L
H-H_	19.44616800	4.95409200	-0.26690400 L
C-C_R	19.36019500	3.42652500	-1.76273200 L
H-H_	15.59184000	4.21901300	-1.99131000 L
C-C_R	17.19370700	2.98763100	-2.70088200 L
C-C_R	18.35824100	8.74058200	1.38614200 L
H-H_	17.09547400	7.11793600	2.01226700 L
H-H_	18.35669600	7.04337400	-2.08033700 L
C-C_R	19.08263600	8.68676900	-0.90246300 L
C-C_R	18.56379400	2.70285000	-2.65911000 L
H-H_	20.41124400	3.18639500	-1.66556200 L
H-H_	16.56384300	2.40577900	-3.36174600 L
H-H_	18.35549200	9.20855300	2.36292700 L
C-C_R	19.08141100	9.30699100	0.34169300 L
H-H_	19.63458700	9.12035800	-1.72774900 L
C-C_R	19.09556900	1.60426700	-3.48497100 L
H-H_	19.63550500	10.22497600	0.49758800 L
N-N_R	18.26550800	0.58383700	-3.65504900 L

C-C_R	20.40768800	1.56574800	-4.03965300 L
N-N_R	20.88675900	0.44025700	-4.55107400 L
C-C_R	21.30943300	2.72654300	-4.14744700 L
C-C_R	20.84254000	4.02243000	-4.40159500 L
C-C_R	22.69333800	2.52618700	-4.07818900 L
C-C_R	21.71766100	5.08087300	-4.54231900 L
H-H_	19.77983200	4.19642900	-4.52011600 L
H-H_	23.06304900	1.52127500	-3.92225800 L
C-C_R	23.57551400	3.58385800	-4.19953200 L
H-H_	21.34127400	6.07323500	-4.76246700 L
C-C_R	23.09704300	4.88009500	-4.42685000 L
H-H_	24.64127100	3.41460100	-4.11464400 L
N-N_R	23.98482700	5.96097800	-4.54652300 L
C-C_R	23.65599700	7.20609600	-3.97771100 L
C-C_R	25.20971200	5.79865700	-5.22292900 L
C-C_R	23.03535800	7.26873700	-2.72669600 L
C-C_R	23.94603200	8.39420100	-4.65553600 L
C-C_R	26.37438100	6.39748700	-4.73324000 L
C-C_R	25.27411900	5.03529500	-6.39270100 L
H-H_	22.81704100	6.35046500	-2.19580100 L
C-C_R	22.71028500	8.49580500	-2.16992900 L
H-H_	24.41711400	8.34987900	-5.62965600 L
C-C_R	23.62710800	9.61652500	-4.08401500 L
H-H_	26.33110900	6.98032800	-3.82117500 L
C-C_R	27.57385300	6.23779500	-5.40756400 L
H-H_	24.37071500	4.57611300	-6.77902200 L
C-C_R	26.48173400	4.87018100	-7.05013400 L
H-H_	22.23431600	8.52563800	-1.19538100 L
C-C_R	23.00654000	9.67691000	-2.84080300 L
H-H_	23.85662400	10.53011500	-4.62216600 L
C-C_R	27.63774000	5.47270200	-6.56710200 L
H-H_	28.47054600	6.70407600	-5.01413100 L
H-H_	26.51571600	4.27398500	-7.95496300 L
H-H_	22.75908400	10.63446900	-2.39991700 L
H-H_	28.57937500	5.34306900	-7.08629600 L
C-C_R	11.84347000	-7.27197800	-2.77741100 L
H-H_	11.56823400	-6.26029900	-3.05539000 L
C-C_R	11.23381500	-9.47434600	-2.04289100 L
H-H_	10.48185300	-10.18903000	-1.72774100 L
C-C_R	10.86381600	-8.18017600	-2.38893400 L
H-H_	9.82354700	-7.88029100	-2.35643500 L
C-C_R	13.17564400	-7.64992500	-2.82719600 L
C-C_R	13.54894600	-8.95041100	-2.47032700 L
H-H_	13.93528100	-6.94451800	-3.14215600 L

N-N_R	14.90354200	-9.33591800	-2.51067200 L
C-C_R	12.56536900	-9.85953300	-2.07380200 L
C-C_R	15.90220500	-8.44646000	-2.08270200 L
C-C_R	15.25688100	-10.61948600	-2.96806700 L
H-H_	12.85301800	-10.86342300	-1.78527500 L
C-C_R	17.11966900	-8.36622900	-2.76830600 L
C-C_R	15.69657400	-7.61887000	-0.97277800 L
C-C_R	14.60380600	-11.18332000	-4.06912500 L
C-C_R	16.26109100	-11.34749400	-2.32356900 L
H-H_	17.27101900	-8.96953100	-3.65526500 L
C-C_R	18.11100500	-7.50837800	-2.33511000 L
H-H_	14.75719500	-7.66831200	-0.43626000 L
C-C_R	16.68794900	-6.75129400	-0.55571900 L
C-C_R	14.94922500	-12.45267000	-4.50712600 L
H-H_	13.83136100	-10.61853800	-4.57639500 L
H-H_	16.76151200	-10.91607700	-1.46471700 L
C-C_R	16.60689500	-12.61057700	-2.77632000 L
C-C_R	17.92453500	-6.69801600	-1.20875200 L
H-H_	19.03612900	-7.44500600	-2.89462300 L
H-H_	16.52203800	-6.09726200	0.29119600 L
H-H_	14.43813100	-12.87574000	-5.36413200 L
C-C_R	15.95295200	-13.17268300	-3.86853200 L
H-H_	17.38534800	-13.16175600	-2.26331700 L
C-C_R	18.94270500	-5.73673400	-0.74575600 L
H-H_	16.21961600	-14.16363400	-4.21578500 L
N-N_R	18.45669800	-4.59913200	-0.26801300 L
C-C_R	20.35030800	-5.93983200	-0.83053300 L
C-C_R	19.29886000	-3.60535000	0.03302100 L
N-N_R	21.18653500	-4.93215000	-0.62672900 L
C-C_R	20.99837500	-7.23932900	-1.08545500 L
C-C_R	20.70063300	-3.74947200	-0.23633600 L
C-C_R	18.80472900	-2.40161700	0.58895500 L
C-C_R	20.48250400	-8.44702100	-0.60048200 L
C-C_R	22.22114400	-7.27047500	-1.76597500 L
C-C_R	21.57131200	-2.64724200	-0.05993400 L
C-C_R	19.68709400	-1.32011700	0.82322500 L
C-C_R	17.43038500	-2.27877000	0.91161300 L
C-C_R	21.13802500	-9.64270800	-0.81910100 L
H-H_	19.56824300	-8.44479200	-0.01857500 L
H-H_	22.64672800	-6.33568600	-2.10919600 L
C-C_R	22.87616700	-8.46397300	-2.00496400 L
C-C_R	21.06610700	-1.42343800	0.43922400 L
C-C_R	22.94563000	-2.76998300	-0.38159800 L
N-N_R	16.30536900	-2.17929000	1.17579500 L

H-H_	20.73847100	-10.56521800	-0.41717200 L
C-C_R	22.33839600	-9.67024700	-1.53982400 L
H-H_	23.80660100	-8.47261700	-2.55860000 L
N-N_R	24.07064600	-2.86946300	-0.64578000 L
N-N_R	22.99195300	-10.88895500	-1.78217400 L
C-C_R	22.24199200	-12.03783600	-2.09633300 L
C-C_R	24.39782400	-10.96095800	-1.72214300 L
C-C_R	21.13230800	-11.94595800	-2.94268700 L
C-C_R	22.59870500	-13.28339400	-1.57174700 L
C-C_R	25.10796000	-11.72529700	-2.65183600 L
C-C_R	25.09751600	-10.26393500	-0.73181600 L
H-H_	20.85958800	-10.98407900	-3.35911300 L
C-C_R	20.39565800	-13.07907800	-3.25115700 L
H-H_	23.45234700	-13.35593500	-0.90812100 L
C-C_R	21.86153700	-14.41228200	-1.89477200 L
H-H_	24.56921000	-12.25645000	-3.42749200 L
C-C_R	26.49094800	-11.79568600	-2.58351300 L
H-H_	24.55043100	-9.67640700	-0.00526700 L
C-C_R	26.48162800	-10.32924900	-0.68212100 L
H-H_	19.54053300	-12.99034300	-3.91153400 L
C-C_R	20.75523300	-14.31916900	-2.73312300 L
H-H_	22.14806700	-15.37037200	-1.47739200 L
C-C_R	27.18614400	-11.09707700	-1.60252800 L
H-H_	27.02913400	-12.38836700	-3.31275600 L
H-H_	27.01047200	-9.78317500	0.09066700 L
H-H_	20.18188000	-15.20354900	-2.98066200 L
H-H_	28.26759500	-11.14842400	-1.55709500 L
C-C_R	14.96767500	3.42847500	6.48778300 L
H-H_	14.67867700	2.46704600	6.89775300 L
C-C_R	14.47450900	5.72968700	6.01104100 L
H-H_	13.79154200	6.57098600	6.03368800 L
C-C_R	14.08542600	4.50200100	6.53563700 L
H-H_	13.10258300	4.38320200	6.97789300 L
C-C_R	16.22659100	3.57675800	5.92973200 L
C-C_R	16.61709700	4.80821100	5.39470600 L
H-H_	16.91808000	2.74224100	5.90456100 L
N-N_R	17.89341500	4.96068800	4.81753500 L
C-C_R	15.72539000	5.88490000	5.43694500 L
C-C_R	18.43609300	3.93340500	4.02754200 L
C-C_R	18.62025000	6.14799800	5.02132000 L
H-H_	16.01976300	6.83710300	5.01200900 L
C-C_R	19.79758600	3.62432700	4.10893400 L
C-C_R	17.62561400	3.19717800	3.15529200 L
C-C_R	18.62519400	6.76930600	6.27457300 L

C-C_R	19.34429300	6.72248700	3.97300600 L
H-H_	20.42374300	4.15894400	4.81302000 L
C-C_R	20.33843200	2.63050500	3.31629800 L
H-H_	16.56944000	3.42375700	3.08762100 L
C-C_R	18.17128200	2.19248200	2.37904200 L
C-C_R	19.33645300	7.94467000	6.46616500 L
H-H_	18.07304800	6.32278800	7.09219100 L
H-H_	19.33429600	6.24811900	2.99859400 L
C-C_R	20.06087400	7.89074900	4.17656600 L
C-C_R	19.54136900	1.90770200	2.42081400 L
H-H_	21.38884400	2.39114000	3.41336800 L
H-H_	17.54144300	1.61052300	1.71718400 L
H-H_	19.33309200	8.41329800	7.44185700 L
C-C_R	20.05898500	8.51184300	5.42161800 L
H-H_	20.61218700	8.32510300	3.35118200 L
C-C_R	20.07378100	0.80835500	1.59505200 L
H-H_	20.61310500	9.42972000	5.57651800 L
N-N_R	19.24372000	-0.21207500	1.42497500 L
C-C_R	21.38526200	0.77059900	1.04027200 L
N-N_R	21.86433400	-0.35489100	0.52885100 L
C-C_R	22.28700700	1.93139400	0.93247700 L
C-C_R	21.82011500	3.22728100	0.67833000 L
C-C_R	23.67091300	1.73103900	1.00173600 L
C-C_R	22.69523600	4.28572500	0.53760600 L
H-H_	20.75804400	3.40051700	0.55990700 L
H-H_	24.04126100	0.72536200	1.15776500 L
C-C_R	24.55308900	2.78871000	0.88039200 L
H-H_	22.31884900	5.27808600	0.31745700 L
C-C_R	24.07525500	4.08418200	0.65317300 L
H-H_	25.61948300	2.61868800	0.96537900 L
N-N_R	24.96240200	5.16582900	0.53340100 L
C-C_R	24.63357200	6.41094700	1.10221300 L
C-C_R	26.18731200	5.00340200	-0.14399800 L
C-C_R	24.01293200	6.47358800	2.35322900 L
C-C_R	24.92360700	7.59905200	0.42438900 L
C-C_R	27.35195500	5.60233800	0.34668500 L
C-C_R	26.25169400	4.24014700	-1.31277700 L
H-H_	23.79525300	5.55455200	2.88422200 L
C-C_R	23.68849700	7.69989200	2.91009400 L
H-H_	25.39532600	7.55396600	-0.54963300 L
C-C_R	24.60468300	8.82137700	0.99591000 L
H-H_	27.30868400	6.18517900	1.25874900 L
C-C_R	28.55206600	5.44188300	-0.32754100 L
H-H_	25.34829000	3.78096400	-1.69909700 L

C-C_R	27.45994600	4.07426800	-1.97011100 L
H-H_	23.21252900	7.72972500	3.88464200 L
C-C_R	23.98414100	8.88165500	2.23812700 L
H-H_	24.83422400	9.73485900	0.45676500 L
C-C_R	28.61595200	4.67679000	-1.48707900 L
H-H_	29.44875800	5.90816300	0.06589200 L
H-H_	27.49329100	3.47883700	-2.87503900 L
H-H_	23.73665900	9.83932000	2.68000700 L
H-H_	29.55758700	4.54715700	-2.00627300 L
C-C_R	12.82107100	-8.06723400	2.30151900 L
H-H_	12.54580900	-7.05544700	2.02453400 L
C-C_R	12.21139000	-10.26949500	3.03703300 L
H-H_	11.45942700	-10.98417900	3.35218400 L
C-C_R	11.84202800	-8.97608900	2.69108900 L
H-H_	10.80112200	-8.67543900	2.72349000 L
C-C_R	14.15321900	-8.44507300	2.25272800 L
C-C_R	14.52652100	-9.74555900	2.60959700 L
H-H_	14.91285500	-7.73966700	1.93776800 L
N-N_R	15.88111600	-10.13106600	2.56925200 L
C-C_R	13.54294400	-10.65468100	3.00612200 L
C-C_R	16.87978000	-9.24160900	2.99722200 L
C-C_R	16.23445600	-11.41463500	2.11185800 L
H-H_	13.83059300	-11.65857200	3.29464900 L
C-C_R	18.09724400	-9.16137700	2.31161800 L
C-C_R	16.67414900	-8.41401900	4.10714700 L
C-C_R	15.58138100	-11.97846800	1.01080000 L
C-C_R	17.23866600	-12.14264300	2.75635500 L
H-H_	18.24859400	-9.76468000	1.42466000 L
C-C_R	19.08924200	-8.30439800	2.74391900 L
H-H_	15.73477000	-8.46346000	4.64366500 L
C-C_R	17.66552300	-7.54644300	4.52420500 L
C-C_R	15.92743800	-13.24858300	0.57289700 L
H-H_	14.80957300	-11.41445100	0.50362800 L
H-H_	17.73972400	-11.71199000	3.61530600 L
C-C_R	17.58446900	-13.40572500	2.30360400 L
C-C_R	18.90211000	-7.49316400	3.87117200 L
H-H_	20.01372900	-8.24026200	2.18430800 L
H-H_	17.50025000	-6.89317400	5.37121900 L
H-H_	15.41570600	-13.67088800	-0.28420800 L
C-C_R	16.93116500	-13.96859600	1.21149100 L
H-H_	18.36356100	-13.95766800	2.81670600 L
C-C_R	19.92091700	-6.53264700	4.33426700 L
H-H_	17.19782800	-14.95954600	0.86423800 L
N-N_R	19.43491000	-5.39504500	4.81201000 L

C-C_R	21.32788300	-6.73498100	4.24939200 L
C-C_R	20.27643500	-4.40049800	5.11294500 L
N-N_R	22.16411000	-5.72729900	4.45319600 L
C-C_R	21.97594900	-8.03447700	3.99447000 L
C-C_R	21.67820700	-4.54462000	4.84358800 L
C-C_R	19.78230400	-3.19676600	5.66887900 L
C-C_R	21.46007900	-9.24216900	4.47944200 L
C-C_R	23.19935600	-8.06638800	3.31404800 L
C-C_R	22.54888700	-3.44239100	5.01999100 L
C-C_R	20.66469400	-2.11537300	5.90215600 L
C-C_R	18.40859700	-3.07468300	5.99163600 L
C-C_R	22.11560000	-10.43785600	4.26082400 L
H-H_	20.54581800	-9.23994000	5.06135000 L
H-H_	23.62494000	-7.13159800	2.97082700 L
C-C_R	23.85437900	-9.25988600	3.07505900 L
C-C_R	22.04368200	-2.21858600	5.51914900 L
C-C_R	23.92323100	-3.56523800	4.69733200 L
N-N_R	17.28294400	-2.97443800	6.25571900 L
H-H_	21.71604600	-11.36036700	4.66275300 L
C-C_R	23.31597000	-10.46539500	3.54010000 L
H-H_	24.78417600	-9.26776500	2.52132400 L
N-N_R	25.04822100	-3.66461100	4.43414400 L
N-N_R	23.97016500	-11.68486700	3.29784900 L
C-C_R	23.21956600	-12.83298400	2.98359200 L
C-C_R	25.37539900	-11.75610600	3.35778100 L
C-C_R	22.11052000	-12.74187100	2.13733600 L
C-C_R	23.57691700	-14.07930700	3.50827600 L
C-C_R	26.08553500	-12.52044500	2.42808800 L
C-C_R	26.07509100	-11.05908300	4.34810800 L
H-H_	21.83716200	-11.77922700	1.72081100 L
C-C_R	21.37323200	-13.87422600	1.82876700 L
H-H_	24.43055900	-14.15184800	4.17190200 L
C-C_R	22.83913700	-15.20753800	3.18415800 L
H-H_	25.54678400	-13.05159900	1.65243300 L
C-C_R	27.46916000	-12.59159900	2.49651000 L
H-H_	25.52800600	-10.47155500	5.07465800 L
C-C_R	27.45984100	-11.12516200	4.39790200 L
H-H_	20.51874600	-13.78625500	1.16848900 L
C-C_R	21.73280800	-15.11431800	2.34680100 L
H-H_	23.12627900	-16.16628500	3.60263100 L
C-C_R	28.16371800	-11.89222600	3.47739600 L
H-H_	28.00734600	-13.18428000	1.76726700 L
H-H_	27.98868400	-10.57908800	5.17069000 L
H-H_	21.16009200	-15.99946100	2.09936100 L

H-H_	29.24516900	-11.94357200	3.52283000 L
C-C_R	15.94524900	2.63332700	11.56770700 L
H-H_	15.65625100	1.67189800	11.97767800 L
C-C_R	15.45208300	4.93453900	11.09096600 L
H-H_	14.76911700	5.77583800	11.11361300 L
C-C_R	15.06300100	3.70685300	11.61556200 L
H-H_	14.08079500	3.58729000	12.05791600 L
C-C_R	17.20480300	2.78084500	11.00975500 L
C-C_R	17.59467200	4.01306300	10.47463000 L
H-H_	17.89565500	1.94709300	10.98448600 L
N-N_R	18.87099000	4.16553900	9.89745900 L
C-C_R	16.70360200	5.08898700	10.51696800 L
C-C_R	19.41366800	3.13825600	9.10746600 L
C-C_R	19.59782400	5.35285000	10.10124500 L
H-H_	16.99733800	6.04195400	10.09193300 L
C-C_R	20.77516100	2.82917800	9.18885800 L
C-C_R	18.60318900	2.40203000	8.23521700 L
C-C_R	19.60276800	5.97415800	11.35449800 L
C-C_R	20.32250500	5.92657400	9.05302900 L
H-H_	21.40195500	3.36303100	9.89304300 L
C-C_R	21.31600700	1.83535700	8.39622200 L
H-H_	17.54765200	2.62784500	8.16764400 L
C-C_R	19.14885600	1.39733400	7.45896700 L
C-C_R	20.31402800	7.14952100	11.54608900 L
H-H_	19.05126100	5.52687500	12.17221400 L
H-H_	20.31250800	5.45220600	8.07861700 L
C-C_R	21.03844900	7.09560100	9.25649100 L
C-C_R	20.51894400	1.11255300	7.50073900 L
H-H_	22.36705700	1.59522700	8.49339200 L
H-H_	18.51965500	0.81461100	6.79720700 L
H-H_	20.31130400	7.61738500	12.52188100 L
C-C_R	21.03656000	7.71669400	10.50154200 L
H-H_	21.58976200	7.52995500	8.43110600 L
C-C_R	21.05135600	0.01320600	6.67497700 L
H-H_	21.59068000	8.63457200	10.65644200 L
N-N_R	20.22129500	-1.00722400	6.50489900 L
C-C_R	22.36347400	-0.02531300	6.12029500 L
N-N_R	22.84190900	-1.15004000	5.60877500 L
C-C_R	23.26458200	1.13624600	6.01240100 L
C-C_R	22.79769000	2.43213300	5.75825400 L
C-C_R	24.64848700	0.93589000	6.08166000 L
C-C_R	23.67281000	3.49057700	5.61753000 L
H-H_	21.73561900	2.60536800	5.63983100 L
H-H_	25.01883500	-0.06978600	6.23768900 L

C-C_R	25.53130100	1.99279700	5.96041600 L
H-H_	23.29706100	4.48217400	5.39748000 L
C-C_R	25.05283000	3.28903400	5.73309700 L
H-H_	26.59705800	1.82354000	6.04530300 L
N-N_R	25.94061400	4.36991700	5.61342400 L
C-C_R	25.61178400	5.61503500	6.18223600 L
C-C_R	27.16552400	4.20748900	4.93602500 L
C-C_R	24.99050700	5.67844000	7.43315300 L
C-C_R	25.90118200	6.80390400	5.50431300 L
C-C_R	28.33016800	4.80642600	5.42670800 L
C-C_R	27.22990600	3.44423400	3.76724600 L
H-H_	24.77282800	4.75940400	7.96414600 L
C-C_R	24.66607200	6.90474400	7.99001800 L
H-H_	26.37290000	6.75881800	4.53029100 L
C-C_R	25.58289500	8.02546400	6.07593300 L
H-H_	28.28689600	5.38926700	6.33877200 L
C-C_R	29.52966600	4.64662700	4.75139000 L
H-H_	26.32650200	2.98505200	3.38092600 L
C-C_R	28.43752000	3.27912000	3.10981400 L
H-H_	24.19012900	6.93447000	8.96357300 L
C-C_R	24.96235300	8.08574200	7.31815000 L
H-H_	25.81243600	8.93894700	5.53678800 L
C-C_R	29.59352600	3.88164100	3.59284500 L
H-H_	30.42633300	5.11301500	5.14581600 L
H-H_	28.47150300	2.68292400	2.20498400 L
H-H_	24.71487100	9.04340800	7.76003000 L
H-H_	30.53516200	3.75200800	3.07365100 L
C-C_R	13.79928300	-8.86314600	7.38154200 L
H-H_	13.52402100	-7.85136000	7.10455700 L
C-C_R	13.18960200	-11.06540700	8.11705700 L
H-H_	12.43700200	-11.77932700	8.43210800 L
C-C_R	12.81962800	-9.77134400	7.77002000 L
H-H_	11.77933400	-9.47135200	7.80351300 L
C-C_R	15.13145700	-9.24109300	7.33175700 L
C-C_R	15.50473300	-10.54147200	7.68962000 L
H-H_	15.89043000	-8.53481500	7.01769200 L
N-N_R	16.85932800	-10.92697900	7.64927500 L
C-C_R	14.52051900	-11.44982900	8.08604600 L
C-C_R	17.85735400	-10.03675700	8.07714700 L
C-C_R	17.21203000	-12.20978300	7.19178200 L
H-H_	14.80880500	-12.45448400	8.37467200 L
C-C_R	19.07545600	-9.95729000	7.39164100 L
C-C_R	17.65236100	-9.20993100	9.18717000 L
C-C_R	16.55895600	-12.77361700	6.09072400 L

C-C_R	18.21624000	-12.93779100	7.83628000 L
H-H_	19.22616900	-10.55982800	6.50458400 L
C-C_R	20.06681700	-9.09954600	7.82384400 L
H-H_	16.71234500	-9.25860900	9.72358900 L
C-C_R	18.64309800	-8.34159100	9.60413000 L
C-C_R	16.90501200	-14.04373100	5.65282200 L
H-H_	15.78714800	-12.20959900	5.58355200 L
H-H_	18.71729900	-12.50713800	8.69523000 L
C-C_R	18.56207000	-14.20098100	7.38253500 L
C-C_R	19.87968500	-8.28831300	8.95109600 L
H-H_	20.99130400	-9.03541000	7.26423200 L
H-H_	18.47782500	-7.68832300	10.45114300 L
H-H_	16.39391800	-14.46680100	4.79581500 L
C-C_R	17.90873900	-14.76374400	6.29141600 L
H-H_	19.34113500	-14.75281700	7.89663100 L
C-C_R	20.89849200	-7.32779500	9.41419200 L
H-H_	18.17540300	-15.75469500	5.94416200 L
N-N_R	20.41248400	-6.19019300	9.89193500 L
C-C_R	22.30609500	-7.53089300	9.32941500 L
C-C_R	21.25400900	-5.19564700	10.19286900 L
N-N_R	23.14168400	-6.52244700	9.53312000 L
C-C_R	22.95416100	-8.83039000	9.07449300 L
C-C_R	22.65641900	-5.34053300	9.92361100 L
C-C_R	20.76051600	-3.99267800	10.74890200 L
C-C_R	22.43829100	-10.03808200	9.55946500 L
C-C_R	24.17693000	-8.86153600	8.39397200 L
C-C_R	23.52709900	-4.23830300	10.10001400 L
C-C_R	21.64226900	-2.91052100	10.98208000 L
C-C_R	19.38617200	-3.86983100	11.07156000 L
C-C_R	23.09381200	-11.23376900	9.34084700 L
H-H_	21.52403000	-10.03585300	10.14137300 L
H-H_	24.60251500	-7.92674700	8.05075200 L
C-C_R	24.83195400	-10.05503400	8.15498300 L
C-C_R	23.02189400	-3.01449900	10.59917200 L
C-C_R	24.90080500	-4.36038700	9.77725600 L
N-N_R	18.26054400	-3.76969400	11.33464900 L
H-H_	22.69362000	-12.15551500	9.74267700 L
C-C_R	24.29354500	-11.26054300	8.62002500 L
H-H_	25.76175100	-10.06291400	7.60124900 L
N-N_R	26.02643300	-4.46052400	9.51416700 L
N-N_R	24.94774000	-12.48001600	8.37777400 L
C-C_R	24.19777800	-13.62889700	8.06361500 L
C-C_R	26.35361100	-12.55201900	8.43780400 L
C-C_R	23.08809400	-13.53701900	7.21726100 L

C-C_R	24.55449200	-14.87445500	8.58820000 L
C-C_R	27.06374700	-13.31635800	7.50811100 L
C-C_R	27.05330300	-11.85499600	9.42813100 L
H-H_	22.81473700	-12.57437500	6.80073600 L
C-C_R	22.35080700	-14.66937400	6.90869200 L
H-H_	25.40813400	-14.94699600	9.25182600 L
C-C_R	23.81671200	-16.00268600	8.26408300 L
H-H_	26.52502200	-13.84761800	6.73146200 L
C-C_R	28.44673500	-13.38674700	7.57643400 L
H-H_	26.50558100	-11.26670400	10.15458200 L
C-C_R	28.43741500	-11.92031000	9.47782700 L
H-H_	21.49632000	-14.58140400	6.24841300 L
C-C_R	22.71038300	-15.90946600	7.42672600 L
H-H_	24.10385400	-16.96143300	8.68255500 L
C-C_R	29.14131900	-12.68748100	8.55632700 L
H-H_	28.98494600	-13.97953500	6.84619800 L
H-H_	28.96628500	-11.37434300	10.24962100 L
H-H_	22.13766700	-16.79461000	7.17928500 L
H-H_	30.22338200	-12.73948500	8.60285300 L
C-C_R	16.92282400	1.83817800	16.64763200 L
H-H_	16.63382600	0.87674900	17.05760200 L
C-C_R	16.43029500	4.13862600	16.17098900 L
H-H_	15.74671700	4.98058200	16.19254300 L
C-C_R	16.04057600	2.91170400	16.69548600 L
H-H_	15.05837000	2.79214100	17.13784000 L
C-C_R	18.18237700	1.98569700	16.08967900 L
C-C_R	18.57224600	3.21791400	15.55455500 L
H-H_	18.87323000	1.15194500	16.06441000 L
N-N_R	19.84856500	3.37039100	14.97738400 L
C-C_R	17.68117600	4.29383900	15.59689300 L
C-C_R	20.39126800	2.34300100	14.18639700 L
C-C_R	20.57539900	4.55770100	15.18116900 L
H-H_	17.97555000	5.24604200	15.17195600 L
C-C_R	21.75337300	2.03326600	14.26888200 L
C-C_R	19.58140100	1.60611700	13.31524000 L
C-C_R	20.58098000	5.17824500	16.43452100 L
C-C_R	21.30007900	5.13142600	14.13295400 L
H-H_	22.37953000	2.56788300	14.97296800 L
C-C_R	22.29358200	1.04020800	13.47614600 L
H-H_	18.52522700	1.83269600	13.24756800 L
C-C_R	20.12706800	0.60142100	12.53899000 L
C-C_R	21.29160200	6.35437300	16.62601300 L
H-H_	20.02883500	4.73172700	17.25213800 L
H-H_	21.29008300	4.65705800	13.15854100 L

C-C_R	22.01602400	6.30045200	14.33641500 L
C-C_R	21.49715600	0.31664100	12.58076200 L
H-H_	23.34463100	0.80007900	13.57331600 L
H-H_	19.49723000	0.01946200	11.87713100 L
H-H_	21.28887900	6.82223700	17.60180500 L
C-C_R	22.01477200	6.92078200	15.58156500 L
H-H_	22.56797400	6.73404200	13.51112900 L
C-C_R	22.02893000	-0.78194200	11.75490100 L
H-H_	22.56889200	7.83865900	15.73646500 L
N-N_R	21.19886900	-1.80237200	11.58482300 L
C-C_R	23.34104900	-0.82046200	11.20021900 L
N-N_R	23.82012100	-1.94595200	10.68879800 L
C-C_R	24.24279400	0.34033300	11.09242400 L
C-C_R	23.77592800	1.63611300	10.83728300 L
C-C_R	25.62672500	0.13987100	11.16068900 L
C-C_R	24.65104800	2.69455700	10.69655900 L
H-H_	22.71319400	1.81022000	10.71975600 L
H-H_	25.99641000	-0.86493500	11.31761400 L
C-C_R	26.50890200	1.19754200	11.03934600 L
H-H_	24.27463600	3.68702500	10.47740500 L
C-C_R	26.03040500	2.49388600	10.81302200 L
H-H_	27.57463200	1.02839100	11.12522800 L
N-N_R	26.91818900	3.57476800	10.69334900 L
C-C_R	26.58935900	4.81988600	11.26216100 L
C-C_R	28.14309900	3.41234100	10.01594900 L
C-C_R	25.96871900	4.88252700	12.51317600 L
C-C_R	26.87939400	6.00799100	10.58433600 L
C-C_R	29.30774200	4.01127700	10.50663200 L
C-C_R	28.20748000	2.64908600	8.84717100 L
H-H_	25.75040200	3.96425600	13.04407100 L
C-C_R	25.64364700	6.10959600	13.06994300 L
H-H_	27.35047500	5.96367000	9.61021600 L
C-C_R	26.56046900	7.23031600	11.15585700 L
H-H_	29.26447100	4.59411800	11.41869700 L
C-C_R	30.50724100	3.85147900	9.83131400 L
H-H_	27.30407700	2.18990300	8.46085000 L
C-C_R	29.41509500	2.48397200	8.18973800 L
H-H_	25.16770400	6.13932100	14.04349700 L
C-C_R	25.93992800	7.29059400	12.39807400 L
H-H_	26.79001100	8.14379800	10.61671200 L
C-C_R	30.57110100	3.08649300	8.67277000 L
H-H_	31.40390700	4.31786600	10.22574100 L
H-H_	29.44907800	1.88777600	7.28490800 L
H-H_	25.69244600	8.24825900	12.83995500 L

H-H_	31.51273600	2.95686000	8.15357600 L
C-C_R	-28.44107500	-1.44823200	-9.41028900 L
H-H_	-28.71567400	-0.43731700	-9.68816900 L
C-C_R	-29.05088900	-3.65189400	-8.67462700 L
H-H_	-29.80269300	-4.36528500	-8.36061800 L
C-C_R	-29.42009200	-2.35719400	-9.02171300 L
H-H_	-30.46113100	-2.05794500	-8.98916500 L
C-C_R	-27.10826400	-1.82694300	-9.45997500 L
C-C_R	-26.73559900	-3.12666500	-9.10320500 L
H-H_	-26.35003500	-1.12140900	-9.77498500 L
N-N_R	-25.38113700	-3.51357200	-9.14340300 L
C-C_R	-27.71917600	-4.03578700	-8.70668000 L
C-C_R	-24.38234000	-2.62271400	-8.71558000 L
C-C_R	-25.02846000	-4.79626900	-9.59990200 L
H-H_	-27.43089000	-5.04044200	-8.41805400 L
C-C_R	-23.16423900	-2.54324700	-9.40108500 L
C-C_R	-24.58810400	-1.79652500	-7.60550800 L
C-C_R	-25.68150900	-5.36021000	-10.70195400 L
C-C_R	-24.02345500	-5.52374800	-8.95644700 L
H-H_	-23.01429600	-3.14642200	-10.28809400 L
C-C_R	-22.17290300	-1.68539600	-8.96788900 L
H-H_	-25.52812000	-1.84520200	-7.06908900 L
C-C_R	-23.59659700	-0.92754800	-7.18859700 L
C-C_R	-25.33468300	-6.62968800	-11.13990500 L
H-H_	-26.45254700	-4.79555700	-11.20917400 L
H-H_	-23.52239600	-5.09309500	-8.09749600 L
C-C_R	-23.67765100	-6.78683100	-9.40919800 L
C-C_R	-22.36001000	-0.87427000	-7.84163000 L
H-H_	-21.24841700	-1.62126000	-9.52750100 L
H-H_	-23.76264000	-0.27491600	-6.34153500 L
H-H_	-25.84654700	-7.05339400	-11.99686300 L
C-C_R	-24.33095600	-7.34970200	-10.50131100 L
H-H_	-22.89933000	-7.33941000	-8.89604700 L
C-C_R	-21.34197300	0.08561100	-7.37848600 L
H-H_	-24.06429200	-8.34065200	-10.84856500 L
N-N_R	-21.82798100	1.22321400	-6.90074300 L
C-C_R	-19.93439600	-0.11738000	-7.46226900 L
C-C_R	-20.98645600	2.21776000	-6.59980800 L
N-N_R	-19.09801100	0.89159600	-7.25960600 L
C-C_R	-19.28553400	-1.41634700	-7.71823400 L
C-C_R	-19.58330100	2.07361700	-6.86812100 L
C-C_R	-21.47917900	3.42136400	-6.04382500 L
C-C_R	-19.80281100	-2.62391100	-7.23331100 L
C-C_R	-18.06276500	-1.44749400	-8.39875400 L

C-C_R	-18.71336600	3.17510300	-6.69266400 L
C-C_R	-20.59822200	4.50299200	-5.80960400 L
C-C_R	-22.85429300	3.54357600	-5.72111700 L
C-C_R	-19.14588300	-3.81972600	-7.45188000 L
H-H_	-20.71630200	-2.62104600	-6.65145200 L
H-H_	-17.63718000	-0.51270400	-8.74197500 L
C-C_R	-17.40851100	-2.64162700	-8.63769500 L
C-C_R	-19.21857100	4.39890800	-6.19350600 L
C-C_R	-17.33891500	3.05376300	-7.01447600 L
N-N_R	-23.97994600	3.64382000	-5.45703500 L
H-H_	-19.54684500	-4.74210900	-7.05000100 L
C-C_R	-17.94692000	-3.84713700	-8.17265300 L
H-H_	-16.47794400	-2.64887100	-9.19147800 L
N-N_R	-16.21326200	2.95351900	-7.27855900 L
N-N_R	-17.29195500	-5.06597300	-8.41495300 L
C-C_R	-18.04191700	-6.21485400	-8.72911200 L
C-C_R	-15.88608400	-5.13797600	-8.35492200 L
C-C_R	-19.15237100	-6.12361300	-9.57541700 L
C-C_R	-17.68520300	-7.46041300	-8.20452600 L
C-C_R	-15.17671800	-5.90295100	-9.28456700 L
C-C_R	-15.18639200	-4.44095300	-7.36459500 L
H-H_	-19.42572800	-5.16096900	-9.99194200 L
C-C_R	-19.88891400	-7.25522500	-9.88304100 L
H-H_	-16.83233100	-7.53358900	-7.54085200 L
C-C_R	-18.42300800	-8.58853600	-8.52765000 L
H-H_	-15.71469800	-6.43346800	-10.06027100 L
C-C_R	-13.79373000	-5.97334100	-9.21624400 L
H-H_	-15.73488400	-3.85329700	-6.63809600 L
C-C_R	-13.80305000	-4.50690400	-7.31485100 L
H-H_	-20.74337500	-7.16736100	-10.54431300 L
C-C_R	-19.52931200	-8.49542400	-9.36600100 L
H-H_	-18.13661100	-9.54802700	-8.11012300 L
C-C_R	-13.09840200	-5.27333200	-8.23540600 L
H-H_	-13.25554400	-6.56602200	-9.94548600 L
H-H_	-13.27420600	-3.96083000	-6.54206300 L
H-H_	-20.10202800	-9.38056700	-9.61344100 L
H-H_	-12.01631300	-5.32544200	-8.18987400 L
C-C_R	-25.31764100	9.25158500	-0.14504600 L
H-H_	-25.60586900	8.29079200	0.26487600 L
C-C_R	-25.81017000	11.55203300	-0.62168900 L
H-H_	-26.49377400	12.39409600	-0.59914100 L
C-C_R	-26.19988900	10.32511100	-0.09719200 L
H-H_	-27.18132500	10.20618400	0.34511300 L
C-C_R	-24.05731800	9.39973900	-0.70304700 L

C-C_R	-23.66744800	10.63195700	-1.23817200 L
H-H_	-23.36723600	8.56535100	-0.72826800 L
N-N_R	-22.39190000	10.78379800	-1.81529400 L
C-C_R	-24.55851800	11.70788100	-1.19583400 L
C-C_R	-21.84845200	9.75715000	-2.60533600 L
C-C_R	-21.66506600	11.97110800	-1.61150900 L
H-H_	-24.26414500	12.66008400	-1.62077000 L
C-C_R	-20.48632200	9.44730800	-2.52384500 L
C-C_R	-22.65829400	9.02016000	-3.47748700 L
C-C_R	-21.65871400	12.59228800	-0.35820600 L
C-C_R	-20.94038600	12.54483300	-2.65972400 L
H-H_	-19.86016500	9.98192600	-1.81975900 L
C-C_R	-19.94613900	8.45435800	-3.31558600 L
H-H_	-23.71526400	9.24621000	-3.54411600 L
C-C_R	-22.11403400	8.01559200	-4.25378700 L
C-C_R	-20.94886300	13.76778000	-0.16666500 L
H-H_	-22.21086000	12.14576900	0.45941200 L
H-H_	-20.94963700	12.07120700	-3.63319100 L
C-C_R	-20.22446700	13.71396600	-2.45526900 L
C-C_R	-20.74330900	7.73004700	-4.21191600 L
H-H_	-18.89508900	8.21422800	-3.21841700 L
H-H_	-22.74326000	7.43297600	-4.91455300 L
H-H_	-20.95161100	14.23575000	0.81012100 L
C-C_R	-20.22556000	14.33558800	-1.21126000 L
H-H_	-19.67174600	14.14819200	-3.28060300 L
C-C_R	-20.21076400	6.63210100	-5.03782600 L
H-H_	-19.67159900	15.25217300	-1.05521900 L
N-N_R	-21.04082500	5.61167100	-5.20790300 L
C-C_R	-18.89941600	6.59294500	-5.59245900 L
N-N_R	-18.41957400	5.46809000	-6.10392800 L
C-C_R	-17.99753800	7.75514000	-5.70040100 L
C-C_R	-18.46456300	9.04962700	-5.95440100 L
C-C_R	-16.61299500	7.55402000	-5.63104400 L
C-C_R	-17.58931000	10.10947100	-6.09527200 L
H-H_	-19.52650100	9.22426300	-6.07297100 L
H-H_	-16.24328500	6.54910800	-5.47511300 L
C-C_R	-15.73158900	8.61105500	-5.75233800 L
H-H_	-17.96582900	11.10043200	-6.31527300 L
C-C_R	-16.21006000	9.90729200	-5.97965600 L
H-H_	-14.66583300	8.44179800	-5.66745000 L
N-N_R	-15.32150600	10.98881100	-6.09937800 L
C-C_R	-15.65110600	12.23329300	-5.53051700 L
C-C_R	-14.09662200	10.82649100	-6.77578300 L
C-C_R	-16.27097600	12.29657000	-4.27955000 L

C-C_R	-15.36170900	13.42216200	-6.20844000 L
C-C_R	-12.93195300	11.42532000	-6.28609500 L
C-C_R	-14.03298500	10.06249200	-7.94550700 L
H-H_	-16.49006300	11.37766200	-3.74860700 L
C-C_R	-16.59604800	13.52363800	-3.72278400 L
H-H_	-14.88922000	13.37771200	-7.18251100 L
C-C_R	-15.67922500	14.64435800	-5.63687000 L
H-H_	-12.97522400	12.00816100	-5.37403000 L
C-C_R	-11.73248000	11.26562800	-6.96041800 L
H-H_	-14.93561800	9.60394600	-8.33187600 L
C-C_R	-12.82460000	9.89801400	-8.60298900 L
H-H_	-17.07201700	13.55347100	-2.74823600 L
C-C_R	-16.29979300	14.70474300	-4.39365800 L
H-H_	-15.45047900	15.55731200	-6.17497200 L
C-C_R	-11.66936400	10.49990000	-8.11990800 L
H-H_	-10.83578700	11.73190900	-6.56698600 L
H-H_	-12.79061700	9.30181800	-9.50781800 L
H-H_	-16.54724900	15.66230200	-3.95277200 L
H-H_	-10.72695900	10.37090300	-8.63915100 L
C-C_R	-27.46286300	-2.24414500	-4.33026600 L
H-H_	-27.73809900	-1.23246600	-4.60824500 L
C-C_R	-28.07328800	-4.44714900	-3.59569700 L
H-H_	-28.82448100	-5.16119700	-3.28059500 L
C-C_R	-28.44251700	-3.15234300	-3.94178900 L
H-H_	-29.48355600	-2.85309400	-3.90924100 L
C-C_R	-26.13068900	-2.62209200	-4.38005100 L
C-C_R	-25.75738700	-3.92257800	-4.02318200 L
H-H_	-25.37246000	-1.91655700	-4.69506100 L
N-N_R	-24.40356200	-4.30872100	-4.06347800 L
C-C_R	-26.74096400	-4.83169900	-3.62665700 L
C-C_R	-23.40412800	-3.41862700	-3.63555700 L
C-C_R	-24.05022300	-5.59228900	-4.52087300 L
H-H_	-26.45331500	-5.83559000	-3.33813000 L
C-C_R	-22.18666400	-3.33839600	-4.32116100 L
C-C_R	-23.61052900	-2.59167300	-2.52558400 L
C-C_R	-24.70329700	-6.15612300	-5.62193100 L
C-C_R	-23.04524300	-6.31966100	-3.87642400 L
H-H_	-22.03608400	-3.94233400	-5.20807100 L
C-C_R	-21.19532900	-2.48054500	-3.88796500 L
H-H_	-24.54990800	-2.64111500	-1.98906600 L
C-C_R	-22.61838500	-1.72346100	-2.10857400 L
C-C_R	-24.35710800	-7.42483700	-6.05998000 L
H-H_	-25.47497200	-5.59070500	-6.12925000 L
H-H_	-22.54482100	-5.88824400	-3.01757200 L

C-C_R	-22.69943900	-7.58274400	-4.32917500 L
C-C_R	-21.38179800	-1.67018300	-2.76160700 L
H-H_	-20.27020500	-2.41717300	-4.44747700 L
H-H_	-22.78506500	-1.07006500	-1.26161000 L
H-H_	-24.86897200	-7.84854200	-6.91693900 L
C-C_R	-23.35338100	-8.14485000	-5.42138600 L
H-H_	-21.92175500	-8.13455900	-3.81612300 L
C-C_R	-20.36439800	-0.70953700	-2.29856200 L
H-H_	-23.08671700	-9.13580000	-5.76864000 L
N-N_R	-20.85040600	0.42806500	-1.82081900 L
C-C_R	-18.95679600	-0.91263500	-2.38333900 L
C-C_R	-20.00824400	1.42184700	-1.51978500 L
N-N_R	-18.11979900	0.09568300	-2.17958300 L
C-C_R	-18.30795900	-2.21149600	-2.63831000 L
C-C_R	-18.60570100	1.27836100	-1.78919100 L
C-C_R	-20.50160400	2.62621600	-0.96390000 L
C-C_R	-18.82459900	-3.41982400	-2.15328800 L
C-C_R	-17.08519000	-2.24264200	-3.31883000 L
C-C_R	-17.73579200	2.37995500	-1.61274000 L
C-C_R	-19.62000900	3.70708000	-0.72958100 L
C-C_R	-21.87671800	2.74842700	-0.64119300 L
C-C_R	-18.16830800	-4.61487400	-2.37195600 L
H-H_	-19.73809000	-3.41695800	-1.57142900 L
H-H_	-16.65960500	-1.30785300	-3.66205100 L
C-C_R	-16.43093600	-3.43677600	-3.55777100 L
C-C_R	-18.24099600	3.60376000	-1.11358200 L
C-C_R	-16.36070300	2.25785000	-1.93445300 L
N-N_R	-23.00173400	2.84790700	-0.37701100 L
H-H_	-18.56863200	-5.53802100	-1.96997800 L
C-C_R	-16.96870800	-4.64304900	-3.09263000 L
H-H_	-15.49973200	-3.44478400	-4.11145500 L
N-N_R	-15.23568700	2.15837000	-2.19863500 L
N-N_R	-16.31438000	-5.86112100	-3.33502900 L
C-C_R	-17.06434200	-7.01000200	-3.64918800 L
C-C_R	-14.90850900	-5.93312500	-3.27499800 L
C-C_R	-18.17479600	-6.91876100	-4.49549300 L
C-C_R	-16.70762800	-8.25556100	-3.12460200 L
C-C_R	-14.19914300	-6.69810000	-4.20464200 L
C-C_R	-14.20881700	-5.23610200	-2.28467100 L
H-H_	-18.44751600	-5.95688100	-4.91191900 L
C-C_R	-18.91067600	-8.05124400	-4.80401200 L
H-H_	-15.85475700	-8.32873800	-2.46092700 L
C-C_R	-17.44479600	-9.38444900	-3.44762700 L
H-H_	-14.73712400	-7.22861700	-4.98034600 L

C-C_R	-12.81615500	-6.76848900	-4.13632000 L
H-H_	-14.75731000	-4.64844600	-1.55817100 L
C-C_R	-12.82547500	-5.30205200	-2.23492700 L
H-H_	-19.76580000	-7.96251000	-5.46438900 L
C-C_R	-18.55110000	-9.29133600	-4.28597800 L
H-H_	-17.15903600	-10.34317500	-3.03019800 L
C-C_R	-12.12019000	-6.06924400	-3.15538300 L
H-H_	-12.27796900	-7.36117000	-4.86556200 L
H-H_	-12.29663100	-4.75597800	-1.46213900 L
H-H_	-19.12445300	-10.17571500	-4.53351700 L
H-H_	-11.03873900	-6.12059100	-3.10995000 L
C-C_R	-24.34006600	8.45643700	4.93487800 L
H-H_	-24.62765700	7.49487900	5.34489900 L
C-C_R	-24.83259500	10.75688500	4.45823500 L
H-H_	-25.51556200	11.59818300	4.48088200 L
C-C_R	-25.22167700	9.52919800	4.98283100 L
H-H_	-26.20375000	9.41103500	5.42503800 L
C-C_R	-23.07974300	8.60459100	4.37687700 L
C-C_R	-22.68923600	9.83604400	3.84185100 L
H-H_	-22.38902300	7.76943900	4.35175500 L
N-N_R	-21.41368800	9.98788500	3.26472900 L
C-C_R	-23.58094400	10.91273300	3.88409100 L
C-C_R	-20.87024000	8.96123800	2.47468700 L
C-C_R	-20.68749100	11.17595900	3.46841500 L
H-H_	-23.28657000	11.86493600	3.45915400 L
C-C_R	-19.50874700	8.65216000	2.55607900 L
C-C_R	-21.68071900	8.22501100	1.60243800 L
C-C_R	-20.68114000	11.79714000	4.72171900 L
C-C_R	-19.96281100	11.74968400	2.42020000 L
H-H_	-18.88259000	9.18677700	3.26016500 L
C-C_R	-18.96790100	7.65833800	1.76344300 L
H-H_	-22.73766400	8.45095500	1.53481500 L
C-C_R	-21.13582200	7.21968000	0.82623600 L
C-C_R	-19.97128800	12.97263100	4.91326000 L
H-H_	-21.23328500	11.35062100	5.53933600 L
H-H_	-19.97203700	11.27595200	1.44573900 L
C-C_R	-19.24686700	12.91871100	2.62366100 L
C-C_R	-19.76573400	6.93489900	0.86800800 L
H-H_	-17.91748900	7.41897300	1.86051400 L
H-H_	-21.76566000	6.63772000	0.16437800 L
H-H_	-19.97401100	13.44049500	5.88905100 L
C-C_R	-19.24734800	13.53967600	3.86876300 L
H-H_	-18.69414600	13.35293600	1.79832700 L
C-C_R	-19.23319000	5.83695200	0.04209900 L

H-H_	-18.69399900	14.45691700	4.02371200 L
N-N_R	-20.06261300	4.81575800	-0.12788000 L
C-C_R	-17.92184100	5.79779700	-0.51253400 L
N-N_R	-17.44199900	4.67294200	-1.02400400 L
C-C_R	-17.01932600	6.95922800	-0.62037800 L
C-C_R	-17.48698800	8.25447800	-0.87447700 L
C-C_R	-15.63542100	6.75887200	-0.55111900 L
C-C_R	-16.61109800	9.31355800	-1.01524900 L
H-H_	-18.54828900	8.42835000	-0.99294800 L
H-H_	-15.26507300	5.75319500	-0.39509000 L
C-C_R	-14.75401400	7.81590700	-0.67241400 L
H-H_	-16.98825500	10.30528300	-1.23534900 L
C-C_R	-15.23248500	9.11214400	-0.89973200 L
H-H_	-13.68825800	7.64664900	-0.58752600 L
N-N_R	-14.34393200	10.19366300	-1.01945400 L
C-C_R	-14.67353200	11.43814400	-0.45059300 L
C-C_R	-13.11902100	10.03123500	-1.69685300 L
C-C_R	-15.29340100	11.50142100	0.80037400 L
C-C_R	-14.38349700	12.62625000	-1.12841700 L
C-C_R	-11.95437800	10.63017200	-1.20617000 L
C-C_R	-13.05541000	9.26734400	-2.86558300 L
H-H_	-15.51185100	10.58175000	1.33141600 L
C-C_R	-15.61783600	12.72772600	1.35723900 L
H-H_	-13.91164500	12.58256400	-2.10258700 L
C-C_R	-14.70165100	13.84921000	-0.55694500 L
H-H_	-11.99764900	11.21301200	-0.29410500 L
C-C_R	-10.75426800	10.46971600	-1.88039500 L
H-H_	-13.95804300	8.80879700	-3.25195200 L
C-C_R	-11.84638800	9.10210200	-3.52296600 L
H-H_	-16.09380500	12.75755800	2.33178700 L
C-C_R	-15.32219300	13.90948800	0.68527200 L
H-H_	-14.47287900	14.76205700	-1.09604200 L
C-C_R	-10.69115200	9.70398700	-3.03988500 L
H-H_	-9.85757500	10.93599600	-1.48696300 L
H-H_	-11.81304200	8.50667000	-4.42789400 L
H-H_	-15.56967400	14.86715400	1.12715300 L
H-H_	-9.74938400	9.57575400	-3.55922700 L
C-C_R	-26.48526300	-3.03940000	0.74866400 L
H-H_	-26.76052400	-2.02761400	0.47167900 L
C-C_R	-27.09571400	-5.24229700	1.48422700 L
H-H_	-27.84690600	-5.95634600	1.79932900 L
C-C_R	-27.46494300	-3.94749100	1.13813600 L
H-H_	-28.50598100	-3.64824200	1.17068400 L
C-C_R	-25.15311400	-3.41724000	0.69987300 L

C-C_R	-24.77981200	-4.71772600	1.05674300 L
H-H_	-24.39424800	-2.71247000	0.38496200 L
N-N_R	-23.42598700	-5.10386900	1.01644600 L
C-C_R	-25.76339000	-5.62684800	1.45326700 L
C-C_R	-22.42655400	-4.21377500	1.44436800 L
C-C_R	-23.07264800	-6.38743700	0.55905200 L
H-H_	-25.47574100	-6.63073800	1.74179400 L
C-C_R	-21.20909000	-4.13354400	0.75876300 L
C-C_R	-22.63295400	-3.38682100	2.55434100 L
C-C_R	-23.72572300	-6.95127100	-0.54200700 L
C-C_R	-22.06766800	-7.11480900	1.20350000 L
H-H_	-21.05851000	-4.73748300	-0.12814600 L
C-C_R	-20.21709100	-3.27656400	1.19106400 L
H-H_	-23.57233300	-3.43626300	3.09085900 L
C-C_R	-21.64081000	-2.51860900	2.97135100 L
C-C_R	-23.37889600	-8.22074900	-0.97995700 L
H-H_	-24.49676000	-6.38661800	-1.04922700 L
H-H_	-21.56724600	-6.68339200	2.06235200 L
C-C_R	-21.72186400	-8.37789200	0.75074900 L
C-C_R	-20.40422300	-2.46533100	2.31831700 L
H-H_	-19.29260400	-3.21242800	0.63145300 L
H-H_	-21.80685300	-1.86597700	3.81841300 L
H-H_	-23.89139800	-8.64369100	-1.83701400 L
C-C_R	-22.37580600	-8.93999900	-0.34146200 L
H-H_	-20.94354300	-8.93047100	1.26390000 L
C-C_R	-19.38682400	-1.50468500	2.78136200 L
H-H_	-22.10850500	-9.93171300	-0.68861700 L
N-N_R	-19.87219400	-0.36784700	3.25920400 L
C-C_R	-17.97922100	-1.70778400	2.69658600 L
C-C_R	-19.03066900	0.62669900	3.56013900 L
N-N_R	-17.14222400	-0.69946500	2.90034100 L
C-C_R	-17.33038400	-3.00664400	2.44161500 L
C-C_R	-17.62812600	0.48321300	3.29073300 L
C-C_R	-19.52403000	1.83106700	4.11602400 L
C-C_R	-17.84702500	-4.21497200	2.92663600 L
C-C_R	-16.10697800	-3.03855500	1.76119300 L
C-C_R	-16.75821700	1.58480600	3.46718400 L
C-C_R	-18.64240900	2.91182400	4.34935000 L
C-C_R	-20.89850600	1.95251500	4.43883000 L
C-C_R	-17.19073300	-5.41002300	2.70796900 L
H-H_	-18.76051500	-4.21210700	3.50849500 L
H-H_	-15.68139300	-2.10376500	1.41797200 L
C-C_R	-15.45272400	-4.23268800	1.52225200 L
C-C_R	-17.26342200	2.80861100	3.96634300 L

C-C_R	-15.38310300	1.46259500	3.14447700 L
N-N_R	-22.02415900	2.05275900	4.70291300 L
H-H_	-17.59105800	-6.33317000	3.10994700 L
C-C_R	-15.99113300	-5.43819800	1.98729400 L
H-H_	-14.52215800	-4.23993200	0.96847000 L
N-N_R	-14.25811200	1.36322200	2.88129000 L
N-N_R	-15.33616800	-6.65703400	1.74499400 L
C-C_R	-16.08676700	-7.80515100	1.43073700 L
C-C_R	-13.93093500	-6.72827300	1.80492600 L
C-C_R	-17.19658400	-7.71467400	0.58453000 L
C-C_R	-15.73005300	-9.05071000	1.95532200 L
C-C_R	-13.22156800	-7.49324800	0.87528200 L
C-C_R	-13.23124200	-6.03125000	2.79525300 L
H-H_	-17.46994100	-6.75203000	0.16800500 L
C-C_R	-17.93310100	-8.84639300	0.27591300 L
H-H_	-14.87718200	-9.12388600	2.61899700 L
C-C_R	-16.46719600	-10.17970400	1.63130400 L
H-H_	-13.75954900	-8.02376500	0.09957800 L
C-C_R	-11.83858100	-7.56363800	0.94360500 L
H-H_	-13.77909800	-5.44435800	3.52185200 L
C-C_R	-11.84726300	-6.09796500	2.84509600 L
H-H_	-18.78758800	-8.75842200	-0.38436600 L
C-C_R	-17.57352500	-10.08648500	0.79394700 L
H-H_	-16.18082400	-11.13908800	2.04982500 L
C-C_R	-11.14261500	-6.86439300	1.92454200 L
H-H_	-11.29975700	-8.15708300	0.21446100 L
H-H_	-11.31841900	-5.55189100	3.61788400 L
H-H_	-18.14687800	-10.97086400	0.54640800 L
H-H_	-10.06116400	-6.91573900	1.96997500 L
C-C_R	-23.36185400	7.66052400	10.01490100 L
H-H_	-23.65008200	6.69973100	10.42482300 L
C-C_R	-23.85502000	9.96173600	9.53815900 L
H-H_	-24.53798700	10.80303500	9.56080700 L
C-C_R	-24.24410200	8.73405000	10.06275500 L
H-H_	-25.22553800	8.61512300	10.50506100 L
C-C_R	-22.10153100	7.80867800	9.45690000 L
C-C_R	-21.71166200	9.04089600	8.92177500 L
H-H_	-21.41144900	6.97429000	9.43168000 L
N-N_R	-20.43611300	9.19273700	8.34465300 L
C-C_R	-22.60336900	10.11758500	8.96401500 L
C-C_R	-19.89266500	8.16608900	7.55461100 L
C-C_R	-19.70927900	10.38004700	8.54843800 L
H-H_	-22.30899600	11.06978700	8.53907900 L
C-C_R	-18.53117200	7.85701200	7.63600400 L

C-C_R	-20.70314500	7.42986300	6.68236200 L
C-C_R	-19.70356500	11.00199100	9.80164300 L
C-C_R	-18.98459900	10.95377200	7.50022300 L
H-H_	-17.90437800	8.39086500	8.34018800 L
C-C_R	-17.99032600	6.86319000	6.84336700 L
H-H_	-21.76008900	7.65580600	6.61473900 L
C-C_R	-20.15824700	6.42453100	5.90616100 L
C-C_R	-18.99307600	12.17671900	9.99328300 L
H-H_	-20.25507300	10.55470800	10.61935900 L
H-H_	-18.99446200	10.48080400	6.52566300 L
C-C_R	-18.26865500	12.12279800	7.70368400 L
C-C_R	-18.78816000	6.13975000	5.94793200 L
H-H_	-16.93927700	6.62306000	6.94053700 L
H-H_	-20.78744800	5.84180800	5.24440100 L
H-H_	-18.99643600	12.64534600	10.96897600 L
C-C_R	-18.26977300	12.74452700	8.94868700 L
H-H_	-17.71657100	12.55778800	6.87825100 L
C-C_R	-18.25497800	5.04104000	5.12212200 L
H-H_	-17.71642400	13.66176900	9.10363600 L
N-N_R	-19.08503900	4.02061000	4.95204400 L
C-C_R	-16.94362900	5.00188400	4.56748900 L
N-N_R	-16.46442500	3.87779400	4.05592000 L
C-C_R	-16.04175100	6.16407900	4.45954700 L
C-C_R	-16.50941400	7.45933000	4.20544800 L
C-C_R	-14.65784600	5.96372300	4.52880500 L
C-C_R	-15.63352300	8.51841000	4.06467500 L
H-H_	-17.57071400	7.63320200	4.08697600 L
H-H_	-14.28749800	4.95804700	4.68483500 L
C-C_R	-13.77644000	7.02075900	4.40751100 L
H-H_	-16.01004200	9.50937100	3.84467400 L
C-C_R	-14.25427300	8.31623100	4.18029100 L
H-H_	-12.71004600	6.85073700	4.49249700 L
N-N_R	-13.36571900	9.39775000	4.06056900 L
C-C_R	-13.69595700	10.64299600	4.62933100 L
C-C_R	-12.14144700	9.23608700	3.38307200 L
C-C_R	-14.31582600	10.70627300	5.88029800 L
C-C_R	-13.40592200	11.83110100	3.95150700 L
C-C_R	-10.97616600	9.83425900	3.87385300 L
C-C_R	-12.07783500	8.47219500	2.21434200 L
H-H_	-14.53427600	9.78660100	6.41134000 L
C-C_R	-14.64026100	11.93257700	6.43716300 L
H-H_	-12.93343300	11.78665100	2.97743600 L
C-C_R	-13.72343900	13.05329700	4.52307800 L
H-H_	-11.01943700	10.41710000	4.78591800 L

C-C_R	-9.77666800	9.67446000	3.19853500 L
H-H_	-12.97983100	8.01288500	1.82807100 L
C-C_R	-10.86881300	8.30695300	1.55695900 L
H-H_	-15.11620500	11.96230300	7.41071800 L
C-C_R	-14.34398100	13.11357500	5.76529500 L
H-H_	-13.49530400	13.96690800	3.98388300 L
C-C_R	-9.71357700	8.90883900	2.04003900 L
H-H_	-8.88000100	10.14084800	3.59296200 L
H-H_	-10.83483000	7.71075700	0.65212900 L
H-H_	-14.59210000	14.07200500	6.20707700 L
H-H_	-8.77117200	8.77984200	1.52079600 L
C-C_R	-25.50768800	-3.83454900	5.82858900 L
H-H_	-25.78231200	-2.82352700	5.55170200 L
C-C_R	-26.11750200	-6.03821000	6.56425000 L
H-H_	-26.86933100	-6.75149400	6.87925300 L
C-C_R	-26.48670500	-4.74351100	6.21716500 L
H-H_	-27.52776900	-4.44415500	6.25070700 L
C-C_R	-24.17487700	-4.21326000	5.77890300 L
C-C_R	-23.80223800	-5.51287500	6.13666700 L
H-H_	-23.41667300	-3.50761800	5.46488600 L
N-N_R	-22.44777500	-5.89978200	6.09646900 L
C-C_R	-24.78581500	-6.42199600	6.53319200 L
C-C_R	-21.44897900	-5.00892400	6.52429200 L
C-C_R	-22.09507300	-7.18258600	5.63897600 L
H-H_	-24.49752900	-7.42665100	6.82181700 L
C-C_R	-20.23087800	-4.92945700	5.83878600 L
C-C_R	-21.65474200	-4.18273400	7.63436400 L
C-C_R	-22.74814800	-7.74642000	4.53791800 L
C-C_R	-21.09009300	-7.90995800	6.28342500 L
H-H_	-20.08093500	-5.53263100	4.95177800 L
C-C_R	-19.23951600	-4.07171300	6.27098900 L
H-H_	-22.59475900	-4.23141200	8.17078300 L
C-C_R	-20.66323500	-3.31375800	8.05127500 L
C-C_R	-22.40132100	-9.01589800	4.09996700 L
H-H_	-23.51918600	-7.18176600	4.03069700 L
H-H_	-20.58903400	-7.47930500	7.14237500 L
C-C_R	-20.74426400	-9.17314800	5.82968000 L
C-C_R	-19.42664900	-3.26047900	7.39824200 L
H-H_	-18.31503000	-4.00757700	5.71137700 L
H-H_	-20.82927800	-2.66112600	8.89833700 L
H-H_	-22.91318600	-9.43960300	3.24300900 L
C-C_R	-21.39759400	-9.73591100	4.73856100 L
H-H_	-19.96596800	-9.72562000	6.34382500 L
C-C_R	-18.40861100	-2.30059800	7.86138500 L

H-H_	-21.13093000	-10.72686100	4.39130700 L
N-N_R	-18.89461900	-1.16299600	8.33912800 L
C-C_R	-17.00100900	-2.50369600	7.77660900 L
C-C_R	-18.05309400	-0.16845000	8.64006300 L
N-N_R	-16.16464900	-1.49461400	7.98026500 L
C-C_R	-16.35217200	-3.80255700	7.52163800 L
C-C_R	-16.64991400	-0.31270000	8.37075600 L
C-C_R	-18.54581800	1.03515500	9.19604700 L
C-C_R	-16.86945000	-5.01012100	8.00656100 L
C-C_R	-15.12940300	-3.83370300	6.84111800 L
C-C_R	-15.78000500	0.78889400	8.54720700 L
C-C_R	-17.66483400	2.11667600	9.42927400 L
C-C_R	-19.92093200	1.15736600	9.51875400 L
C-C_R	-16.21252100	-6.20593500	7.78799200 L
H-H_	-17.78294100	-5.00725500	8.58841900 L
H-H_	-14.70381900	-2.89891400	6.49789700 L
C-C_R	-14.47514900	-5.02783700	6.60217700 L
C-C_R	-16.28520900	2.01269900	9.04636600 L
C-C_R	-14.40552800	0.66744700	8.22440200 L
N-N_R	-21.04655900	1.25750400	9.78184300 L
H-H_	-16.61348300	-7.12831800	8.18987100 L
C-C_R	-15.01355800	-6.23334600	7.06721900 L
H-H_	-13.54458300	-5.03508100	6.04839400 L
N-N_R	-13.27990000	0.56730900	7.96131300 L
N-N_R	-14.35859300	-7.45218200	6.82491900 L
C-C_R	-15.10855500	-8.60106300	6.51076000 L
C-C_R	-12.95272300	-7.52418600	6.88494900 L
C-C_R	-16.21900900	-8.50982200	5.66445500 L
C-C_R	-14.75184100	-9.84662200	7.03534500 L
C-C_R	-12.24335600	-8.28916100	5.95530500 L
C-C_R	-12.25303000	-6.82716300	7.87527600 L
H-H_	-16.49236700	-7.54717800	5.24793000 L
C-C_R	-16.95552600	-9.64154100	5.35583700 L
H-H_	-13.89897000	-9.91979900	7.69902000 L
C-C_R	-15.48962100	-10.97485300	6.71122800 L
H-H_	-12.78131100	-8.81978500	5.17860700 L
C-C_R	-10.86036900	-8.35955000	6.02362800 L
H-H_	-12.80152300	-6.23950700	8.60177600 L
C-C_R	-10.86968800	-6.89311300	7.92502100 L
H-H_	-17.81001300	-9.55357100	4.69555800 L
C-C_R	-16.59595000	-10.88163300	5.87387100 L
H-H_	-15.20324900	-11.93423600	7.12974900 L
C-C_R	-10.16501500	-7.65964800	7.00347200 L
H-H_	-10.32215700	-8.95233800	5.29339200 L

H-H_	-10.34081900	-6.34714600	8.69681500 L
H-H_	-17.16866600	-11.76677600	5.62643100 L
H-H_	-9.08295200	-7.71165200	7.04999800 L
C-C_R	-22.38427900	6.86537600	15.09482600 L
H-H_	-22.67250700	5.90458300	15.50474700 L
C-C_R	-22.87680800	9.16582400	14.61818200 L
H-H_	-23.56038700	10.00778000	14.63973700 L
C-C_R	-23.26652800	7.93890100	15.14268000 L
H-H_	-24.24796300	7.81997400	15.58498500 L
C-C_R	-21.12395600	7.01353000	14.53682400 L
C-C_R	-20.73408700	8.24574700	14.00170000 L
H-H_	-20.43387400	6.17914200	14.51160400 L
N-N_R	-19.45853900	8.39758800	13.42457800 L
C-C_R	-21.62515700	9.32167200	14.04403800 L
C-C_R	-18.91506500	7.37083400	12.63354200 L
C-C_R	-18.73170400	9.58489800	13.62836300 L
H-H_	-21.33078400	10.27387500	13.61910200 L
C-C_R	-17.55296000	7.06109900	12.71602700 L
C-C_R	-19.72493300	6.63395000	11.76238500 L
C-C_R	-18.72535300	10.20607900	14.88166600 L
C-C_R	-18.00702400	10.15862300	12.58014800 L
H-H_	-16.92680400	7.59571600	13.42011300 L
C-C_R	-17.01275200	6.06804100	11.92329200 L
H-H_	-20.78187700	6.85989400	11.69476200 L
C-C_R	-19.18067200	5.62938300	10.98608500 L
C-C_R	-18.01550100	11.38157000	15.07320700 L
H-H_	-19.27749800	9.75956000	15.69928400 L
H-H_	-18.01625000	9.68489100	11.60568600 L
C-C_R	-17.29108000	11.32765000	12.78360900 L
C-C_R	-17.80994800	5.34383800	11.02795500 L
H-H_	-15.96170200	5.82791200	12.02046100 L
H-H_	-19.80987300	5.04665900	10.32432500 L
H-H_	-18.01822400	11.84943400	16.04899900 L
C-C_R	-17.29219900	11.94937900	14.02861200 L
H-H_	-16.73835900	11.76187500	11.95827500 L
C-C_R	-17.27740300	4.24589100	10.20204600 L
H-H_	-16.73821200	12.86585600	14.18365900 L
N-N_R	-18.10746400	3.22546100	10.03196900 L
C-C_R	-15.96605400	4.20673600	9.64741300 L
N-N_R	-15.48621300	3.08188100	9.13594300 L
C-C_R	-15.06417700	5.36893100	9.53947100 L
C-C_R	-15.53117600	6.66331000	9.28447700 L
C-C_R	-13.68024600	5.16846800	9.60773600 L
C-C_R	-14.65592300	7.72315400	9.14360600 L

H-H_	-16.59314000	6.83805300	9.16690100 L
H-H_	-13.30992300	4.16289800	9.76475900 L
C-C_R	-12.79820200	6.22473900	9.48654000 L
H-H_	-15.03246800	8.71422200	8.92459900 L
C-C_R	-13.27669900	7.52108300	9.26021600 L
H-H_	-11.73247100	6.05558900	9.57242200 L
N-N_R	-12.38814500	8.60260200	9.14049400 L
C-C_R	-12.71774500	9.84708300	9.70935500 L
C-C_R	-11.16323500	8.44017400	8.46309500 L
C-C_R	-13.33761400	9.91036000	10.96032100 L
C-C_R	-12.42834700	11.03595300	9.03143100 L
C-C_R	-9.99859100	9.03911100	8.95377700 L
C-C_R	-11.09962300	7.67628300	7.29436500 L
H-H_	-13.55670100	8.99145300	11.49126500 L
C-C_R	-13.66268700	11.13742900	11.51708800 L
H-H_	-11.95585800	10.99150300	8.05736100 L
C-C_R	-12.74586400	12.25814900	9.60300200 L
H-H_	-10.04186300	9.62195100	9.86584200 L
C-C_R	-8.79909300	8.87931200	8.27845900 L
H-H_	-12.00225600	7.21773600	6.90799500 L
C-C_R	-9.89123800	7.51180500	6.63688300 L
H-H_	-14.13863000	11.16715500	12.49064200 L
C-C_R	-13.36640600	12.31842700	10.84522000 L
H-H_	-12.51709200	13.17099600	9.06390600 L
C-C_R	-8.73600200	8.11369000	7.11996400 L
H-H_	-7.90242600	9.34569900	8.67288600 L
H-H_	-9.85725500	6.91560900	5.73205400 L
H-H_	-13.61388700	13.27609300	11.28710000 L
H-H_	-7.79359700	7.98469300	6.60072100 L
C-C_R	-7.64886200	15.72298600	-10.72374900 L
H-H_	-7.92346100	16.73390100	-11.00162900 L
C-C_R	-8.25790600	13.51996000	-9.98813600 L
H-H_	-9.01048000	12.80593300	-9.67407800 L
C-C_R	-8.62788000	14.81402400	-10.33517300 L
H-H_	-9.66814800	15.11390900	-10.30267300 L
C-C_R	-6.31605100	15.34427500	-10.77343500 L
C-C_R	-5.94338700	14.04455300	-10.41666400 L
H-H_	-5.55705200	16.05044500	-11.08849400 L
N-N_R	-4.58815400	13.65828200	-10.45691100 L
C-C_R	-6.92696400	13.13543100	-10.02014000 L
C-C_R	-3.59012800	14.54850400	-10.02903900 L
C-C_R	-4.23547800	12.37558500	-10.91341000 L
H-H_	-6.63867800	12.13077600	-9.73151400 L
C-C_R	-2.37202700	14.62797100	-10.71454500 L

C-C_R	-3.79512100	15.37532900	-8.91901600 L
C-C_R	-4.88852700	11.81164400	-12.01546200 L
C-C_R	-3.23124200	11.64747000	-10.26990600 L
H-H_	-2.22131400	14.02543200	-11.60160200 L
C-C_R	-1.38069100	15.48582200	-10.28134900 L
H-H_	-4.73513800	15.32665200	-8.38259700 L
C-C_R	-2.80438400	16.24367000	-8.50205600 L
C-C_R	-4.54247000	10.54153000	-12.45336400 L
H-H_	-5.66033500	12.37566100	-12.52263400 L
H-H_	-2.73018300	12.07812300	-9.41095600 L
C-C_R	-2.88543800	10.38438700	-10.72265800 L
C-C_R	-1.56779800	16.29694800	-9.15509000 L
H-H_	-0.45620400	15.54995800	-10.84096000 L
H-H_	-2.96965700	16.89693800	-7.65504300 L
H-H_	-5.05356500	10.11846000	-13.31037100 L
C-C_R	-3.53874300	9.82151600	-11.81477000 L
H-H_	-2.10634700	9.83244400	-10.20955500 L
C-C_R	-0.54899000	17.25746500	-8.69199500 L
H-H_	-3.27207900	8.83056600	-12.16202400 L
N-N_R	-1.03499800	18.39506800	-8.21425100 L
C-C_R	0.85858700	17.05447400	-8.77577700 L
C-C_R	-0.19347300	19.38961400	-7.91331700 L
N-N_R	1.69420200	18.06281400	-8.57306600 L
C-C_R	1.50667900	15.75487100	-9.03169300 L
C-C_R	1.20891200	19.24483500	-8.18158100 L
C-C_R	-0.68696700	20.59258200	-7.35728400 L
C-C_R	0.99017100	14.54794300	-8.54681900 L
C-C_R	2.72944800	15.72372400	-9.71221400 L
C-C_R	2.07961600	20.34695700	-8.00617200 L
C-C_R	0.19476100	21.67484600	-7.12311200 L
C-C_R	-2.06131000	20.71543000	-7.03462600 L
C-C_R	1.64633000	13.35149200	-8.76533900 L
H-H_	0.07591000	14.55017200	-7.96491200 L
H-H_	3.15503200	16.65851400	-10.05543500 L
C-C_R	3.38447200	14.53022700	-9.95120300 L
C-C_R	1.57441200	21.57076200	-7.50701400 L
C-C_R	3.45329700	20.22498100	-8.32793600 L
N-N_R	-3.18696400	20.81567400	-6.77054300 L
H-H_	1.24613800	12.42974500	-8.36350900 L
C-C_R	2.84606300	13.32471700	-9.48616100 L
H-H_	4.31426800	14.52234700	-10.50493700 L
N-N_R	4.57895100	20.12473700	-8.59201900 L
N-N_R	3.50025800	12.10524500	-9.72841300 L
C-C_R	2.75029600	10.95636400	-10.04257100 L

C-C_R	4.90612800	12.03324200	-9.66838200 L
C-C_R	1.64061200	11.04824100	-10.88892500 L
C-C_R	3.10701000	9.71080500	-9.51798600 L
C-C_R	5.61626500	11.26890300	-10.59807500 L
C-C_R	5.60582100	12.73026500	-8.67805500 L
H-H_	1.36725500	12.01088500	-11.30545000 L
C-C_R	0.90329900	9.91599300	-11.19650000 L
H-H_	3.96065100	9.63826500	-8.85436000 L
C-C_R	2.36920400	8.58268200	-9.84110900 L
H-H_	5.07751400	10.73774900	-11.37373000 L
C-C_R	6.99925300	11.19851300	-10.52975200 L
H-H_	5.05809800	13.31855700	-7.95160400 L
C-C_R	6.98993300	12.66495000	-8.62835900 L
H-H_	0.04883800	10.00385700	-11.85777300 L
C-C_R	1.26290100	8.67579400	-10.67946000 L
H-H_	2.65637200	7.62382700	-9.42363100 L
C-C_R	7.69381100	11.89788600	-9.54886500 L
H-H_	7.53743800	10.60583200	-11.25899400 L
H-H_	7.51877700	13.21102400	-7.85557100 L
H-H_	0.69018500	7.79065100	-10.92690100 L
H-H_	8.77589900	11.84577600	-9.50333300 L
C-C_R	-4.52465800	26.42343900	-1.45855400 L
H-H_	-4.81365600	25.46201000	-1.04858400 L
C-C_R	-5.01718700	28.72388700	-1.93519800 L
H-H_	-5.70079100	29.56595000	-1.91264900 L
C-C_R	-5.40690700	27.49696500	-1.41070000 L
H-H_	-6.38911200	27.37740200	-0.96834600 L
C-C_R	-3.26510500	26.57095700	-2.01650700 L
C-C_R	-2.87523600	27.80317500	-2.55163100 L
H-H_	-2.57425300	25.73720500	-2.04177600 L
N-N_R	-1.59891800	27.95565200	-3.12880200 L
C-C_R	-3.76630600	28.87909900	-2.50929300 L
C-C_R	-1.05624000	26.92836800	-3.91879600 L
C-C_R	-0.87208300	29.14296200	-2.92501700 L
H-H_	-3.47193300	29.83130200	-2.93423000 L
C-C_R	0.30589100	26.61852600	-3.83730500 L
C-C_R	-1.86608200	26.19137800	-4.79094600 L
C-C_R	-0.86650200	29.76350600	-1.67166500 L
C-C_R	-0.14740300	29.71668700	-3.97323200 L
H-H_	0.93204700	27.15314400	-3.13321900 L
C-C_R	0.84607400	25.62557600	-4.62904600 L
H-H_	-2.92228100	26.41806400	-4.85762400 L
C-C_R	-1.32105100	25.18744600	-5.56729500 L
C-C_R	-0.15588000	30.93963400	-1.48017300 L

H-H_	-1.41864700	29.31698700	-0.85404800 L
H-H_	-0.15742500	29.24242500	-4.94665100 L
C-C_R	0.56851600	30.88582000	-3.76877700 L
C-C_R	0.04967400	24.90190100	-5.52542500 L
H-H_	1.89712300	25.38544600	-4.53187600 L
H-H_	-1.95027800	24.60483000	-6.22806100 L
H-H_	-0.15862900	31.40760400	-0.50338700 L
C-C_R	0.56665200	31.50680600	-2.52472000 L
H-H_	1.12046600	31.31941000	-4.59406300 L
C-C_R	0.58144800	23.80331800	-6.35128500 L
H-H_	1.12138400	32.42402700	-2.36872700 L
N-N_R	-0.24861300	22.78288900	-6.52136300 L
C-C_R	1.89356700	23.76479900	-6.90596700 L
N-N_R	2.37263800	22.63930800	-7.41738800 L
C-C_R	2.79467400	24.92635800	-7.01386000 L
C-C_R	2.32842000	26.22148100	-7.26790900 L
C-C_R	4.17921700	24.72523800	-6.94450300 L
C-C_R	3.20290300	27.28068900	-7.40873200 L
H-H_	1.26571100	26.39548100	-7.38643000 L
H-H_	4.54892800	23.72032600	-6.78857200 L
C-C_R	5.06139400	25.78290900	-7.06584600 L
H-H_	2.82715300	28.27228600	-7.62878100 L
C-C_R	4.58292300	27.07914600	-7.29316400 L
H-H_	6.12715000	25.61365200	-6.98095800 L
N-N_R	5.47070600	28.16002900	-7.41283800 L
C-C_R	5.14187600	29.40514700	-6.84402500 L
C-C_R	6.69559100	27.99770900	-8.08924300 L
C-C_R	4.52123700	29.46778800	-5.59301000 L
C-C_R	5.43127400	30.59401600	-7.52194900 L
C-C_R	7.86026000	28.59653800	-7.59955400 L
C-C_R	6.75999800	27.23434600	-9.25901500 L
H-H_	4.30292000	28.54951600	-5.06211500 L
C-C_R	4.19616400	30.69485600	-5.03624400 L
H-H_	5.90299300	30.54893000	-8.49597000 L
C-C_R	5.11298700	31.81557600	-6.95032900 L
H-H_	7.81698800	29.17937900	-6.68748900 L
C-C_R	9.05973300	28.43684600	-8.27387800 L
H-H_	5.85659500	26.77516400	-9.64533600 L
C-C_R	7.96761300	27.06923200	-9.91644800 L
H-H_	3.72019600	30.72468900	-4.06169500 L
C-C_R	4.49242000	31.87596100	-5.70711800 L
H-H_	5.34250300	32.72916600	-7.48848000 L
C-C_R	9.12361900	27.67175400	-9.43341600 L
H-H_	9.95642500	28.90312700	-7.88044500 L

H-H_	8.00159600	26.47303600	-10.82127800 L
H-H_	4.24496400	32.83352000	-5.26623100 L
H-H_	10.06525400	27.54212100	-9.95261000 L
C-C_R	-6.67065000	14.92707300	-5.64372600 L
H-H_	-6.94588700	15.93875200	-5.92170500 L
C-C_R	-7.28030600	12.72470500	-4.90920500 L
H-H_	-8.03226800	12.01002100	-4.59405500 L
C-C_R	-7.65030500	14.01887500	-5.25524800 L
H-H_	-8.69057400	14.31876000	-5.22274900 L
C-C_R	-5.33847700	14.54912600	-5.69351000 L
C-C_R	-4.96517500	13.24864000	-5.33664100 L
H-H_	-4.57947700	15.25529700	-6.00856900 L
N-N_R	-3.61057900	12.86313300	-5.37698600 L
C-C_R	-5.94875200	12.33951900	-4.94011700 L
C-C_R	-2.61191600	13.75259100	-4.94901600 L
C-C_R	-3.25724000	11.57956500	-5.83438100 L
H-H_	-5.66110300	11.33562800	-4.65159000 L
C-C_R	-1.39445200	13.83282200	-5.63462100 L
C-C_R	-2.81754700	14.58018100	-3.83909200 L
C-C_R	-3.91031500	11.01573100	-6.93543900 L
C-C_R	-2.25303000	10.85155700	-5.18988300 L
H-H_	-1.24310200	13.22952000	-6.52157900 L
C-C_R	-0.40311600	14.69067300	-5.20142400 L
H-H_	-3.75692500	14.53073900	-3.30257400 L
C-C_R	-1.82617200	15.44775700	-3.42203300 L
C-C_R	-3.56489500	9.74638100	-7.37344000 L
H-H_	-4.68276000	11.58051300	-7.44271000 L
H-H_	-1.75260800	11.28297400	-4.33103200 L
C-C_R	-1.90722600	9.58847400	-5.64263500 L
C-C_R	-0.58958600	15.50103500	-4.07506700 L
H-H_	0.52200800	14.75404500	-5.76093700 L
H-H_	-1.99208200	16.10178900	-2.57511900 L
H-H_	-4.07599000	9.32331200	-8.23044700 L
C-C_R	-2.56116800	9.02636800	-6.73484600 L
H-H_	-1.12877200	9.03729500	-5.12963100 L
C-C_R	0.42858400	16.46231700	-3.61207000 L
H-H_	-2.29450400	8.03541800	-7.08210000 L
N-N_R	-0.05742300	17.59991900	-3.13432700 L
C-C_R	1.83618700	16.25921900	-3.69684700 L
C-C_R	0.78473900	18.59370100	-2.83329400 L
N-N_R	2.67241400	17.26690100	-3.49304300 L
C-C_R	2.48425400	14.95972200	-3.95176900 L
C-C_R	2.18651200	18.44957900	-3.10265100 L
C-C_R	0.29060800	19.79743400	-2.27736000 L

C-C_R	1.96838300	13.75203000	-3.46679600 L
C-C_R	3.70702300	14.92857600	-4.63228900 L
C-C_R	3.05719100	19.55180900	-2.92624800 L
C-C_R	1.17297300	20.87893400	-2.04308900 L
C-C_R	-1.08373600	19.92028100	-1.95470100 L
C-C_R	2.62390500	12.55634400	-3.68541500 L
H-H_	1.05412200	13.75426000	-2.88488900 L
H-H_	4.13260700	15.86336500	-4.97551000 L
C-C_R	4.36204600	13.73507800	-4.87127900 L
C-C_R	2.55198600	20.77561400	-2.42709000 L
C-C_R	4.43150900	19.42906800	-3.24791300 L
N-N_R	-2.20875200	20.01976100	-1.69052000 L
H-H_	2.22435000	11.63383300	-3.28348600 L
C-C_R	3.82427500	12.52880500	-4.40613800 L
H-H_	5.29248000	13.72643400	-5.42491400 L
N-N_R	5.55652500	19.32958800	-3.51209400 L
N-N_R	4.47783200	11.31009700	-4.64848800 L
C-C_R	3.72787100	10.16121500	-4.96264700 L
C-C_R	5.88370300	11.23809300	-4.58845800 L
C-C_R	2.61818700	10.25309300	-5.80900100 L
C-C_R	4.08458400	8.91565700	-4.43806200 L
C-C_R	6.59383900	10.47375400	-5.51815100 L
C-C_R	6.58339500	11.93511600	-3.59813100 L
H-H_	2.34546700	11.21497300	-6.22542700 L
C-C_R	1.88153700	9.11997400	-6.11747100 L
H-H_	4.93822600	8.84311600	-3.77443500 L
C-C_R	3.34741600	7.78676900	-4.76108600 L
H-H_	6.05508900	9.94260100	-6.29380600 L
C-C_R	7.97682700	10.40336500	-5.44982800 L
H-H_	6.03567300	12.52340800	-2.87168000 L
C-C_R	7.96750800	11.86980200	-3.54843500 L
H-H_	1.02641300	9.20870800	-6.77784900 L
C-C_R	2.24111300	7.87988200	-5.59943700 L
H-H_	3.63394600	6.82867900	-4.34370600 L
C-C_R	8.67202300	11.10197400	-4.46884200 L
H-H_	8.51501300	9.81068400	-6.17907000 L
H-H_	8.49635200	12.41587600	-2.77564700 L
H-H_	1.66775900	6.99550300	-5.84697600 L
H-H_	9.75347400	11.05062700	-4.42340900 L
C-C_R	-3.54708300	25.62829100	3.62137000 L
H-H_	-3.83544400	24.66609700	4.03143900 L
C-C_R	-4.03961200	27.92873900	3.14472700 L
H-H_	-4.72257900	28.77003700	3.16737400 L
C-C_R	-4.42869400	26.70105200	3.66932300 L

H-H_	-5.41153800	26.58225300	4.11157800 L
C-C_R	-2.28753000	25.77580900	3.06341700 L
C-C_R	-1.89702400	27.00726200	2.52839200 L
H-H_	-1.59604100	24.94129300	3.03824700 L
N-N_R	-0.62070500	27.15973900	1.95122100 L
C-C_R	-2.78873100	28.08395100	2.57063100 L
C-C_R	-0.07802800	26.13245600	1.16122700 L
C-C_R	0.10549100	28.34781300	2.15490700 L
H-H_	-2.49435800	29.03615400	2.14569500 L
C-C_R	1.28346500	25.82337800	1.24262000 L
C-C_R	-0.88850700	25.39622900	0.28897800 L
C-C_R	0.11107300	28.96835800	3.40825900 L
C-C_R	0.83017200	28.92153800	1.10669200 L
H-H_	1.90962200	26.35799500	1.94670600 L
C-C_R	1.82431200	24.82955600	0.44998300 L
H-H_	-1.94468100	25.62280900	0.22130600 L
C-C_R	-0.34283900	24.39153400	-0.48727200 L
C-C_R	0.82169500	30.14448500	3.59975200 L
H-H_	-0.44107200	28.52183900	4.22587700 L
H-H_	0.82017500	28.44717000	0.13228000 L
C-C_R	1.54611600	30.09056500	1.31015300 L
C-C_R	1.02724800	24.10675300	-0.44550000 L
H-H_	2.87472400	24.59019100	0.54705400 L
H-H_	-0.97267800	23.80957400	-1.14913000 L
H-H_	0.81897200	30.61234900	4.57554300 L
C-C_R	1.54486500	30.71089400	2.55530400 L
H-H_	2.09806700	30.52415400	0.48486800 L
C-C_R	1.55902300	23.00817000	-1.27136100 L
H-H_	2.09898400	31.62877100	2.71020400 L
N-N_R	0.72959900	21.98697600	-1.44134000 L
C-C_R	2.87114100	22.96965100	-1.82604300 L
N-N_R	3.35021300	21.84416000	-2.33746300 L
C-C_R	3.77288700	24.13044600	-1.93383700 L
C-C_R	3.30599400	25.42633200	-2.18798500 L
C-C_R	5.15679200	23.93009000	-1.86457900 L
C-C_R	4.18111500	26.48477600	-2.32870900 L
H-H_	2.24392300	25.59956800	-2.30640700 L
H-H_	5.52714000	22.92441300	-1.70854900 L
C-C_R	6.03896800	24.98776100	-1.98592200 L
H-H_	3.80472800	27.47713700	-2.54885700 L
C-C_R	5.56049700	26.28399800	-2.21324000 L
H-H_	7.10472500	24.81850300	-1.90103400 L
N-N_R	6.44828100	27.36488100	-2.33291300 L
C-C_R	6.11945100	28.60999800	-1.76410100 L

C-C_R	7.67319100	27.20245300	-3.01031200 L
C-C_R	5.49881200	28.67263900	-0.51308600 L
C-C_R	6.40948600	29.79810400	-2.44192600 L
C-C_R	8.83783500	27.80139000	-2.51963000 L
C-C_R	7.73757300	26.43919800	-4.17909100 L
H-H_	5.28113200	27.75360400	0.01790800 L
C-C_R	5.17437600	29.89894400	0.04378000 L
H-H_	6.88056800	29.75378200	-3.41604600 L
C-C_R	6.09056200	31.02042800	-1.87040500 L
H-H_	8.79456300	28.38423000	-1.60756500 L
C-C_R	10.03794500	27.64093400	-3.19385500 L
H-H_	6.83416900	25.98001500	-4.56541200 L
C-C_R	8.94582500	26.27332000	-4.83642500 L
H-H_	4.69840800	29.92877600	1.01832800 L
C-C_R	5.47002000	31.08070600	-0.62818700 L
H-H_	6.32010400	31.93391100	-2.40955000 L
C-C_R	10.10183100	26.87584100	-4.35339300 L
H-H_	10.93463700	28.10721400	-2.80042200 L
H-H_	8.97917000	25.67788800	-5.74135300 L
H-H_	5.22253800	32.03837200	-0.18630700 L
H-H_	11.04282900	26.74697200	-4.87268600 L
C-C_R	-5.69305000	14.13181800	-0.56479500 L
H-H_	-5.96831200	15.14360400	-0.84178000 L
C-C_R	-6.30273100	11.92955700	0.17071900 L
H-H_	-7.05469400	11.21487200	0.48586900 L
C-C_R	-6.67273000	13.22372700	-0.17532400 L
H-H_	-7.71299900	13.52361200	-0.14282400 L
C-C_R	-4.36090200	13.75397800	-0.61358600 L
C-C_R	-3.98760000	12.45349200	-0.25671700 L
H-H_	-3.60126500	14.45938400	-0.92854600 L
N-N_R	-2.63300500	12.06798500	-0.29706200 L
C-C_R	-4.97117700	11.54437000	0.13980800 L
C-C_R	-1.63434100	12.95744300	0.13090800 L
C-C_R	-2.27966500	10.78441700	-0.75445700 L
H-H_	-4.68352800	10.54048000	0.42833500 L
C-C_R	-0.41687700	13.03767400	-0.55469600 L
C-C_R	-1.83997200	13.78503300	1.24083200 L
C-C_R	-2.93274000	10.22058300	-1.85551500 L
C-C_R	-1.27545500	10.05640900	-0.10995900 L
H-H_	-0.26552700	12.43437100	-1.44165400 L
C-C_R	0.57512200	13.89465400	-0.12239500 L
H-H_	-2.77935100	13.73559100	1.77735100 L
C-C_R	-0.84859800	14.65260900	1.65789100 L
C-C_R	-2.58668300	8.95046900	-2.29341700 L

H-H_	-3.70454800	10.78460000	-2.36268700 L
H-H_	-0.77503400	10.48782600	0.74889300 L
C-C_R	-0.92965100	8.79332600	-0.56271000 L
C-C_R	0.38798900	14.70588700	1.00485800 L
H-H_	1.49960800	13.95879000	-0.68200700 L
H-H_	-1.01387000	15.30587700	2.50490500 L
H-H_	-3.09841500	8.52816300	-3.15052200 L
C-C_R	-1.58359400	8.23121900	-1.65492200 L
H-H_	-0.15056000	8.24138300	-0.04960800 L
C-C_R	1.40615900	15.66716900	1.46785400 L
H-H_	-1.31629200	7.23950500	-2.00207700 L
N-N_R	0.92078900	16.80400700	1.94569600 L
C-C_R	2.81376200	15.46407000	1.38307700 L
C-C_R	1.76231400	17.79855300	2.24663100 L
N-N_R	3.64998900	16.47175300	1.58688200 L
C-C_R	3.46182800	14.16457400	1.12815500 L
C-C_R	3.16408700	17.65443100	1.97727400 L
C-C_R	1.26818300	19.00228500	2.80256500 L
C-C_R	2.94595800	12.95688200	1.61312800 L
C-C_R	4.68523500	14.13266300	0.44773400 L
C-C_R	4.03476600	18.75666000	2.15367600 L
C-C_R	2.15057400	20.08367800	3.03584100 L
C-C_R	-0.10552400	19.12436900	3.12532200 L
C-C_R	3.60147900	11.76119500	1.39450900 L
H-H_	2.03169700	12.95911100	2.19503500 L
H-H_	5.11081900	15.06745300	0.10451300 L
C-C_R	5.34025900	12.93916600	0.20874400 L
C-C_R	3.52956100	19.98046500	2.65283400 L
C-C_R	5.40911000	18.63381300	1.83101800 L
N-N_R	-1.23117700	19.22461300	3.38940500 L
H-H_	3.20192500	10.83868400	1.79643900 L
C-C_R	4.80185000	11.73365600	0.67378600 L
H-H_	6.27005500	12.93128600	-0.34499000 L
N-N_R	6.53410000	18.53444000	1.56783000 L
N-N_R	5.45604400	10.51418400	0.43153500 L
C-C_R	4.70544500	9.36606700	0.11727700 L
C-C_R	6.86127800	10.44294500	0.49146700 L
C-C_R	3.59639900	9.45718000	-0.72897800 L
C-C_R	5.06215900	8.12050800	0.64186300 L
C-C_R	7.57141400	9.67860600	-0.43822600 L
C-C_R	7.56097000	11.13996800	1.48179400 L
H-H_	3.32304100	10.41982400	-1.14550300 L
C-C_R	2.85911100	8.32482500	-1.03754700 L
H-H_	5.91580100	8.04796800	1.30548900 L

C-C_R	4.32501600	6.99151400	0.31784400 L
H-H_	7.03266400	9.14745300	-1.21388200 L
C-C_R	8.95440200	9.60821600	-0.36990300 L
H-H_	7.01388500	11.72749600	2.20834400 L
C-C_R	8.94572000	11.07388900	1.53158800 L
H-H_	2.00462500	8.41279600	-1.69782500 L
C-C_R	3.21868700	7.08473300	-0.51951300 L
H-H_	4.61215900	6.03276600	0.73631700 L
C-C_R	9.64959800	10.30682500	0.61108200 L
H-H_	9.49322500	9.01477100	-1.09904700 L
H-H_	9.47456400	11.61996300	2.30437600 L
H-H_	2.64533400	6.20035400	-0.76705200 L
H-H_	10.73104900	10.25547900	0.65651500 L
C-C_R	-2.56887100	24.83237800	8.70139300 L
H-H_	-2.85786900	23.87094900	9.11136400 L
C-C_R	-3.06203700	27.13359000	8.22465100 L
H-H_	-3.74500400	27.97488900	8.24729900 L
C-C_R	-3.45112000	25.90590400	8.74924700 L
H-H_	-4.43332600	25.78634100	9.19160100 L
C-C_R	-1.30931800	24.97989600	8.14344100 L
C-C_R	-0.91944900	26.21211400	7.60831600 L
H-H_	-0.61846600	24.14614400	8.11817200 L
N-N_R	0.35686900	26.36459100	7.03114500 L
C-C_R	-1.81115600	27.28880300	7.65055600 L
C-C_R	0.89954700	25.33730700	6.24115200 L
C-C_R	1.08370300	27.55190100	7.23493000 L
H-H_	-1.51678300	28.24100500	7.22561900 L
C-C_R	2.26104000	25.02823000	6.32254400 L
C-C_R	0.08906800	24.60108100	5.36890300 L
C-C_R	1.08864800	28.17320900	8.48818300 L
C-C_R	1.80838400	28.12562600	6.18671500 L
H-H_	2.88783400	25.56208300	7.02672900 L
C-C_R	2.80188600	24.03440800	5.52990800 L
H-H_	-0.96710600	24.82766000	5.30123100 L
C-C_R	0.63473500	23.59638500	4.59265200 L
C-C_R	1.79990700	29.34857300	8.67977500 L
H-H_	0.53714000	27.72592600	9.30590000 L
H-H_	1.79775000	27.65202200	5.21220400 L
C-C_R	2.52432800	29.29465200	6.39017600 L
C-C_R	2.00482300	23.31160400	4.63442400 L
H-H_	3.85293600	23.79427800	5.62707700 L
H-H_	0.00553500	23.01366200	3.93089300 L
H-H_	1.79654600	29.81720000	9.65546800 L
C-C_R	2.52243900	29.91574500	7.63522800 L

H-H_	3.07564100	29.72900600	5.56479200 L
C-C_R	2.53723500	22.21225800	3.80866200 L
H-H_	3.07655900	30.83362300	7.79012800 L
N-N_R	1.70717400	21.19182800	3.63858500 L
C-C_R	3.84935400	22.17373800	3.25398000 L
N-N_R	4.32778800	21.04901200	2.74246100 L
C-C_R	4.75046100	23.33529700	3.14608700 L
C-C_R	4.28356900	24.63118400	2.89194000 L
C-C_R	6.13436700	23.13494100	3.21534600 L
C-C_R	5.15868900	25.68962800	2.75121600 L
H-H_	3.22149800	24.80442000	2.77351700 L
H-H_	6.50471400	22.12926500	3.37137500 L
C-C_R	7.01654300	24.19261300	3.09400300 L
H-H_	4.78294000	26.68122500	2.53116600 L
C-C_R	6.53870900	25.48808500	2.86678300 L
H-H_	8.08293700	24.02259100	3.17898900 L
N-N_R	7.42649300	26.56896800	2.74711000 L
C-C_R	7.09702600	27.81485000	3.31582300 L
C-C_R	8.65076600	26.40730500	2.06961200 L
C-C_R	6.47638600	27.87749100	4.56683900 L
C-C_R	7.38706100	29.00295500	2.63799900 L
C-C_R	9.81604700	27.00547700	2.56039300 L
C-C_R	8.71514800	25.64404900	0.90083400 L
H-H_	6.25870700	26.95845500	5.09783200 L
C-C_R	6.15195100	29.10379500	5.12370400 L
H-H_	7.85878000	28.95786900	1.66397700 L
C-C_R	7.06877400	30.22451500	3.20961800 L
H-H_	9.77277500	27.58831800	3.47245800 L
C-C_R	11.01554500	26.84567800	1.88507600 L
H-H_	7.81238100	25.18410300	0.51461200 L
C-C_R	9.92340000	25.47817100	0.24349900 L
H-H_	5.67600800	29.13352100	6.09725800 L
C-C_R	6.44823200	30.28479300	4.45183600 L
H-H_	7.29767800	31.13876200	2.67037500 L
C-C_R	11.07940500	26.08069300	0.72653100 L
H-H_	11.91221200	27.31206600	2.27950200 L
H-H_	9.95738200	24.88197500	-0.66133000 L
H-H_	6.20011300	31.24322300	4.89361700 L
H-H_	12.02104100	25.95106000	0.20733700 L
C-C_R	-4.71547500	13.33666900	4.51512900 L
H-H_	-4.99010000	14.34769100	4.23824300 L
C-C_R	-5.32451900	11.13364400	5.25074200 L
H-H_	-6.07711900	10.41972400	5.56579400 L
C-C_R	-5.69449300	12.42770700	4.90370500 L

H-H_	-6.73478700	12.72769900	4.93719900 L
C-C_R	-3.38266400	12.95795800	4.46544300 L
C-C_R	-3.01002500	11.65834300	4.82320700 L
H-H_	-2.62369100	13.66423600	4.15137800 L
N-N_R	-1.65479200	11.27207200	4.78296100 L
C-C_R	-3.99360200	10.74922200	5.21973200 L
C-C_R	-0.65676600	12.16229400	5.21083300 L
C-C_R	-1.30209100	9.98926800	4.32546800 L
H-H_	-3.70531600	9.74456700	5.50835800 L
C-C_R	0.56133500	12.24176100	4.52532700 L
C-C_R	-0.86176000	12.98912000	6.32085500 L
C-C_R	-1.95516500	9.42543400	3.22441000 L
C-C_R	-0.29788100	9.26126000	4.96996500 L
H-H_	0.71204800	11.63922300	3.63827000 L
C-C_R	1.55269600	13.09950500	4.95752900 L
H-H_	-1.80177600	12.94044200	6.85727500 L
C-C_R	0.12897700	13.85746000	6.73781600 L
C-C_R	-1.60910900	8.15532000	2.78650800 L
H-H_	-2.72697300	9.98945200	2.71723800 L
H-H_	0.20317800	9.69191300	5.82891600 L
C-C_R	0.04794900	7.99807000	4.51622000 L
C-C_R	1.36556400	13.91073900	6.08478200 L
H-H_	2.47718300	13.16364100	4.39791800 L
H-H_	-0.03629600	14.51072800	7.58482900 L
H-H_	-2.12020300	7.73225100	1.92950100 L
C-C_R	-0.60538200	7.43530700	3.42510100 L
H-H_	0.82701400	7.44623400	5.03031600 L
C-C_R	2.38437100	14.87125600	6.54787700 L
H-H_	-0.33871800	6.44435700	3.07784800 L
N-N_R	1.89836400	16.00885800	7.02562000 L
C-C_R	3.79197400	14.66815800	6.46310000 L
C-C_R	2.73988900	17.00340400	7.32655500 L
N-N_R	4.62756300	15.67660400	6.66680600 L
C-C_R	4.44004000	13.36866100	6.20817800 L
C-C_R	4.14229900	16.85851800	7.05729700 L
C-C_R	2.24639500	18.20637300	7.88258800 L
C-C_R	3.92353300	12.16173300	6.69305300 L
C-C_R	5.66281000	13.33751500	5.52765800 L
C-C_R	5.01297800	17.96074800	7.23369900 L
C-C_R	3.12814800	19.28853000	8.11576600 L
C-C_R	0.87205100	18.32922000	8.20524600 L
C-C_R	4.57969100	10.96528300	6.47453200 L
H-H_	3.00927200	12.16396300	7.27496000 L
H-H_	6.08839400	14.27230400	5.18443700 L

C-C_R	6.31783300	12.14401700	5.28866900 L
C-C_R	4.50777300	19.18455300	7.73285800 L
C-C_R	6.38668400	17.83866500	6.91094200 L
N-N_R	-0.25357700	18.42935800	8.46833500 L
H-H_	4.17950000	10.04353600	6.87636300 L
C-C_R	5.77942400	10.93850800	5.75371000 L
H-H_	7.24763000	12.13613700	4.73493400 L
N-N_R	7.51231200	17.73852700	6.64785300 L
N-N_R	6.43361900	9.71903600	5.51145900 L
C-C_R	5.68365700	8.57015500	5.19730000 L
C-C_R	7.83949000	9.64703200	5.57149000 L
C-C_R	4.57397300	8.66203200	4.35094600 L
C-C_R	6.04037100	7.32459600	5.72188600 L
C-C_R	8.54962600	8.88269300	4.64179700 L
C-C_R	8.53918200	10.34405500	6.56181700 L
H-H_	4.30061600	9.62467600	3.93442100 L
C-C_R	3.83668600	7.52967700	4.04237700 L
H-H_	6.89401300	7.25205500	6.38551200 L
C-C_R	5.30259100	6.19636500	5.39776900 L
H-H_	8.01090100	8.35143300	3.86514800 L
C-C_R	9.93261400	8.81230400	4.71012000 L
H-H_	7.99146000	10.93234700	7.28826800 L
C-C_R	9.92329400	10.27874100	6.61151200 L
H-H_	2.98219900	7.61764700	3.38209900 L
C-C_R	4.19626200	6.28958500	4.56041100 L
H-H_	5.58973300	5.23761800	5.81624100 L
C-C_R	10.62719800	9.51157000	5.69001300 L
H-H_	10.47082600	8.21951600	3.97988300 L
H-H_	10.45216400	10.82470800	7.38330600 L
H-H_	3.62354600	5.40444200	4.31297100 L
H-H_	11.70926100	9.45956600	5.73653800 L
C-C_R	-1.59129700	24.03723000	13.78131800 L
H-H_	-1.88029500	23.07580100	14.19128800 L
C-C_R	-2.08382500	26.33767800	13.30467400 L
H-H_	-2.76740400	27.17963400	13.32622900 L
C-C_R	-2.47354500	25.11075500	13.82917200 L
H-H_	-3.45575100	24.99119200	14.27152600 L
C-C_R	-0.33174400	24.18474800	13.22336500 L
C-C_R	0.05812600	25.41696500	12.68824000 L
H-H_	0.35910900	23.35099600	13.19809600 L
N-N_R	1.33444400	25.56944200	12.11106900 L
C-C_R	-0.83294400	26.49289000	12.73057900 L
C-C_R	1.87714700	24.54205200	11.32008200 L
C-C_R	2.06127800	26.75675200	12.31485500 L

H-H_	-0.53857100	27.44509300	12.30564200 L
C-C_R	3.23925200	24.23231700	11.40256700 L
C-C_R	1.06728000	23.80516800	10.44892600 L
C-C_R	2.06686000	27.37729700	13.56820600 L
C-C_R	2.78595900	27.33047700	11.26663900 L
H-H_	3.86540900	24.76693400	12.10665300 L
C-C_R	3.77946100	23.23925900	10.60983200 L
H-H_	0.01110600	24.03174800	10.38125400 L
C-C_R	1.61231000	22.80123700	9.67257700 L
C-C_R	2.77748200	28.55342400	13.75969900 L
H-H_	1.51471400	26.93077800	14.38582400 L
H-H_	2.77596200	26.85610900	10.29222700 L
C-C_R	3.50190300	28.49950400	11.47010100 L
C-C_R	2.98303500	22.51569200	9.71444700 L
H-H_	4.83051000	22.99913000	10.70700200 L
H-H_	0.98310900	22.21851300	9.01081700 L
H-H_	2.77475800	29.02128800	14.73549100 L
C-C_R	3.50001400	29.12059700	12.71515200 L
H-H_	4.05385300	28.93309300	10.64481500 L
C-C_R	3.51481000	21.41710900	8.88858700 L
H-H_	4.05477100	30.03771000	12.87015100 L
N-N_R	2.68474900	20.39667900	8.71850900 L
C-C_R	4.82692800	21.37859000	8.33390500 L
N-N_R	5.30600000	20.25309900	7.82248400 L
C-C_R	5.72803600	22.54014900	8.22601100 L
C-C_R	5.26180700	23.83516400	7.97096900 L
C-C_R	7.11196700	22.33968600	8.29427600 L
C-C_R	6.13629000	24.89437200	7.83014600 L
H-H_	4.19907300	24.00927100	7.85344100 L
H-H_	7.48228900	21.33411600	8.45129900 L
C-C_R	7.99478100	23.39659300	8.17303200 L
H-H_	5.76051500	25.88607600	7.61109100 L
C-C_R	7.51628400	24.69293700	7.94670700 L
H-H_	9.06051200	23.22744300	8.25891300 L
N-N_R	8.40406800	25.77382000	7.82703400 L
C-C_R	8.07523800	27.01893700	8.39584600 L
C-C_R	9.62897800	25.61139200	7.14963500 L
C-C_R	7.45459800	27.08157800	9.64686200 L
C-C_R	8.36463500	28.20780700	7.71792300 L
C-C_R	10.79362100	26.21032900	7.64031800 L
C-C_R	9.69336000	24.84813700	5.98085700 L
H-H_	7.23628100	26.16330700	10.17775600 L
C-C_R	7.12952600	28.30864700	10.20362800 L
H-H_	8.83635400	28.16272100	6.74390100 L

C-C_R	8.04634900	29.42936700	8.28954300 L
H-H_	10.75035000	26.79316900	8.55238300 L
C-C_R	11.99312000	26.05053000	6.96500000 L
H-H_	8.78995600	24.38895400	5.59453600 L
C-C_R	10.90097400	24.68302300	5.32342400 L
H-H_	6.65358300	28.33837300	11.17718300 L
C-C_R	7.42580700	29.48964500	9.53176000 L
H-H_	8.27589000	30.34285000	7.75039800 L
C-C_R	12.05698000	25.28554400	5.80645500 L
H-H_	12.88978700	26.51691700	7.35942700 L
H-H_	10.93495700	24.08682700	4.41859400 L
H-H_	7.17832500	30.44731100	9.97364000 L
H-H_	12.99861500	25.15591100	5.28726100 L
C-C_R	11.34422400	-27.87416700	-2.54832800 L
H-H_	12.30424600	-28.31902600	-2.31374600 L
C-C_R	9.01749800	-28.09564300	-3.09848600 L
H-H_	8.15432000	-28.71598200	-3.31047600 L
C-C_R	10.24232600	-28.68372600	-2.80545100 L
H-H_	10.33994400	-29.76209700	-2.77840300 L
C-C_R	11.22515200	-26.49309100	-2.57531500 L
C-C_R	9.99455200	-25.90189400	-2.87788900 L
H-H_	12.08113400	-25.86553200	-2.36227600 L
N-N_R	9.87156800	-24.49810000	-2.91647700 L
C-C_R	8.89105300	-26.71638100	-3.14257100 L
C-C_R	10.89744100	-23.71676000	-3.47120700 L
C-C_R	8.71484100	-23.87929900	-2.40819300 L
H-H_	7.93890700	-26.25997400	-3.38926100 L
C-C_R	11.25350400	-22.49620600	-2.88514300 L
C-C_R	11.58531200	-24.14480200	-4.61173400 L
C-C_R	8.12260100	-24.34390700	-1.22846700 L
C-C_R	8.14034300	-22.79628600	-3.07884300 L
H-H_	10.75776900	-22.17860300	-1.97629000 L
C-C_R	12.24604600	-21.71567400	-3.44366200 L
H-H_	11.32316700	-25.08905600	-5.07320400 L
C-C_R	12.59003100	-23.36532600	-5.15574100 L
C-C_R	6.97634400	-23.73450800	-0.73902300 L
H-H_	8.57018000	-25.17568800	-0.70081300 L
H-H_	8.59117500	-22.44082100	-3.99792500 L
C-C_R	7.00129600	-22.18830200	-2.57598200 L
C-C_R	12.92142100	-22.12356500	-4.60076500 L
H-H_	12.52297600	-20.78762100	-2.95994500 L
H-H_	13.13495600	-23.70493000	-6.02574500 L
H-H_	6.53092600	-24.10137300	0.17840700 L
C-C_R	6.41005600	-22.65323700	-1.40525100 L

H-H_	6.56722700	-21.35142300	-3.11088000 L
C-C_R	14.01741600	-21.33757600	-5.19745400 L
H-H_	5.51495800	-22.18127700	-1.01829800 L
N-N_R	15.00478400	-22.06113100	-5.70686800 L
C-C_R	14.08619500	-19.91533800	-5.20693400 L
C-C_R	16.11325100	-21.44527900	-6.13098600 L
N-N_R	15.21520400	-19.30119500	-5.53375200 L
C-C_R	12.95368500	-19.01579000	-4.92041600 L
C-C_R	16.25409200	-20.02732000	-5.96006900 L
C-C_R	17.15893400	-22.19222200	-6.72190000 L
C-C_R	11.63803200	-19.32194900	-5.28955200 L
C-C_R	13.20188200	-17.76984900	-4.33281800 L
C-C_R	17.48137800	-19.39552800	-6.26814800 L
C-C_R	18.36505300	-21.55024100	-7.08796300 L
C-C_R	16.99839100	-23.58265400	-6.94759900 L
C-C_R	10.60527600	-18.43651100	-5.04724200 L
H-H_	11.42712000	-20.25340100	-5.80038100 L
H-H_	14.22261800	-17.51019600	-4.08096300 L
C-C_R	12.17257000	-16.88545600	-4.07018500 L
C-C_R	18.54955500	-20.15440400	-6.80287000 L
C-C_R	17.64258500	-18.00596800	-6.04334500 L
N-N_R	16.86717700	-24.72088000	-7.13228500 L
H-H_	9.59765300	-18.67740600	-5.36013900 L
C-C_R	10.85648500	-17.21147900	-4.41807700 L
H-H_	12.37949900	-15.93881400	-3.58825800 L
N-N_R	17.77379800	-16.86774200	-5.85865900 L
N-N_R	9.80181800	-16.32273600	-4.15052700 L
C-C_R	8.56020000	-16.81859800	-3.71055900 L
C-C_R	9.98859400	-14.93544700	-4.31116700 L
C-C_R	8.50620400	-17.87149800	-2.79069500 L
C-C_R	7.36711500	-16.26375500	-4.18231000 L
C-C_R	9.44172700	-14.03627200	-3.39178800 L
C-C_R	10.72752200	-14.44438800	-5.39237200 L
H-H_	9.43035400	-18.29681400	-2.41627300 L
C-C_R	7.28351300	-18.35791700	-2.35930500 L
H-H_	7.40452400	-15.45534100	-4.90222500 L
C-C_R	6.14876800	-16.75111700	-3.73561500 L
H-H_	8.87917900	-14.41462500	-2.54656200 L
C-C_R	9.62520200	-12.67222200	-3.55906500 L
H-H_	11.14740100	-15.13825900	-6.11074800 L
C-C_R	10.91680300	-13.07968900	-5.54146000 L
H-H_	7.26001600	-19.17084100	-1.64257100 L
C-C_R	6.09680800	-17.80090800	-2.82508800 L
H-H_	5.23085600	-16.31316200	-4.11324900 L

C-C_R	10.36618300	-12.18605700	-4.63063600 L
H-H_	9.19868700	-11.98731800	-2.83687700 L
H-H_	11.49233900	-12.71371300	-6.38401300 L
H-H_	5.14154200	-18.17751800	-2.48013200 L
H-H_	10.51323700	-11.11886100	-4.75381400 L
C-C_R	21.71442100	-27.43041700	-12.66696600 L
H-H_	20.68799600	-27.55520000	-12.99284800 L
C-C_R	23.91201200	-28.32261400	-12.29704100 L
H-H_	24.60793800	-29.15450100	-12.32036800 L
C-C_R	22.59741400	-28.50320000	-12.71387500 L
H-H_	22.26499200	-29.46932000	-13.07318300 L
C-C_R	22.13528500	-26.19003700	-12.21417400 L
C-C_R	23.45512500	-26.01029400	-11.78705300 L
H-H_	21.44905400	-25.35246900	-12.18919700 L
N-N_R	23.88543400	-24.75335500	-11.31769100 L
C-C_R	24.34003400	-27.09130700	-11.82900200 L
C-C_R	23.03932200	-23.97666300	-10.50853000 L
C-C_R	25.16791800	-24.28140000	-11.64939900 L
H-H_	25.35951700	-26.95846300	-11.48706300 L
C-C_R	22.98334700	-22.58813400	-10.67253200 L
C-C_R	22.23187200	-24.57531000	-9.53421400 L
C-C_R	25.68369500	-24.47125300	-12.93469300 L
C-C_R	25.94344300	-23.61605500	-10.69496100 L
H-H_	23.57092900	-22.12038600	-11.45329100 L
C-C_R	22.17053500	-21.82033400	-9.86356800 L
H-H_	22.26147600	-25.64980800	-9.40268500 L
C-C_R	21.40728100	-23.80225300	-8.74020500 L
C-C_R	26.95310100	-24.01217800	-13.25126600 L
H-H_	25.08217200	-24.97749000	-13.67943300 L
H-H_	25.55068200	-23.47443100	-9.69609800 L
C-C_R	27.20678200	-23.15062200	-11.02444700 L
C-C_R	21.37967800	-22.40749200	-8.86692200 L
H-H_	22.12374600	-20.75083600	-10.02417800 L
H-H_	20.76885900	-24.26652300	-7.99936100 L
H-H_	27.33860900	-24.16404800	-14.25223000 L
C-C_R	27.72232800	-23.34738400	-12.30095400 L
H-H_	27.79694700	-22.64099600	-10.27131000 L
C-C_R	20.46514500	-21.62501100	-8.01688200 L
H-H_	28.71172500	-22.98938800	-12.55449100 L
N-N_R	19.32365000	-22.23278700	-7.72225900 L
C-C_R	20.71332800	-20.29791800	-7.56076500 L
N-N_R	19.73828700	-19.58202300	-7.01801400 L
C-C_R	22.02714000	-19.63028900	-7.59279000 L
C-C_R	23.22733700	-20.31928700	-7.38510500 L

C-C_R	22.08339400	-18.24058000	-7.75302500 L
C-C_R	24.43916100	-19.65552200	-7.37607600 L
H-H_	23.20954000	-21.38562000	-7.19832700 L
H-H_	21.15549100	-17.69548700	-7.87482500 L
C-C_R	23.29227800	-17.57006100	-7.76391400 L
H-H_	25.35631800	-20.19999800	-7.19022800 L
C-C_R	24.49005900	-18.27225700	-7.58203500 L
H-H_	23.31857900	-16.49893000	-7.91778800 L
N-N_R	25.72323800	-17.60154600	-7.59634500 L
C-C_R	26.83838000	-18.19728900	-8.21482900 L
C-C_R	25.84301600	-16.32873800	-7.00488300 L
C-C_R	26.69119100	-18.89404000	-9.41734000 L
C-C_R	28.10851400	-18.09822200	-7.63542300 L
C-C_R	26.60985600	-15.33243400	-7.61658700 L
C-C_R	25.19407300	-16.04811300	-5.79818500 L
H-H_	25.71042700	-18.96615600	-9.87348000 L
C-C_R	27.79104900	-19.48138200	-10.02404300 L
H-H_	28.22520700	-17.56732500	-6.69956400 L
C-C_R	29.20310100	-18.67867600	-8.25608200 L
H-H_	27.10445400	-15.54267500	-8.55815500 L
C-C_R	26.72732100	-14.08515100	-7.02545500 L
H-H_	24.60571800	-16.82089800	-5.31762900 L
C-C_R	25.30724700	-14.79222800	-5.22418700 L
H-H_	27.65858200	-20.01356200	-10.95916400 L
C-C_R	29.05352900	-19.37507900	-9.45064300 L
H-H_	30.18116200	-18.59498900	-7.79421400 L
C-C_R	26.07581900	-13.80534000	-5.82879600 L
H-H_	27.32161700	-13.32010100	-7.51307400 L
H-H_	24.79731800	-14.58909100	-4.28929200 L
H-H_	29.91247600	-19.82763900	-9.93015700 L
H-H_	26.16385900	-12.82535100	-5.37464800 L
C-C_R	12.32179900	-28.66931500	2.53159600 L
H-H_	13.28245800	-29.11493800	2.76627700 L
C-C_R	9.99571000	-28.89155500	1.98153700 L
H-H_	9.13189500	-29.51113000	1.76944900 L
C-C_R	11.22053800	-29.47963800	2.27457200 L
H-H_	11.31815600	-30.55801000	2.30162000 L
C-C_R	12.20336400	-27.28900400	2.50470800 L
C-C_R	10.97212700	-26.69704200	2.20203600 L
H-H_	13.05870900	-26.66068000	2.71764900 L
N-N_R	10.84978000	-25.29401300	2.16354600 L
C-C_R	9.86862800	-27.51153000	1.93735300 L
C-C_R	11.87501600	-24.51190800	1.60871700 L
C-C_R	9.69241500	-24.67444800	2.67173200 L

H-H_	8.91711900	-27.05588700	1.69076300 L
C-C_R	12.23171600	-23.29211800	2.19488000 L
C-C_R	12.56354900	-24.94082200	0.46729500 L
C-C_R	9.10017500	-25.13905500	3.85145700 L
C-C_R	9.11791700	-23.59143500	2.00108100 L
H-H_	11.73534400	-22.97375200	3.10363400 L
C-C_R	13.22362100	-22.51082200	1.63626200 L
H-H_	12.30074100	-25.88420400	0.00672000 L
C-C_R	13.56760500	-24.16047500	-0.07581600 L
C-C_R	7.95391900	-24.52965700	4.34090100 L
H-H_	9.54775400	-25.97083600	4.37911100 L
H-H_	9.56938800	-23.23673300	1.08209800 L
C-C_R	7.97887000	-22.98345000	2.50394200 L
C-C_R	13.89899600	-22.91871300	0.47915900 L
H-H_	13.50055100	-21.58277000	2.11997900 L
H-H_	14.11255700	-24.50018600	-0.94681400 L
H-H_	7.50913800	-24.89728600	5.25843000 L
C-C_R	7.38826800	-23.44914900	3.67477200 L
H-H_	7.54480100	-22.14657100	1.96904500 L
C-C_R	14.99565300	-22.13359600	-0.11842500 L
H-H_	6.49317100	-22.97719000	4.06172500 L
N-N_R	15.98235800	-22.85627900	-0.62694400 L
C-C_R	15.06440700	-20.71125100	-0.12691100 L
C-C_R	17.09082500	-22.24042700	-1.05106100 L
N-N_R	16.19277900	-20.09634400	-0.45382800 L
C-C_R	13.93189700	-19.81170300	0.15960700 L
C-C_R	17.23166700	-20.82246800	-0.88014500 L
C-C_R	18.13714600	-22.98813500	-1.64187700 L
C-C_R	12.61560700	-20.11709800	-0.20962700 L
C-C_R	14.17945600	-18.56499800	0.74710600 L
C-C_R	18.45959000	-20.19144100	-1.18812500 L
C-C_R	19.34262800	-22.34539000	-2.00803900 L
C-C_R	17.97596500	-24.37780200	-1.86767400 L
C-C_R	11.58351300	-19.23253100	0.03178800 L
H-H_	12.40469500	-21.04855000	-0.72045700 L
H-H_	15.20019300	-18.30534500	0.99896200 L
C-C_R	13.15014500	-17.68060500	1.00974000 L
C-C_R	19.52776700	-20.95031700	-1.72284700 L
C-C_R	18.62015900	-18.80111600	-0.96342000 L
N-N_R	17.84475200	-25.51602800	-2.05236000 L
H-H_	10.57522800	-19.47255400	-0.28021500 L
C-C_R	11.83405900	-18.00662700	0.66184800 L
H-H_	13.35707400	-16.73396200	1.49166600 L
N-N_R	18.75201000	-17.66365500	-0.77863600 L

N-N_R	10.77939200	-17.11788400	0.92939700 L
C-C_R	9.53841200	-17.61451000	1.36946400 L
C-C_R	10.96680600	-15.73135900	0.76885600 L
C-C_R	9.48441600	-18.66741100	2.28932800 L
C-C_R	8.34535300	-17.05977400	0.89671900 L
C-C_R	10.41993900	-14.83218400	1.68823500 L
C-C_R	11.70573400	-15.24030000	-0.31234900 L
H-H_	10.40792900	-19.09196200	2.66365100 L
C-C_R	8.26108800	-19.15306500	2.72062000 L
H-H_	8.38273600	-16.25125400	0.17779800 L
C-C_R	7.12634300	-17.54626500	1.34430900 L
H-H_	9.85739100	-15.21053700	2.53346100 L
C-C_R	10.60341400	-13.46813400	1.52095800 L
H-H_	12.12500100	-15.93351500	-1.03181700 L
C-C_R	11.89437800	-13.87483700	-0.46153600 L
H-H_	8.23759000	-19.96598900	3.43735400 L
C-C_R	7.07438300	-18.59605700	2.25483600 L
H-H_	6.20843100	-17.10831000	0.96667500 L
C-C_R	11.34375800	-12.98120500	0.44928800 L
H-H_	10.17626100	-12.78246700	2.24304700 L
H-H_	12.46991300	-13.50886100	-1.30408800 L
H-H_	6.11975400	-18.97343000	2.59989100 L
H-H_	11.49144900	-11.91477400	0.32620900 L
C-C_R	22.69199500	-28.22556500	-7.58704200 L
H-H_	21.66557000	-28.35034900	-7.91292400 L
C-C_R	24.89024900	-29.11863400	-7.21801100 L
H-H_	25.58551300	-29.94964900	-7.24044300 L
C-C_R	23.57501400	-29.29845500	-7.63494400 L
H-H_	23.24256700	-30.26446800	-7.99325900 L
C-C_R	23.11286000	-26.98518500	-7.13425000 L
C-C_R	24.43269900	-26.80544200	-6.70712900 L
H-H_	22.42662900	-26.14761700	-7.10927300 L
N-N_R	24.86300900	-25.54850300	-6.23776700 L
C-C_R	25.31824600	-27.88721900	-6.74897900 L
C-C_R	24.01689600	-24.77181100	-5.42860600 L
C-C_R	26.14549300	-25.07654900	-6.56947500 L
H-H_	26.33772900	-27.75437500	-6.40704000 L
C-C_R	23.96155900	-23.38404600	-5.59250900 L
C-C_R	23.21008400	-25.37122300	-4.45419100 L
C-C_R	26.66190700	-25.26716600	-7.85467000 L
C-C_R	26.92101800	-24.41120300	-5.61503600 L
H-H_	24.54853000	-22.91564200	-6.37436000 L
C-C_R	23.14810900	-22.61548200	-4.78364400 L
H-H_	23.23968800	-26.44572100	-4.32266200 L

C-C_R	22.38485600	-24.59740100	-3.66028100 L
C-C_R	27.93067500	-24.80732700	-8.17134100 L
H-H_	26.06038400	-25.77340200	-8.59941000 L
H-H_	26.52889400	-24.27034400	-4.61607500 L
C-C_R	28.18435600	-23.94577000	-5.94452300 L
C-C_R	22.35789000	-23.20340500	-3.78689900 L
H-H_	23.10132100	-21.54598500	-4.94425400 L
H-H_	21.74643300	-25.06167100	-2.91943700 L
H-H_	28.31682100	-24.95996100	-9.17220700 L
C-C_R	28.69990200	-24.14253200	-7.22103000 L
H-H_	28.77515900	-23.43690900	-5.19128700 L
C-C_R	21.44272000	-22.42015900	-2.93695700 L
H-H_	29.68993700	-23.78530100	-7.47446800 L
N-N_R	20.30122500	-23.02793600	-2.64233500 L
C-C_R	21.69090300	-21.09306700	-2.48084100 L
N-N_R	20.71649900	-20.37793600	-1.93799100 L
C-C_R	23.00471500	-20.42543800	-2.51286600 L
C-C_R	24.20554900	-21.11519900	-2.30508200 L
C-C_R	23.06096900	-19.03572800	-2.67310000 L
C-C_R	25.41673500	-20.45067000	-2.29615200 L
H-H_	24.18711500	-22.18076800	-2.11840300 L
H-H_	22.13306600	-18.49063600	-2.79490100 L
C-C_R	24.27049000	-18.36597400	-2.68389100 L
H-H_	26.33389200	-20.99514600	-2.11030300 L
C-C_R	25.46763400	-19.06740600	-2.50211100 L
H-H_	24.29615300	-17.29407900	-2.83786400 L
N-N_R	26.70083800	-18.39680100	-2.51741500 L
C-C_R	27.81659200	-18.99320200	-3.13480600 L
C-C_R	26.82122800	-17.12465100	-1.92486000 L
C-C_R	27.66942800	-19.69006000	-4.33831100 L
C-C_R	29.08608800	-18.89337000	-2.55549800 L
C-C_R	27.58743000	-16.12758200	-2.53666200 L
C-C_R	26.17228500	-16.84402600	-0.71816200 L
H-H_	26.68800200	-19.76130500	-4.79355600 L
C-C_R	28.76862300	-20.27653000	-4.94411800 L
H-H_	29.20278100	-18.36247400	-1.61963900 L
C-C_R	30.18067500	-19.47382400	-3.17615700 L
H-H_	28.08202900	-16.33782300	-3.47823000 L
C-C_R	27.70489500	-14.88030000	-1.94553000 L
H-H_	25.58329200	-17.61604700	-0.23770500 L
C-C_R	26.28482200	-15.58737700	-0.14426300 L
H-H_	28.63615700	-20.80871000	-5.87923900 L
C-C_R	30.03110400	-20.17022700	-4.37071800 L
H-H_	31.15937500	-19.39090200	-2.71419100 L

C-C_R	27.05339300	-14.60048900	-0.74887200 L
H-H_	28.29919200	-14.11524900	-2.43315000 L
H-H_	25.77489300	-15.38424000	0.79063200 L
H-H_	30.89068800	-20.62355200	-4.85013400 L
H-H_	27.14143400	-13.62049900	-0.29472300 L
C-C_R	13.29937300	-29.46446400	7.61152100 L
H-H_	14.26003300	-29.91008700	7.84620100 L
C-C_R	10.97328400	-29.68670400	7.06146100 L
H-H_	10.10947000	-30.30627800	6.84937300 L
C-C_R	12.19811200	-30.27478700	7.35449600 L
H-H_	12.29575600	-31.35326500	7.38055100 L
C-C_R	13.18093900	-28.08415200	7.58463300 L
C-C_R	11.94970200	-27.49219000	7.28196000 L
H-H_	14.03692100	-27.45659300	7.79767200 L
N-N_R	11.82735400	-26.08916100	7.24347100 L
C-C_R	10.84620200	-28.30667800	7.01727700 L
C-C_R	12.85259100	-25.30705600	6.68864200 L
C-C_R	10.66999000	-25.46959600	7.75165600 L
H-H_	9.89469400	-27.85103500	6.77068700 L
C-C_R	13.20929100	-24.08726700	7.27480500 L
C-C_R	13.54112400	-25.73597000	5.54722000 L
C-C_R	10.07775000	-25.93420400	8.93138200 L
C-C_R	10.09549200	-24.38658300	7.08100600 L
H-H_	12.71294400	-23.76900700	8.18256500 L
C-C_R	14.20183300	-23.30673500	6.71628500 L
H-H_	13.27831600	-26.67935200	5.08664500 L
C-C_R	14.54518000	-24.95562300	5.00410800 L
C-C_R	8.93215600	-25.32567600	9.41993000 L
H-H_	10.52596700	-26.76674900	9.45913400 L
H-H_	10.54696200	-24.03188200	6.16202200 L
C-C_R	8.95644500	-23.77859900	7.58386700 L
C-C_R	14.87657100	-23.71386100	5.55908400 L
H-H_	14.47812600	-22.37791800	7.19990400 L
H-H_	15.09076900	-25.29609800	4.13320900 L
H-H_	8.48671200	-25.69243400	10.33835400 L
C-C_R	8.36584300	-24.24429800	8.75469700 L
H-H_	8.52301400	-22.94248400	7.04906800 L
C-C_R	15.97322800	-22.92874400	4.96150000 L
H-H_	7.47077100	-23.77244500	9.14065500 L
N-N_R	16.96057000	-23.65219200	4.45307900 L
C-C_R	16.04198200	-21.50639900	4.95301400 L
C-C_R	18.06840000	-23.03557600	4.02886300 L
N-N_R	17.17035400	-20.89149200	4.62609700 L
C-C_R	14.90947200	-20.60685100	5.23953100 L

C-C_R	18.20924100	-21.61761600	4.19978000 L
C-C_R	19.11474600	-23.78339000	3.43705300 L
C-C_R	13.59318200	-20.91224600	4.87029700 L
C-C_R	15.15766900	-19.36091000	5.82712900 L
C-C_R	19.43719100	-20.98669600	3.89080500 L
C-C_R	20.32020200	-23.14053800	3.07188600 L
C-C_R	18.95417700	-25.17371500	3.21234900 L
C-C_R	12.56108800	-20.02767900	5.11171200 L
H-H_	13.38227000	-21.84369800	4.35946800 L
H-H_	16.17840500	-19.10125700	6.07898500 L
C-C_R	14.12835700	-18.47651700	6.08976300 L
C-C_R	20.50534200	-21.74546500	3.35707800 L
C-C_R	19.59773400	-19.59626500	4.11650400 L
N-N_R	18.82232700	-26.31117700	3.02756400 L
H-H_	11.55282800	-20.26781000	4.79871500 L
C-C_R	12.81166000	-18.80188200	5.74077800 L
H-H_	14.33464900	-17.52911000	6.57159000 L
N-N_R	19.72958500	-18.45880300	4.30128800 L
N-N_R	11.75760400	-17.91379700	6.00942000 L
C-C_R	10.51598700	-18.40965900	6.44938800 L
C-C_R	11.94438100	-16.52650800	5.84878100 L
C-C_R	10.46199100	-19.46255900	7.36925300 L
C-C_R	9.32292800	-17.85492300	5.97664300 L
C-C_R	11.39751400	-15.62733300	6.76816000 L
C-C_R	12.68330800	-16.03544900	4.76757500 L
H-H_	11.38550400	-19.88711100	7.74357600 L
C-C_R	9.23866200	-19.94821300	7.80054400 L
H-H_	9.36031100	-17.04640200	5.25772300 L
C-C_R	8.10391700	-18.34141400	6.42423300 L
H-H_	10.83496600	-16.00568600	7.61338500 L
C-C_R	11.58101500	-14.26339000	6.59988800 L
H-H_	13.10321300	-16.72942700	4.04820600 L
C-C_R	12.87259000	-14.67075000	4.61848700 L
H-H_	9.21580300	-20.76190200	8.51737700 L
C-C_R	8.05195700	-19.39120500	7.33476100 L
H-H_	7.18664300	-17.90422300	6.04669800 L
C-C_R	12.32133300	-13.77635400	5.52921300 L
H-H_	11.15447300	-13.57837900	7.32307000 L
H-H_	13.44812600	-14.30477400	3.77593500 L
H-H_	7.09732900	-19.76857900	7.67981600 L
H-H_	12.46902300	-12.70992200	5.40613400 L
C-C_R	23.67020700	-29.02147800	-2.50701900 L
H-H_	22.64317100	-29.14560400	-2.83399300 L
C-C_R	25.86782400	-29.91378200	-2.13808700 L

H-H_	26.56308700	-30.74479700	-2.16051900 L
C-C_R	24.55258900	-30.09360400	-2.55502000 L
H-H_	24.22077900	-31.06038100	-2.91323600 L
C-C_R	24.09109800	-27.78120500	-2.05522100 L
C-C_R	25.41091100	-27.60135500	-1.62710600 L
H-H_	23.40420300	-26.94276500	-2.02934900 L
N-N_R	25.84058400	-26.34365100	-1.15784300 L
C-C_R	26.29582000	-28.68236800	-1.66905500 L
C-C_R	24.99447100	-25.56695900	-0.34868100 L
C-C_R	27.12370500	-25.87246100	-1.48945200 L
H-H_	27.31530400	-28.54952400	-1.32711600 L
C-C_R	24.93915900	-24.17930200	-0.51357800 L
C-C_R	24.18768400	-26.16647800	0.62474000 L
C-C_R	27.63948200	-26.06231400	-2.77474600 L
C-C_R	27.89923000	-25.20711600	-0.53501300 L
H-H_	25.52674200	-23.71155400	-1.29433700 L
C-C_R	24.12568400	-23.41063000	0.29628000 L
H-H_	24.21726300	-27.24086900	0.75726200 L
C-C_R	23.36243000	-25.39255000	1.41964400 L
C-C_R	28.90888700	-25.60323900	-3.09131800 L
H-H_	27.03795900	-26.56855100	-3.51948500 L
H-H_	27.50646900	-25.06549200	0.46384900 L
C-C_R	29.16256900	-24.74168300	-0.86450000 L
C-C_R	23.33549100	-23.99866000	1.29203200 L
H-H_	24.07953300	-22.34189700	0.13577000 L
H-H_	22.72464500	-25.85758400	2.16058600 L
H-H_	29.29439500	-25.75510900	-4.09228300 L
C-C_R	29.67747700	-24.93768100	-2.14110600 L
H-H_	29.75273400	-24.23205700	-0.11136200 L
C-C_R	22.42093200	-23.21607200	2.14306600 L
H-H_	30.66751200	-24.58044900	-2.39454400 L
N-N_R	21.27879900	-23.82308400	2.43758900 L
C-C_R	22.66914000	-21.88908600	2.59818800 L
N-N_R	21.69407300	-21.17308400	3.14193400 L
C-C_R	23.98228900	-21.22058600	2.56705900 L
C-C_R	25.18312400	-21.91034800	2.77484200 L
C-C_R	24.03854400	-19.83087600	2.40682400 L
C-C_R	26.39431000	-21.24581800	2.78377300 L
H-H_	25.16471500	-22.97602400	2.96052700 L
H-H_	23.11064100	-19.28578400	2.28502400 L
C-C_R	25.24806500	-19.16112200	2.39603300 L
H-H_	27.31210400	-21.79105900	2.96972000 L
C-C_R	26.44584600	-19.86331800	2.57791200 L
H-H_	25.27436500	-18.08999100	2.24215900 L

N-N_R	27.67905000	-19.19271400	2.56260800 L
C-C_R	28.79419200	-19.78845700	1.94412400 L
C-C_R	27.79880300	-17.91979900	3.15506400 L
C-C_R	28.64700300	-20.48520800	0.74161300 L
C-C_R	30.06368900	-19.68862600	2.52343200 L
C-C_R	28.56564200	-16.92349500	2.54336100 L
C-C_R	27.14986000	-17.63917400	4.36176200 L
H-H_	27.66557600	-20.55645300	0.28636800 L
C-C_R	29.74619800	-21.07167800	0.13580600 L
H-H_	30.18099300	-19.15838600	3.46038400 L
C-C_R	31.15888700	-20.26973700	1.90386600 L
H-H_	29.06024100	-17.13373600	1.60179300 L
C-C_R	28.68247000	-15.67544800	3.13439400 L
H-H_	26.56150400	-18.41195900	4.84231800 L
C-C_R	27.26303400	-16.38328900	4.93576000 L
H-H_	29.61373100	-21.60385900	-0.79931500 L
C-C_R	31.00931600	-20.96614000	0.70930500 L
H-H_	32.13694900	-20.18605000	2.36573300 L
C-C_R	28.03099400	-15.39574400	4.33005900 L
H-H_	29.27676700	-14.91039700	2.64677400 L
H-H_	26.75313100	-16.18025900	5.86966100 L
H-H_	31.86828800	-21.41880700	0.22879600 L
H-H_	28.11964600	-14.41641200	4.78530000 L
C-C_R	-27.96288000	-22.84697000	-4.10113400 L
H-H_	-27.00285700	-23.29182800	-3.86655300 L
C-C_R	-30.28960600	-23.06844500	-4.65129200 L
H-H_	-31.15201300	-23.68814800	-4.86333100 L
C-C_R	-29.06400800	-23.65589300	-4.35830600 L
H-H_	-28.96716000	-24.73490000	-4.33120900 L
C-C_R	-28.08195200	-21.46589400	-4.12812100 L
C-C_R	-29.31241800	-20.87329600	-4.43084200 L
H-H_	-27.22519900	-20.83769900	-3.91513000 L
N-N_R	-29.43553600	-19.47090300	-4.46928300 L
C-C_R	-30.41528100	-21.68854800	-4.69542600 L
C-C_R	-28.40889200	-18.68892600	-5.02406200 L
C-C_R	-30.59226300	-18.85210200	-3.96099900 L
H-H_	-31.36819700	-21.23277700	-4.94206700 L
C-C_R	-28.05359900	-17.46900800	-4.43794900 L
C-C_R	-27.72102200	-19.11696900	-6.16458900 L
C-C_R	-31.18373300	-19.31607400	-2.78132200 L
C-C_R	-31.16599100	-17.76845300	-4.63169800 L
H-H_	-28.54933500	-17.15140600	-3.52909600 L
C-C_R	-27.06028700	-16.68784100	-4.99651700 L
H-H_	-27.98393700	-20.06185800	-6.62601000 L

C-C_R	-26.71707300	-18.33812900	-6.70854700 L
C-C_R	-32.32999000	-18.70667500	-2.29187800 L
H-H_	-30.73692400	-20.14849100	-2.25362000 L
H-H_	-30.71515800	-17.41298700	-5.55078000 L
C-C_R	-32.30580800	-17.16110500	-4.12878800 L
C-C_R	-26.38491200	-17.09573100	-6.15362000 L
H-H_	-26.78335700	-15.75978800	-4.51280000 L
H-H_	-26.17137700	-18.67709700	-7.57859900 L
H-H_	-32.77617800	-19.07417600	-1.37439900 L
C-C_R	-32.89704800	-17.62604000	-2.95805700 L
H-H_	-32.73987700	-16.32422600	-4.66368600 L
C-C_R	-25.28968800	-16.31037900	-6.75026000 L
H-H_	-33.79214500	-17.15408000	-2.57110400 L
N-N_R	-24.30155000	-17.03329700	-7.25972300 L
C-C_R	-25.22013800	-14.88750500	-6.75978800 L
C-C_R	-23.19308300	-16.41744600	-7.68384000 L
N-N_R	-24.09112900	-14.27336200	-7.08660700 L
C-C_R	-26.35264800	-13.98795700	-6.47327100 L
C-C_R	-23.05287900	-14.99872200	-7.51302200 L
C-C_R	-22.14817000	-17.16502500	-8.27470600 L
C-C_R	-27.66893800	-14.29335200	-6.84250500 L
C-C_R	-26.10445200	-12.74201600	-5.88567300 L
C-C_R	-21.82495500	-14.36769500	-7.82100300 L
C-C_R	-20.94128000	-16.52240800	-8.64081800 L
C-C_R	-22.30794300	-18.55482100	-8.50045400 L
C-C_R	-28.70105800	-13.40867800	-6.60009600 L
H-H_	-27.87985100	-15.22480400	-7.35333400 L
H-H_	-25.08371500	-12.48236300	-5.63381700 L
C-C_R	-27.13453300	-11.85825900	-5.62299100 L
C-C_R	-20.75754900	-15.12720700	-8.35567600 L
C-C_R	-21.66451900	-12.97877100	-7.59615100 L
N-N_R	-22.43915600	-19.69304700	-8.68513900 L
H-H_	-29.70945000	-13.65020900	-6.91294600 L
C-C_R	-28.45061900	-12.18428100	-5.97088300 L
H-H_	-26.92760400	-10.91161600	-5.14106400 L
N-N_R	-21.53330500	-11.84054500	-7.41146500 L
N-N_R	-29.50528600	-11.29553800	-5.70333400 L
C-C_R	-30.74613400	-11.79076400	-5.26341400 L
C-C_R	-29.31773900	-9.90761400	-5.86402200 L
C-C_R	-30.80013000	-12.84366500	-4.34354900 L
C-C_R	-31.93921800	-11.23592100	-5.73516500 L
C-C_R	-29.86537600	-9.00907500	-4.94459400 L
C-C_R	-28.57958200	-9.41719100	-6.94517900 L
H-H_	-29.87674900	-13.26961700	-3.96907900 L

C-C_R	-32.02359000	-13.33071900	-3.91211100 L
H-H_	-31.90180900	-10.42750800	-6.45508000 L
C-C_R	-33.15756600	-11.72328400	-5.28847000 L
H-H_	-30.42715400	-9.38679200	-4.09941700 L
C-C_R	-29.68190100	-7.64502400	-5.11187100 L
H-H_	-28.15970200	-10.11106200	-7.66355400 L
C-C_R	-28.38953000	-8.05185500	-7.09431500 L
H-H_	-32.04631800	-14.14300700	-3.19542600 L
C-C_R	-33.20952600	-12.77307500	-4.37794300 L
H-H_	-34.07547700	-11.28532800	-5.66610400 L
C-C_R	-28.94015000	-7.15822400	-6.18349100 L
H-H_	-30.10764700	-6.95948500	-4.38973200 L
H-H_	-27.81399500	-7.68587900	-7.93686800 L
H-H_	-34.16556100	-13.15032000	-4.03293800 L
H-H_	-28.79386700	-6.09166400	-6.30662000 L
C-C_R	-17.59268300	-22.40322000	-14.21977200 L
H-H_	-18.61833800	-22.52736700	-14.54570300 L
C-C_R	-15.39509200	-23.29541700	-13.84984700 L
H-H_	-14.69916600	-24.12730300	-13.87317400 L
C-C_R	-16.70892000	-23.47536700	-14.26673000 L
H-H_	-17.04211100	-24.44212300	-14.62598900 L
C-C_R	-17.17181800	-21.16284000	-13.76698100 L
C-C_R	-15.85120900	-20.98246100	-13.33990800 L
H-H_	-17.85805000	-20.32527100	-13.74200300 L
N-N_R	-15.42166900	-19.72615700	-12.87049700 L
C-C_R	-14.96630000	-22.06347400	-13.38185700 L
C-C_R	-16.26701200	-18.94882900	-12.06138500 L
C-C_R	-14.13841500	-19.25356700	-13.20225400 L
H-H_	-13.94758600	-21.93126500	-13.03986900 L
C-C_R	-16.32298600	-17.56030100	-12.22538700 L
C-C_R	-17.07446200	-19.54747700	-11.08706900 L
C-C_R	-13.62263800	-19.44342000	-14.48754800 L
C-C_R	-13.36289000	-18.58822200	-12.24781500 L
H-H_	-15.73617400	-17.09318900	-13.00609700 L
C-C_R	-17.13656900	-16.79313600	-11.41637500 L
H-H_	-17.04485700	-20.62197500	-10.95554000 L
C-C_R	-17.89969000	-18.77365600	-10.29315800 L
C-C_R	-12.35323300	-18.98434500	-14.80412000 L
H-H_	-14.22416100	-19.94965600	-15.23228700 L
H-H_	-13.75565100	-18.44659800	-11.24895300 L
C-C_R	-12.09955200	-18.12278800	-12.57730200 L
C-C_R	-17.92665500	-17.37965900	-10.41977600 L
H-H_	-17.18335700	-15.72363900	-11.57698400 L
H-H_	-18.53747500	-19.23868900	-9.55221600 L

H-H_	-11.96849500	-19.13685100	-15.80503600 L
C-C_R	-11.58477600	-18.32018700	-13.85376000 L
H-H_	-11.50938600	-17.61316300	-11.82416400 L
C-C_R	-18.84195900	-16.59781300	-9.56968800 L
H-H_	-10.59460800	-17.96155500	-14.10734600 L
N-N_R	-19.98268300	-17.20495400	-9.27511400 L
C-C_R	-18.59377600	-15.27072100	-9.11357100 L
N-N_R	-19.56881700	-14.55482600	-8.57082000 L
C-C_R	-17.28060100	-14.60232800	-9.14569500 L
C-C_R	-16.07899600	-15.29145400	-8.93796000 L
C-C_R	-17.22357600	-13.21198200	-9.30597800 L
C-C_R	-14.86717300	-14.62768800	-8.92893100 L
H-H_	-16.09679300	-16.35778700	-8.75118200 L
H-H_	-18.15161200	-12.66829000	-9.42763100 L
C-C_R	-16.01482500	-12.54286400	-9.31672000 L
H-H_	-13.95001600	-15.17216500	-8.74308200 L
C-C_R	-14.81704500	-13.24506000	-9.13484200 L
H-H_	-15.98852500	-11.47173300	-9.47059400 L
N-N_R	-13.58386500	-12.57434900	-9.14915100 L
C-C_R	-12.46795300	-13.16945600	-9.76768400 L
C-C_R	-13.46408700	-11.30154100	-8.55768900 L
C-C_R	-12.61591300	-13.86684300	-10.97014600 L
C-C_R	-11.19922700	-13.07026000	-9.18832700 L
C-C_R	-12.69647800	-10.30460100	-9.16944200 L
C-C_R	-14.11226000	-11.02028000	-7.35104000 L
H-H_	-13.59590600	-13.93832300	-11.42633500 L
C-C_R	-11.51528500	-14.45354800	-11.57689800 L
H-H_	-11.08189700	-12.54012800	-8.25237000 L
C-C_R	-10.10323300	-13.65084300	-9.80893600 L
H-H_	-12.20264900	-10.51547800	-10.11096100 L
C-C_R	-12.57901300	-9.05731800	-8.57831000 L
H-H_	-14.70061600	-11.79306500	-6.87048400 L
C-C_R	-13.99908600	-9.76439500	-6.77704200 L
H-H_	-11.64852100	-14.98636500	-12.51197000 L
C-C_R	-10.25357400	-14.34788200	-11.00344900 L
H-H_	-9.12594100	-13.56779200	-9.34702000 L
C-C_R	-13.23051500	-8.77750700	-7.38165100 L
H-H_	-11.98471600	-8.29226700	-9.06592900 L
H-H_	-14.50901500	-9.56125800	-5.84214700 L
H-H_	-9.39385800	-14.79980600	-11.48301200 L
H-H_	-13.14324400	-7.79815400	-6.92745400 L
C-C_R	-26.98530500	-23.64211800	0.97879000 L
H-H_	-26.02464500	-24.08774100	1.21347000 L
C-C_R	-29.31139400	-23.86435800	0.42873100 L

H-H_	-30.17443800	-24.48329700	0.21659400 L
C-C_R	-28.08643300	-24.45104100	0.72161900 L
H-H_	-27.98894700	-25.53081300	0.74881400 L
C-C_R	-27.10374000	-22.26180700	0.95190200 L
C-C_R	-28.33420600	-21.66920900	0.64918100 L
H-H_	-26.24762400	-21.63284700	1.16479400 L
N-N_R	-28.45732400	-20.26681600	0.61074000 L
C-C_R	-29.43770600	-22.48369600	0.38449800 L
C-C_R	-27.43131700	-19.48407500	0.05586200 L
C-C_R	-29.61468800	-19.64725000	1.11892600 L
H-H_	-30.38998500	-22.02868900	0.13795600 L
C-C_R	-27.07538700	-18.26492100	0.64207400 L
C-C_R	-26.74278400	-19.91298800	-1.08555900 L
C-C_R	-30.20615800	-20.11122200	2.29860300 L
C-C_R	-30.18841600	-18.56360100	0.44822700 L
H-H_	-27.57176000	-17.94655500	1.55082800 L
C-C_R	-26.08271200	-17.48298900	0.08340800 L
H-H_	-27.00636200	-20.85700700	-1.54608600 L
C-C_R	-25.73949800	-19.13327700	-1.62862200 L
C-C_R	-31.35241500	-19.50182300	2.78804600 L
H-H_	-29.75934900	-20.94363900	2.82630500 L
H-H_	-29.73758300	-18.20813600	-0.47085600 L
C-C_R	-31.32823300	-17.95625300	0.95113600 L
C-C_R	-25.40733700	-17.89088000	-1.07369600 L
H-H_	-25.80578200	-16.55493700	0.56712500 L
H-H_	-25.19377700	-19.47235300	-2.49966900 L
H-H_	-31.79796600	-19.87008900	3.70562400 L
C-C_R	-31.91947300	-18.42118800	2.12186800 L
H-H_	-31.76230200	-17.11937400	0.41623900 L
C-C_R	-24.31208800	-17.10563400	-1.67133000 L
H-H_	-32.81457000	-17.94922900	2.50882000 L
N-N_R	-23.32397500	-17.82844600	-2.17979900 L
C-C_R	-24.24192600	-15.68341800	-1.67976500 L
C-C_R	-22.21550800	-17.21259400	-2.60391600 L
N-N_R	-23.11355400	-15.06851100	-2.00668200 L
C-C_R	-25.37443600	-14.78386900	-1.39324800 L
C-C_R	-22.07466700	-15.79463500	-2.43299900 L
C-C_R	-21.16995800	-17.96093800	-3.19468300 L
C-C_R	-26.69072600	-15.08926500	-1.76248200 L
C-C_R	-25.12687700	-13.53716400	-0.80574900 L
C-C_R	-20.84674300	-15.16360800	-2.74098000 L
C-C_R	-19.96370600	-17.31755600	-3.56089400 L
C-C_R	-21.33036800	-19.34996900	-3.42052900 L
C-C_R	-27.72282000	-14.20469800	-1.52106700 L

H-H_	-26.90163800	-16.02071600	-2.27331100 L
H-H_	-24.10614000	-13.27751200	-0.55389300 L
C-C_R	-26.15695800	-12.65340700	-0.54306700 L
C-C_R	-19.77933700	-15.92311900	-3.27565300 L
C-C_R	-20.68694400	-13.77391900	-2.51622700 L
N-N_R	-21.46158200	-20.48819500	-3.60521500 L
H-H_	-28.73187500	-14.44535700	-1.83302100 L
C-C_R	-27.47304400	-12.97943000	-0.89095900 L
H-H_	-25.95003000	-11.70676500	-0.06114000 L
N-N_R	-20.55509300	-12.63645800	-2.33144200 L
N-N_R	-28.52771100	-12.09068700	-0.62340900 L
C-C_R	-29.76792100	-12.58667700	-0.18339100 L
C-C_R	-28.33952700	-10.70352600	-0.78399800 L
C-C_R	-29.82255500	-13.63881300	0.73637500 L
C-C_R	-30.96161800	-12.03117700	-0.65623500 L
C-C_R	-28.88716400	-9.80498700	0.13542900 L
C-C_R	-27.60137000	-10.21310300	-1.86515500 L
H-H_	-28.89917500	-14.06476500	1.11084500 L
C-C_R	-31.04601600	-14.12586800	1.16781400 L
H-H_	-30.92423400	-11.22265600	-1.37515500 L
C-C_R	-32.17999100	-12.51843200	-0.20854600 L
H-H_	-29.44894200	-10.18270400	0.98060600 L
C-C_R	-28.70432700	-8.44017300	-0.03194700 L
H-H_	-27.18210200	-10.90631700	-2.58462300 L
C-C_R	-27.41195500	-8.84700400	-2.01439100 L
H-H_	-31.06874300	-14.93815600	1.88449900 L
C-C_R	-32.23195100	-13.56822300	0.70198100 L
H-H_	-33.09790200	-12.08047700	-0.58618000 L
C-C_R	-27.96257500	-7.95337200	-1.10356600 L
H-H_	-29.13007200	-7.75463300	0.69019300 L
H-H_	-26.83642000	-8.48102800	-2.85694300 L
H-H_	-33.18798700	-13.94546900	1.04698600 L
H-H_	-27.81565500	-6.88757700	-1.22659700 L
C-C_R	-16.61510800	-23.19836800	-9.13984800 L
H-H_	-17.64076300	-23.32251500	-9.46577800 L
C-C_R	-14.41685400	-24.09143600	-8.77081800 L
H-H_	-13.72159100	-24.92245200	-8.79324900 L
C-C_R	-15.73132000	-24.27062200	-9.18779900 L
H-H_	-16.06453700	-25.23727100	-9.54606500 L
C-C_R	-16.19424400	-21.95798800	-8.68705600 L
C-C_R	-14.87363400	-21.77760900	-8.25998400 L
H-H_	-16.88047500	-21.12042000	-8.66207900 L
N-N_R	-14.44409500	-20.52130600	-7.79057300 L
C-C_R	-13.98872500	-22.85862200	-8.30193300 L

C-C_R	-15.28943700	-19.74397800	-6.98146000 L
C-C_R	-13.16084000	-20.04871600	-8.12233000 L
H-H_	-12.96937400	-22.72717800	-7.95984600 L
C-C_R	-15.34477400	-18.35621300	-7.14536400 L
C-C_R	-16.09625000	-20.34338900	-6.00704600 L
C-C_R	-12.64442600	-20.23933300	-9.40752500 L
C-C_R	-12.38531600	-19.38337000	-7.16789100 L
H-H_	-14.75857400	-17.88844500	-7.92716600 L
C-C_R	-16.15899400	-17.58828500	-6.33645000 L
H-H_	-16.06728300	-21.41712300	-5.87561600 L
C-C_R	-16.92147800	-19.56956800	-5.21313500 L
C-C_R	-11.37565800	-19.77949300	-9.72419600 L
H-H_	-13.24658600	-20.74480500	-10.15236300 L
H-H_	-12.77807600	-19.24174600	-6.16902800 L
C-C_R	-11.12197700	-18.91793700	-7.49737700 L
C-C_R	-16.94844300	-18.17557200	-5.33975300 L
H-H_	-16.20578200	-16.51878800	-6.49706000 L
H-H_	-17.55990000	-20.03383800	-4.47229100 L
H-H_	-10.99092000	-19.93199900	-10.72511200 L
C-C_R	-10.60720100	-19.11533500	-8.77383600 L
H-H_	-10.53117400	-18.40907600	-6.74414100 L
C-C_R	-17.86438400	-17.39296200	-4.48976400 L
H-H_	-9.61639600	-18.75746700	-9.02732300 L
N-N_R	-19.00510900	-18.00010200	-4.19519000 L
C-C_R	-17.61620100	-16.06587000	-4.03364700 L
N-N_R	-18.59060500	-15.35073900	-3.49079700 L
C-C_R	-16.30238900	-15.39824100	-4.06567200 L
C-C_R	-15.10078400	-16.08736600	-3.85793700 L
C-C_R	-16.24536400	-14.00789500	-4.22595500 L
C-C_R	-13.88959800	-15.42283700	-3.84900600 L
H-H_	-15.11921800	-17.15293500	-3.67125800 L
H-H_	-17.17403700	-13.46343800	-4.34770700 L
C-C_R	-15.03725100	-13.33801300	-4.23679600 L
H-H_	-12.97244100	-15.96731300	-3.66315800 L
C-C_R	-13.83947000	-14.04020800	-4.05491700 L
H-H_	-15.01095000	-12.26688100	-4.39067000 L
N-N_R	-12.60626500	-13.36960400	-4.07022100 L
C-C_R	-11.49037900	-13.96460500	-4.68775900 L
C-C_R	-12.48651300	-12.09668900	-3.47776500 L
C-C_R	-11.63767500	-14.66286300	-5.89111700 L
C-C_R	-10.22101500	-13.86617300	-4.10830400 L
C-C_R	-11.71890300	-11.09974900	-4.08951700 L
C-C_R	-13.13468500	-11.81542900	-2.27111600 L
H-H_	-12.61833200	-14.73347100	-6.34641100 L

C-C_R	-10.53771000	-15.24869700	-6.49697300 L
H-H_	-10.10432200	-13.33527600	-3.17244500 L
C-C_R	-9.12565800	-14.44599100	-4.72901200 L
H-H_	-11.22507400	-11.31062600	-5.03103600 L
C-C_R	-11.60143800	-9.85246600	-3.49838500 L
H-H_	-13.72304100	-12.58821300	-1.79055900 L
C-C_R	-13.02151200	-10.55954400	-1.69711800 L
H-H_	-10.67094700	-15.78151300	-7.43204500 L
C-C_R	-9.27600000	-15.14303000	-5.92352500 L
H-H_	-8.14772900	-14.36370400	-4.26699700 L
C-C_R	-12.25294000	-9.57265500	-2.30172700 L
H-H_	-11.00714100	-9.08741600	-3.98600500 L
H-H_	-13.53144000	-10.35640700	-0.76222300 L
H-H_	-8.41628300	-15.59495400	-6.40308800 L
H-H_	-12.16567000	-8.59330200	-1.84752900 L
C-C_R	-26.00773000	-24.43726600	6.05871500 L
H-H_	-25.04707000	-24.88288900	6.29339500 L
C-C_R	-28.33381900	-24.65950600	5.50865500 L
H-H_	-29.19686400	-25.27844500	5.29651800 L
C-C_R	-27.10822100	-25.24695400	5.80164200 L
H-H_	-27.01134700	-26.32606800	5.82774500 L
C-C_R	-26.12616500	-23.05695500	6.03182700 L
C-C_R	-27.35663200	-22.46435700	5.72910500 L
H-H_	-25.27005000	-22.42799500	6.24471800 L
N-N_R	-27.47974900	-21.06196400	5.69066500 L
C-C_R	-28.46013100	-23.27884500	5.46442300 L
C-C_R	-26.45374300	-20.27922300	5.13578700 L
C-C_R	-28.63711400	-20.44239900	6.19885000 L
H-H_	-29.41241000	-22.82383800	5.21788100 L
C-C_R	-26.09781300	-19.06006900	5.72199900 L
C-C_R	-25.76520900	-20.70813700	3.99436500 L
C-C_R	-29.22858300	-20.90637000	7.37852700 L
C-C_R	-29.21084100	-19.35875000	5.52815100 L
H-H_	-26.59416000	-18.74181000	6.62975800 L
C-C_R	-25.10450000	-18.27890200	5.16343100 L
H-H_	-26.02878700	-21.65215500	3.53383900 L
C-C_R	-24.76192400	-19.92842600	3.45130200 L
C-C_R	-30.37417700	-20.29784300	7.86707500 L
H-H_	-28.78113700	-21.73955200	7.90632800 L
H-H_	-28.75937100	-19.00404800	4.60916700 L
C-C_R	-30.35065900	-18.75140200	6.03106000 L
C-C_R	-24.42976300	-18.68602800	4.00622900 L
H-H_	-24.82820800	-17.35008500	5.64704900 L
H-H_	-24.21556500	-20.26826500	2.58035400 L

H-H_	-30.82039100	-20.66523700	8.78554800 L
C-C_R	-30.94126100	-19.21710100	7.20189100 L
H-H_	-30.78409000	-17.91528700	5.49626200 L
C-C_R	-23.33387600	-17.90154700	3.40869300 L
H-H_	-31.83633300	-18.74524800	7.58784900 L
N-N_R	-22.34576300	-18.62435800	2.90022400 L
C-C_R	-23.26435200	-16.47856600	3.40015900 L
C-C_R	-21.23793300	-18.00774200	2.47600800 L
N-N_R	-22.13598000	-15.86365900	3.07324200 L
C-C_R	-24.39686100	-15.57901800	3.68667600 L
C-C_R	-21.09709200	-16.58978300	2.64692500 L
C-C_R	-20.19235700	-18.75619300	1.88424700 L
C-C_R	-25.71315200	-15.88441300	3.31744200 L
C-C_R	-24.14866500	-14.33307700	4.27427400 L
C-C_R	-19.86914300	-15.95886300	2.33795100 L
C-C_R	-18.98613100	-18.11270500	1.51903100 L
C-C_R	-20.35215600	-20.14588200	1.65949400 L
C-C_R	-26.74524500	-14.99984600	3.55885700 L
H-H_	-25.92406400	-16.81586500	2.80661300 L
H-H_	-23.12792800	-14.07342400	4.52613000 L
C-C_R	-25.17874600	-13.44932000	4.53695700 L
C-C_R	-18.80176200	-16.71826800	1.80427200 L
C-C_R	-19.70937000	-14.56906800	2.56369800 L
N-N_R	-20.48400700	-21.28334300	1.47470900 L
H-H_	-27.75427500	-15.24061300	3.24590900 L
C-C_R	-26.49544400	-13.77468500	4.18797200 L
H-H_	-24.97245500	-12.50191300	5.01878400 L
N-N_R	-19.57751900	-13.43160600	2.74848200 L
N-N_R	-27.54949900	-12.88659900	4.45661400 L
C-C_R	-28.79034700	-13.38182500	4.89653400 L
C-C_R	-27.36195200	-11.49867500	4.29592600 L
C-C_R	-28.84434300	-14.43472600	5.81639800 L
C-C_R	-29.98340600	-12.82708900	4.42378800 L
C-C_R	-27.90958900	-10.60013600	5.21535400 L
C-C_R	-26.62379500	-11.00825200	3.21476900 L
H-H_	-27.92160000	-14.85991400	6.19077000 L
C-C_R	-30.06844100	-14.92101600	6.24773800 L
H-H_	-29.94602200	-12.01856900	3.70486800 L
C-C_R	-31.20241600	-13.31358100	4.87137900 L
H-H_	-28.47136700	-10.97785300	6.06053000 L
C-C_R	-27.72608900	-9.23619200	5.04708200 L
H-H_	-26.20452700	-11.70146600	2.49530100 L
C-C_R	-26.43374300	-9.64291600	3.06563200 L
H-H_	-30.09053100	-15.73406800	6.96452200 L

C-C_R	-31.25437600	-14.36337200	5.78190600 L
H-H_	-32.11969000	-12.87638900	4.49384300 L
C-C_R	-26.98500100	-8.74852100	3.97635800 L
H-H_	-28.15186000	-8.55054600	5.77021600 L
H-H_	-25.85820800	-9.27694000	2.22308000 L
H-H_	-32.20977400	-14.74138100	6.12700900 L
H-H_	-26.83808000	-7.68272500	3.85332800 L
C-C_R	-15.63753300	-23.99351700	-4.05992300 L
H-H_	-16.66316300	-24.11777100	-4.38684800 L
C-C_R	-13.43928000	-24.88658500	-3.69089300 L
H-H_	-12.74401600	-25.71760000	-3.71332500 L
C-C_R	-14.75374500	-25.06577000	-4.10787500 L
H-H_	-15.08632400	-26.03318400	-4.46604200 L
C-C_R	-15.21600600	-22.75400800	-3.60802700 L
C-C_R	-13.89605900	-22.57275800	-3.18005900 L
H-H_	-15.90290000	-21.91556800	-3.58215500 L
N-N_R	-13.46652000	-21.31645400	-2.71064900 L
C-C_R	-13.01051300	-23.65453500	-3.22191000 L
C-C_R	-14.31186200	-20.53912600	-1.90153600 L
C-C_R	-12.18326600	-20.84386400	-3.04240500 L
H-H_	-11.99179900	-23.52232600	-2.87992200 L
C-C_R	-14.36717400	-19.15146900	-2.06643300 L
C-C_R	-15.11864900	-21.13864500	-0.92811500 L
C-C_R	-11.66685100	-21.03448100	-4.32760100 L
C-C_R	-11.40710400	-20.17928300	-2.08786800 L
H-H_	-13.78036200	-18.68435700	-2.84714300 L
C-C_R	-15.18141900	-18.38343300	-1.25652600 L
H-H_	-15.08907100	-22.21303600	-0.79559300 L
C-C_R	-15.94390300	-20.36471700	-0.13321100 L
C-C_R	-10.39744600	-20.57540600	-4.64417300 L
H-H_	-12.26837400	-21.54071700	-5.07234000 L
H-H_	-11.79986400	-20.03765900	-1.08900500 L
C-C_R	-10.14440200	-19.71308500	-2.41745300 L
C-C_R	-15.97084300	-18.97082700	-0.26082300 L
H-H_	-15.22757000	-17.31470000	-1.41703700 L
H-H_	-16.58168800	-20.82975000	0.60773200 L
H-H_	-10.01270800	-20.72791200	-5.64508900 L
C-C_R	-9.62962600	-19.91048300	-3.69391200 L
H-H_	-9.55359900	-19.20422400	-1.66421700 L
C-C_R	-16.88680900	-18.18811000	0.59016100 L
H-H_	-8.63882200	-19.55261600	-3.94739800 L
N-N_R	-18.02753400	-18.79525100	0.88473500 L
C-C_R	-16.63796300	-16.86188900	1.04538200 L
N-N_R	-17.61303000	-16.14588700	1.58912800 L

C-C_R	-15.32481400	-16.19338900	1.01425300 L
C-C_R	-14.12320900	-16.88251500	1.22198800 L
C-C_R	-15.26778900	-14.80304300	0.85396900 L
C-C_R	-12.91202300	-16.21798500	1.23091800 L
H-H_	-14.14161800	-17.94819000	1.40767300 L
H-H_	-16.19646300	-14.25858700	0.73221700 L
C-C_R	-14.05903900	-14.13392500	0.84322700 L
H-H_	-11.99422900	-16.76322600	1.41686500 L
C-C_R	-12.86189500	-14.83535700	1.02500700 L
H-H_	-14.03273800	-13.06279400	0.68935300 L
N-N_R	-11.62805300	-14.16551700	1.00980200 L
C-C_R	-10.51214100	-14.76062400	0.39127000 L
C-C_R	-11.50830000	-12.89260200	1.60225800 L
C-C_R	-10.66010000	-15.45801100	-0.81119300 L
C-C_R	-9.24341500	-14.66142800	0.97062600 L
C-C_R	-10.74069100	-11.89566200	0.99050600 L
C-C_R	-12.15647300	-12.61134100	2.80890700 L
H-H_	-11.64075700	-15.52862000	-1.26648600 L
C-C_R	-9.56013500	-16.04384500	-1.41704900 L
H-H_	-9.12674700	-14.13042500	1.90747900 L
C-C_R	-8.14744600	-15.24190400	0.35101100 L
H-H_	-10.24686200	-12.10653900	0.04898700 L
C-C_R	-10.62386300	-10.64761500	1.58153900 L
H-H_	-12.74482900	-13.38412600	3.28946400 L
C-C_R	-12.04393700	-11.35469200	3.38280700 L
H-H_	-9.69337200	-16.57666100	-2.35212100 L
C-C_R	-8.29778800	-15.93894300	-0.84350200 L
H-H_	-7.17015400	-15.15885300	0.81292700 L
C-C_R	-11.27534000	-10.36791100	2.77720400 L
H-H_	-10.02956700	-9.88256400	1.09392000 L
H-H_	-12.55320300	-11.15242600	4.31680700 L
H-H_	-7.43804500	-16.39097400	-1.32405900 L
H-H_	-11.18745800	-9.38921500	3.23249400 L
C-C_R	-25.03015500	-25.23241500	11.13863900 L
H-H_	-24.06949600	-25.67803800	11.37331900 L
C-C_R	-27.35624400	-25.45465500	10.58857900 L
H-H_	-28.21928900	-26.07359400	10.37644300 L
C-C_R	-26.13064600	-26.04210200	10.88156600 L
H-H_	-26.03377200	-27.12121600	10.90766900 L
C-C_R	-25.14859000	-23.85210300	11.11175100 L
C-C_R	-26.37905700	-23.25950600	10.80903000 L
H-H_	-24.29183800	-23.22390800	11.32474200 L
N-N_R	-26.50217400	-21.85711200	10.77058900 L
C-C_R	-27.48191900	-24.07475700	10.54444600 L

C-C_R	-25.47550500	-21.07524300	10.21481600 L
C-C_R	-27.65890100	-21.23831100	11.27887300 L
H-H_	-28.43483500	-23.61898600	10.29780500 L
C-C_R	-25.12023800	-19.85521800	10.80192300 L
C-C_R	-24.78763500	-21.50328500	9.07428900 L
C-C_R	-28.25100900	-21.70151900	12.45845100 L
C-C_R	-28.23324100	-20.15400500	10.60708100 L
H-H_	-25.61594700	-19.53772300	11.70978100 L
C-C_R	-24.12692600	-19.07405000	10.24335500 L
H-H_	-25.05057500	-22.44806800	8.61386200 L
C-C_R	-23.78371100	-20.72433800	8.53132500 L
C-C_R	-29.39660200	-21.09299100	12.94700000 L
H-H_	-27.80356200	-22.53470000	12.98625200 L
H-H_	-27.78179600	-19.79919700	9.68909200 L
C-C_R	-29.37244600	-19.54731400	11.11108400 L
C-C_R	-23.45155100	-19.48194100	9.08625200 L
H-H_	-23.84999500	-18.14599800	10.72707200 L
H-H_	-23.23799000	-21.06341400	7.66027900 L
H-H_	-29.84279100	-21.46049300	13.86447900 L
C-C_R	-29.96368600	-20.01224900	12.28181500 L
H-H_	-29.80649000	-18.71054200	10.57519200 L
C-C_R	-22.35630100	-18.69669500	8.48861800 L
H-H_	-30.85875800	-19.54039700	12.66777300 L
N-N_R	-21.36818800	-19.41950700	7.98014900 L
C-C_R	-22.28677700	-17.27371400	8.48008300 L
C-C_R	-20.25972100	-18.80365500	7.55603200 L
N-N_R	-21.15776700	-16.65957200	8.15326500 L
C-C_R	-23.41926100	-16.37427300	8.76560700 L
C-C_R	-20.11951700	-17.38493200	7.72684900 L
C-C_R	-19.21478300	-19.55134100	6.96417100 L
C-C_R	-24.73557700	-16.67956100	8.39736700 L
C-C_R	-23.17109000	-15.12822500	9.35419900 L
C-C_R	-18.89156800	-16.75401200	7.41787500 L
C-C_R	-18.00791900	-18.90861700	6.59905400 L
C-C_R	-19.37458100	-20.94103000	6.73941800 L
C-C_R	-25.76767100	-15.79499500	8.63878200 L
H-H_	-24.94648900	-17.61101300	7.88653700 L
H-H_	-22.15035400	-14.86857300	9.60605400 L
C-C_R	-24.20117200	-14.24446800	9.61688100 L
C-C_R	-17.82418700	-17.51341600	6.88419600 L
C-C_R	-18.73115700	-15.36498000	7.64372100 L
N-N_R	-19.50579500	-22.07925600	6.55473300 L
H-H_	-26.77606300	-16.03652500	8.32593200 L
C-C_R	-25.51723200	-14.57059800	9.26799500 L

H-H_	-23.99424300	-13.29782600	10.09880700 L
N-N_R	-18.59994400	-14.22675400	7.82840700 L
N-N_R	-26.57192400	-13.68174800	9.53653800 L
C-C_R	-27.81277200	-14.17697400	9.97645800 L
C-C_R	-26.38435200	-12.29393000	9.37485600 L
C-C_R	-27.86676800	-15.22987400	10.89632200 L
C-C_R	-29.00583100	-13.62223800	9.50371300 L
C-C_R	-26.93198900	-11.39539100	10.29428400 L
C-C_R	-25.64619500	-11.80350700	8.29369900 L
H-H_	-26.94338800	-15.65582600	11.27079300 L
C-C_R	-29.09022900	-15.71692900	11.32776100 L
H-H_	-28.96844800	-12.81371700	8.78479200 L
C-C_R	-30.22420400	-14.10949300	9.95140200 L
H-H_	-27.49379300	-11.77300100	11.14045500 L
C-C_R	-26.74851400	-10.03134100	10.12700700 L
H-H_	-25.22631500	-12.49737800	7.57532400 L
C-C_R	-25.45616900	-10.43806500	8.14555700 L
H-H_	-29.11295600	-16.52921700	12.04444600 L
C-C_R	-30.27616400	-15.15928400	10.86192900 L
H-H_	-31.14211600	-13.67153800	9.57376800 L
C-C_R	-26.00678900	-9.54443300	9.05638100 L
H-H_	-27.17428500	-9.34569400	10.85014000 L
H-H_	-24.88063300	-10.07208900	7.30300400 L
H-H_	-31.23220000	-15.53653000	11.20693400 L
H-H_	-25.86050500	-8.47787400	8.93325200 L
C-C_R	-14.65932100	-24.78942900	1.02010000 L
H-H_	-15.68495100	-24.91368300	0.69317500 L
C-C_R	-12.46170500	-25.68173300	1.38903100 L
H-H_	-11.76580400	-26.51351300	1.36669800 L
C-C_R	-13.77617000	-25.86091900	0.97205000 L
H-H_	-14.10875000	-26.82833200	0.61388300 L
C-C_R	-14.23843100	-23.54915600	1.47189700 L
C-C_R	-12.91782200	-23.36877700	1.89897000 L
H-H_	-14.92468800	-22.71148100	1.49786800 L
N-N_R	-12.48830800	-22.11236700	2.36937400 L
C-C_R	-12.03293800	-24.44968300	1.85801500 L
C-C_R	-13.33365000	-21.33503900	3.17848700 L
C-C_R	-11.20505400	-21.63977700	2.03761800 L
H-H_	-11.01419900	-24.31758200	2.19900900 L
C-C_R	-13.38959900	-19.94661700	3.01349100 L
C-C_R	-14.14107500	-21.93379300	4.15180900 L
C-C_R	-10.68927700	-21.82963000	0.75232400 L
C-C_R	-10.42952900	-20.97443100	2.99205600 L
H-H_	-12.80278700	-19.47950600	2.23278100 L

C-C_R	-14.20320700	-19.17934600	3.82349700 L
H-H_	-14.11149600	-23.00818400	4.28433200 L
C-C_R	-14.96632800	-21.15986500	4.94671300 L
C-C_R	-9.41987100	-21.37055400	0.43575100 L
H-H_	-11.29077400	-22.33597300	0.00659000 L
H-H_	-10.82229000	-20.83280700	3.99091900 L
C-C_R	-9.16619000	-20.50899800	2.66257000 L
C-C_R	-14.99326800	-19.76597600	4.81910200 L
H-H_	-14.24999600	-18.10984900	3.66288800 L
H-H_	-15.60411300	-21.62489900	5.68765600 L
H-H_	-9.03513300	-21.52306000	-0.56516500 L
C-C_R	-8.65205200	-20.70563200	1.38601300 L
H-H_	-8.57602500	-19.99937300	3.41570700 L
C-C_R	-15.90859700	-18.98402300	5.67018400 L
H-H_	-7.66124700	-20.34776400	1.13252600 L
N-N_R	-17.04929600	-19.59127000	5.96376400 L
C-C_R	-15.66038900	-17.65703800	6.12530600 L
N-N_R	-16.63545500	-16.94103600	6.66905200 L
C-C_R	-14.34724000	-16.98853700	6.09417700 L
C-C_R	-13.14563500	-17.67766300	6.30191200 L
C-C_R	-14.29021500	-15.59819200	5.93389400 L
C-C_R	-11.93444900	-17.01313300	6.31084200 L
H-H_	-13.16340600	-18.74410300	6.48769600 L
H-H_	-15.21825100	-15.05449900	5.81224100 L
C-C_R	-13.08146400	-14.92907400	5.92315100 L
H-H_	-11.01662900	-17.55848100	6.49579600 L
C-C_R	-11.88368300	-15.63126900	6.10503000 L
H-H_	-13.05513800	-13.85804900	5.76828400 L
N-N_R	-10.65047800	-14.96066500	6.08972700 L
C-C_R	-9.53456600	-15.55577300	5.47119400 L
C-C_R	-10.53072600	-13.68775000	6.68218300 L
C-C_R	-9.68252600	-16.25316000	4.26873100 L
C-C_R	-8.26584000	-15.45657700	6.05055000 L
C-C_R	-9.76311600	-12.69081000	6.07043000 L
C-C_R	-11.17887300	-13.40659700	7.88783800 L
H-H_	-10.66254500	-16.32453200	3.81353700 L
C-C_R	-8.58192300	-16.83975800	3.66297400 L
H-H_	-8.14853500	-14.92633700	6.98750200 L
C-C_R	-7.16987100	-16.03705200	5.43093500 L
H-H_	-9.26928800	-12.90168700	5.12891100 L
C-C_R	-9.64565100	-11.44352700	6.66156200 L
H-H_	-11.76725400	-14.17927400	8.36938800 L
C-C_R	-11.06572500	-12.15060500	8.46283000 L
H-H_	-8.71516000	-17.37257400	2.72790200 L

C-C_R	-7.32021300	-16.73409100	4.23642300 L
H-H_	-6.19258000	-15.95400100	5.89285200 L
C-C_R	-10.29712800	-11.16382300	7.85722700 L
H-H_	-9.05135500	-10.67847700	6.17394300 L
H-H_	-11.57562800	-11.94757500	9.39673100 L
H-H_	-6.46047100	-17.18612200	3.75586600 L
H-H_	-10.20988300	-10.18436300	8.31241800 L
C-C_R	-7.16989700	-5.67511600	-5.41464200 L
H-H_	-6.20987400	-6.11997400	-5.18006100 L
C-C_R	-9.49662300	-5.89659100	-5.96480100 L
H-H_	-10.35980000	-6.51693000	-6.17679000 L
C-C_R	-8.27179500	-6.48467500	-5.67176500 L
H-H_	-8.17417700	-7.56304600	-5.64471700 L
C-C_R	-7.28896900	-4.29404000	-5.44162900 L
C-C_R	-8.52020600	-3.70207800	-5.74430200 L
H-H_	-6.43298700	-3.66648100	-5.22859000 L
N-N_R	-8.64255300	-2.29904900	-5.78279100 L
C-C_R	-9.62306800	-4.51733000	-6.00888600 L
C-C_R	-7.61668000	-1.51770800	-6.33752100 L
C-C_R	-9.79928000	-1.68024800	-5.27450700 L
H-H_	-10.57521400	-4.06092300	-6.25557500 L
C-C_R	-7.26061700	-0.29715400	-5.75145700 L
C-C_R	-6.92880900	-1.94575100	-7.47804800 L
C-C_R	-10.39152000	-2.14485600	-4.09478100 L
C-C_R	-10.37377800	-0.59723500	-5.94515700 L
H-H_	-7.75635200	0.02044800	-4.84260500 L
C-C_R	-6.26807500	0.48337700	-6.30997600 L
H-H_	-7.19095400	-2.89000400	-7.93951800 L
C-C_R	-5.92409000	-1.16627500	-8.02205500 L
C-C_R	-11.53777700	-1.53545700	-3.60533800 L
H-H_	-9.94394100	-2.97663700	-3.56712800 L
H-H_	-9.92294500	-0.24176900	-6.86424000 L
C-C_R	-11.51282500	0.01074900	-5.44229600 L
C-C_R	-5.59270000	0.07548700	-7.46707900 L
H-H_	-5.99114400	1.41143000	-5.82625900 L
H-H_	-5.37916500	-1.50587900	-8.89205900 L
H-H_	-11.98319500	-1.90232200	-2.68790700 L
C-C_R	-12.10406500	-0.45418600	-4.27156500 L
H-H_	-11.94689400	0.84762800	-5.97719400 L
C-C_R	-4.49670500	0.86147500	-8.06376800 L
H-H_	-12.99916200	0.01777400	-3.88461300 L
N-N_R	-3.50933700	0.13792100	-8.57318300 L
C-C_R	-4.42792600	2.28371300	-8.07324800 L
C-C_R	-2.40087000	0.75377200	-8.99730000 L

N-N_R	-3.29891600	2.89785600	-8.40006600 L
C-C_R	-5.56043600	3.18326100	-7.78673100 L
C-C_R	-2.26066600	2.17249600	-8.82648200 L
C-C_R	-1.35518700	0.00682900	-9.58821500 L
C-C_R	-6.87672600	2.87786600	-8.15596500 L
C-C_R	-5.31223900	4.42920200	-7.19913300 L
C-C_R	-1.03274200	2.80352300	-9.13446200 L
C-C_R	-0.14906800	0.64881000	-9.95427700 L
C-C_R	-1.51573000	-1.38360300	-9.81391300 L
C-C_R	-7.90884500	3.76254000	-7.91355600 L
H-H_	-7.08763800	1.94641400	-8.66679400 L
H-H_	-4.29150300	4.68885500	-6.94727700 L
C-C_R	-6.34155000	5.31359500	-6.93649900 L
C-C_R	0.03543400	2.04464700	-9.66918400 L
C-C_R	-0.87153600	4.19308300	-8.90965900 L
N-N_R	-1.64694400	-2.52182900	-9.99859900 L
H-H_	-8.91646700	3.52164500	-8.22645400 L
C-C_R	-7.65763600	4.98757300	-7.28439100 L
H-H_	-6.13462200	6.26023800	-6.45457300 L
N-N_R	-0.74032300	5.33130900	-8.72497300 L
N-N_R	-8.71230300	5.87631600	-7.01684200 L
C-C_R	-9.95392100	5.38045400	-6.57687300 L
C-C_R	-8.52552700	7.26360400	-7.17748100 L
C-C_R	-10.00791700	4.32755300	-5.65700900 L
C-C_R	-11.14700600	5.93529700	-7.04862500 L
C-C_R	-9.07239400	8.16277900	-6.25810200 L
C-C_R	-7.78659900	7.75466300	-8.25868700 L
H-H_	-9.08376700	3.90223700	-5.28258700 L
C-C_R	-11.23060800	3.84113500	-5.22561900 L
H-H_	-11.10959700	6.74371000	-7.76853900 L
C-C_R	-12.36535300	5.44793400	-6.60193000 L
H-H_	-9.63494200	7.78442600	-5.41287700 L
C-C_R	-8.88891900	9.52683000	-6.42537900 L
H-H_	-7.36672000	7.06079200	-8.97706200 L
C-C_R	-7.59731800	9.11936300	-8.40777500 L
H-H_	-11.25410500	3.02821100	-4.50888500 L
C-C_R	-12.41731300	4.39814300	-5.69140200 L
H-H_	-13.28326500	5.88589000	-6.97956400 L
C-C_R	-8.14793800	10.01299400	-7.49695000 L
H-H_	-9.31543400	10.21173300	-5.70319100 L
H-H_	-7.02178200	9.48533900	-9.25032700 L
H-H_	-13.37257900	4.02153400	-5.34644600 L
H-H_	-8.00088400	11.08019000	-7.62012800 L
C-C_R	3.20030000	-5.23136600	-15.53328000 L

H-H_	2.17387500	-5.35614900	-15.85916200 L
C-C_R	5.39789100	-6.12356300	-15.16335500 L
H-H_	6.09381700	-6.95544900	-15.18668200 L
C-C_R	4.08329300	-6.30414900	-15.58018900 L
H-H_	3.75087100	-7.27026900	-15.93949700 L
C-C_R	3.62116400	-3.99098600	-15.08048900 L
C-C_R	4.94100400	-3.81124300	-14.65336800 L
H-H_	2.93493300	-3.15341700	-15.05551200 L
N-N_R	5.37131300	-2.55430300	-14.18400600 L
C-C_R	5.82591300	-4.89225600	-14.69531700 L
C-C_R	4.52520100	-1.77761100	-13.37484400 L
C-C_R	6.65379700	-2.08234900	-14.51571300 L
H-H_	6.84539600	-4.75941100	-14.35337800 L
C-C_R	4.46922600	-0.38908300	-13.53884600 L
C-C_R	3.71775100	-2.37625900	-12.40052800 L
C-C_R	7.16957400	-2.27220200	-15.80100700 L
C-C_R	7.42932200	-1.41700400	-13.56127500 L
H-H_	5.05680800	0.07866500	-14.31960500 L
C-C_R	3.65641400	0.37871800	-12.72988300 L
H-H_	3.74735500	-3.45075700	-12.26900000 L
C-C_R	2.89252300	-1.60243800	-11.60661800 L
C-C_R	8.43898000	-1.81312700	-16.11758000 L
H-H_	6.56805200	-2.77843800	-16.54574700 L
H-H_	7.03656100	-1.27538000	-12.56241200 L
C-C_R	8.69266100	-0.95157000	-13.89076100 L
C-C_R	2.86555800	-0.20844100	-11.73323600 L
H-H_	3.60962600	1.44821500	-12.89049200 L
H-H_	2.25473800	-2.06747100	-10.86567500 L
H-H_	8.82448800	-1.96499700	-17.11854500 L
C-C_R	9.20820700	-1.14833300	-15.16726900 L
H-H_	9.28282600	-0.44194500	-13.13762400 L
C-C_R	1.95102400	0.57404100	-10.88319600 L
H-H_	10.19760400	-0.79033700	-15.42080500 L
N-N_R	0.80952900	-0.03373600	-10.58857400 L
C-C_R	2.19920700	1.90113300	-10.42708000 L
N-N_R	1.22416600	2.61702800	-9.88432800 L
C-C_R	3.51238200	2.56952600	-10.45920300 L
C-C_R	4.71321600	1.87976400	-10.25141900 L
C-C_R	3.56863600	3.95923600	-10.61943800 L
C-C_R	5.92504000	2.54353000	-10.24239000 L
H-H_	4.69541900	0.81343100	-10.06464200 L
H-H_	2.64137100	4.50356400	-10.74113900 L
C-C_R	4.77815700	4.62899000	-10.63022900 L
H-H_	6.84219700	1.99905300	-10.05654200 L

C-C_R	5.97593800	3.92679400	-10.44835000 L
H-H_	4.80445800	5.70012100	-10.78410200 L
N-N_R	7.20911700	4.59750500	-10.46265900 L
C-C_R	8.32425900	4.00176200	-11.08114300 L
C-C_R	7.32889500	5.87031300	-9.87119700 L
C-C_R	8.17707000	3.30501100	-12.28365500 L
C-C_R	9.59375500	4.10159400	-10.50183600 L
C-C_R	8.09573500	6.86661700	-10.48290100 L
C-C_R	6.67995300	6.15093800	-8.66449900 L
H-H_	7.19630600	3.23289500	-12.73979500 L
C-C_R	9.27692800	2.71767000	-12.89035700 L
H-H_	9.71108600	4.63172600	-9.56587800 L
C-C_R	10.68898000	3.52037500	-11.12239600 L
H-H_	8.59033300	6.65637600	-11.42446900 L
C-C_R	8.21320000	8.11390000	-9.89176900 L
H-H_	6.09159700	5.37815300	-8.18394300 L
C-C_R	6.79312600	7.40682300	-8.09050200 L
H-H_	9.14446100	2.18548900	-13.82547800 L
C-C_R	10.53940800	2.82397200	-12.31695700 L
H-H_	11.66704200	3.60406200	-10.66052800 L
C-C_R	7.56169800	8.39371100	-8.69511000 L
H-H_	8.80749600	8.87895100	-10.37938900 L
H-H_	6.28319800	7.60996000	-7.15560600 L
H-H_	11.39835500	2.37141200	-12.79647200 L
H-H_	7.64973800	9.37370000	-8.24096200 L
C-C_R	-6.19232200	-6.47026400	-0.33471800 L
H-H_	-5.23166200	-6.91588700	-0.10003800 L
C-C_R	-8.51841100	-6.69250400	-0.88477800 L
H-H_	-9.38222600	-7.31207900	-1.09686600 L
C-C_R	-7.29422100	-7.27982300	-0.59184100 L
H-H_	-7.19596500	-8.35895900	-0.56469400 L
C-C_R	-6.31075700	-5.08995300	-0.36160600 L
C-C_R	-7.54199400	-4.49799100	-0.66427900 L
H-H_	-5.45541200	-4.46162900	-0.14866500 L
N-N_R	-7.66434100	-3.09496200	-0.70276800 L
C-C_R	-8.64549300	-5.31247800	-0.92896100 L
C-C_R	-6.63910500	-2.31285700	-1.25759700 L
C-C_R	-8.82170600	-2.47539600	-0.19458300 L
H-H_	-9.59700200	-4.85683500	-1.17555200 L
C-C_R	-6.28240500	-1.09306700	-0.67143400 L
C-C_R	-5.95057100	-2.74177000	-2.39901900 L
C-C_R	-9.41394600	-2.94000400	0.98514300 L
C-C_R	-9.39620400	-1.39238300	-0.86523300 L
H-H_	-6.77877700	-0.77470100	0.23732000 L

C-C_R	-5.29050000	-0.31177100	-1.23005200 L
H-H_	-6.21338000	-3.68515300	-2.85959400 L
C-C_R	-4.94651600	-1.96142300	-2.94213100 L
C-C_R	-10.56020200	-2.33060600	1.47458700 L
H-H_	-8.96636600	-3.77178500	1.51279700 L
H-H_	-8.94537100	-1.03691800	-1.78431500 L
C-C_R	-10.53525100	-0.78439900	-0.36237200 L
C-C_R	-4.61512500	-0.71966200	-2.38715500 L
H-H_	-5.01357000	0.61628100	-0.74633500 L
H-H_	-4.40156400	-2.30113500	-3.81312800 L
H-H_	-11.00498300	-2.69823500	2.39211600 L
C-C_R	-11.12649000	-1.24933400	0.80835900 L
H-H_	-10.96931900	0.05248000	-0.89727000 L
C-C_R	-3.51910500	0.06622000	-2.98483800 L
H-H_	-12.02158800	-0.77737500	1.19531200 L
N-N_R	-2.53176200	-0.65722800	-3.49325800 L
C-C_R	-3.44971400	1.48780000	-2.99322500 L
C-C_R	-1.42329500	-0.04137600	-3.91737500 L
N-N_R	-2.32134200	2.10270700	-3.32014200 L
C-C_R	-4.58222300	2.38734900	-2.70670800 L
C-C_R	-1.28245400	1.37658300	-3.74645900 L
C-C_R	-0.37697500	-0.78908400	-4.50819200 L
C-C_R	-5.89851400	2.08195300	-3.07594200 L
C-C_R	-4.33466400	3.63405400	-2.11920800 L
C-C_R	-0.05453000	2.00761000	-4.05443900 L
C-C_R	0.82850700	-0.14633800	-4.87435300 L
C-C_R	-0.53815500	-2.17875100	-4.73398900 L
C-C_R	-6.93060700	2.96652000	-2.83452700 L
H-H_	-6.10942600	1.15050200	-3.58677100 L
H-H_	-3.31392800	3.89370600	-1.86735200 L
C-C_R	-5.36397600	4.51844700	-1.85657500 L
C-C_R	1.01364600	1.24873500	-4.58916100 L
C-C_R	0.10603800	3.39793500	-3.82973500 L
N-N_R	-0.66936900	-3.31697700	-4.91867400 L
H-H_	-7.93889300	2.72649700	-3.14652900 L
C-C_R	-6.68006100	4.19242400	-2.20446700 L
H-H_	-5.15704700	5.46508900	-1.37464800 L
N-N_R	0.23788900	4.53539600	-3.64495000 L
N-N_R	-7.73472800	5.08116700	-1.93691700 L
C-C_R	-8.97570900	4.58454100	-1.49685000 L
C-C_R	-7.54731500	6.46769200	-2.09745800 L
C-C_R	-9.03034200	3.53240500	-0.57708400 L
C-C_R	-10.16940500	5.14004100	-1.96969400 L
C-C_R	-8.09418100	7.36686700	-1.17807900 L

C-C_R	-6.80838700	6.95875100	-3.17866400 L
H-H_	-8.10619200	3.10708900	-0.20266300 L
C-C_R	-10.25303300	3.04598600	-0.14569400 L
H-H_	-10.13202200	5.94856200	-2.68861500 L
C-C_R	-11.38777800	4.65278600	-1.52200500 L
H-H_	-8.65673000	6.98851400	-0.33285400 L
C-C_R	-7.91134400	8.73168100	-1.34545500 L
H-H_	-6.38911900	6.26553700	-3.89813100 L
C-C_R	-6.61974300	8.32421400	-3.32785000 L
H-H_	-10.27653000	2.23306200	0.57103900 L
C-C_R	-11.43973800	3.60299500	-0.61147800 L
H-H_	-12.30569000	5.09074100	-1.89963900 L
C-C_R	-7.17036300	9.21784600	-2.41702600 L
H-H_	-8.33786000	9.41658500	-0.62326700 L
H-H_	-6.04420700	8.69019000	-4.17040300 L
H-H_	-12.39500400	3.22638500	-0.26652200 L
H-H_	-7.02267200	10.28427700	-2.54010500 L
C-C_R	4.17787400	-6.02651400	-10.45335600 L
H-H_	3.15145000	-6.15129700	-10.77923800 L
C-C_R	6.37612800	-6.91958200	-10.08432600 L
H-H_	7.07139200	-7.75059800	-10.10675700 L
C-C_R	5.06089300	-7.09940400	-10.50125900 L
H-H_	4.72844600	-8.06541700	-10.85957300 L
C-C_R	4.59873900	-4.78613400	-10.00056400 L
C-C_R	5.91857800	-4.60639100	-9.57344300 L
H-H_	3.91250800	-3.94856600	-9.97558700 L
N-N_R	6.34888800	-3.34945200	-9.10408100 L
C-C_R	6.80348700	-5.68740400	-9.61539200 L
C-C_R	5.50277600	-2.57276000	-8.29492000 L
C-C_R	7.63137200	-2.87749800	-9.43578900 L
H-H_	7.82360800	-5.55532400	-9.27335400 L
C-C_R	5.44743800	-1.18499500	-8.45882300 L
C-C_R	4.69596300	-3.17217100	-7.32050500 L
C-C_R	8.14778700	-3.06811500	-10.72098400 L
C-C_R	8.40689700	-2.21215200	-8.48135100 L
H-H_	6.03440900	-0.71659100	-9.24067500 L
C-C_R	4.63398800	-0.41643100	-7.64995800 L
H-H_	4.72493000	-4.24590600	-7.18907500 L
C-C_R	3.87073500	-2.39835000	-6.52659500 L
C-C_R	9.41655500	-2.60827500	-11.03765500 L
H-H_	7.54562600	-3.57358700	-11.46582300 L
H-H_	8.01413600	-2.07052800	-7.48248800 L
C-C_R	9.67023600	-1.74671900	-8.81083700 L
C-C_R	3.84377000	-1.00435400	-6.65321300 L

H-H_	4.58720000	0.65306600	-7.81056800 L
H-H_	3.23231300	-2.86262000	-5.78575100 L
H-H_	9.80206200	-2.76014500	-12.03862000 L
C-C_R	10.18578100	-1.94348100	-10.08734400 L
H-H_	10.26103800	-1.23785800	-8.05760100 L
C-C_R	2.92859900	-0.22110800	-5.80327200 L
H-H_	11.17581600	-1.58624900	-10.34078200 L
N-N_R	1.78710400	-0.82888400	-5.50864900 L
C-C_R	3.17678200	1.10598400	-5.34715500 L
N-N_R	2.20237800	1.82111500	-4.80430500 L
C-C_R	4.49059400	1.77361300	-5.37918000 L
C-C_R	5.69142800	1.08385200	-5.17139600 L
C-C_R	4.54684800	3.16332300	-5.53941500 L
C-C_R	6.90261400	1.74838100	-5.16246600 L
H-H_	5.67299400	0.01828300	-4.98471700 L
H-H_	3.61894500	3.70841600	-5.66121500 L
C-C_R	5.75573200	3.83384100	-5.55030400 L
H-H_	7.81977100	1.20390500	-4.97661700 L
C-C_R	6.95351300	3.13164600	-5.36842500 L
H-H_	5.78203300	4.90497300	-5.70417800 L
N-N_R	8.18671700	3.80225000	-5.38372900 L
C-C_R	9.30183400	3.20661300	-6.00121900 L
C-C_R	8.30647000	5.07516500	-4.79127300 L
C-C_R	9.15530800	2.50899100	-7.20462500 L
C-C_R	10.57196800	3.30568100	-5.42181300 L
C-C_R	9.07331000	6.07146900	-5.40297700 L
C-C_R	7.65752700	5.35578900	-3.58457500 L
H-H_	8.17388100	2.43774700	-7.65987000 L
C-C_R	10.25450200	1.92252100	-7.81043300 L
H-H_	10.68866100	3.83657800	-4.48595300 L
C-C_R	11.66655500	2.72522700	-6.04247200 L
H-H_	9.56790800	5.86122800	-6.34454400 L
C-C_R	9.19077400	7.31875200	-4.81184500 L
H-H_	7.06917100	4.58300500	-3.10401900 L
C-C_R	7.77070100	6.61167400	-3.01057700 L
H-H_	10.12203600	1.39034100	-8.74555400 L
C-C_R	11.51698300	2.02882400	-7.23703300 L
H-H_	12.64525400	2.80815000	-5.58050500 L
C-C_R	8.53927200	7.59856300	-3.61518600 L
H-H_	9.78507100	8.08380200	-5.29946400 L
H-H_	7.26077200	6.81481100	-2.07568200 L
H-H_	12.37592900	1.57626400	-7.71654700 L
H-H_	8.62731300	8.57855200	-3.16103700 L
C-C_R	-5.37492700	-7.39267600	4.85463300 H

H-H_	-4.41497500	-7.81972000	5.12092300 H
C-C_R	-7.68022000	-7.65191300	4.25646700 H
H-H_	-8.52734900	-8.28087200	4.01656900 H
C-C_R	-6.45727900	-8.22136800	4.58807400 H
H-H_	-6.34836400	-9.29843400	4.62964800 H
C-C_R	-5.51661500	-6.01390200	4.80657300 H
C-C_R	-6.75404000	-5.44182300	4.50622400 H
H-H_	-4.66812800	-5.36816900	4.99484300 H
N-N_R	-6.91627900	-4.03742100	4.51527800 H
C-C_R	-7.83372300	-6.27542600	4.21463400 H
C-C_R	-5.95568400	-3.21956600	3.90942900 H
C-C_R	-8.08465200	-3.48387200	5.08638900 H
H-H_	-8.79238800	-5.83740400	3.96757200 H
C-C_R	-5.64784000	-1.95653300	4.42939200 H
C-C_R	-5.27625100	-3.65111100	2.76378700 H
C-C_R	-8.64250000	-4.04535800	6.23769300 H
C-C_R	-8.71292500	-2.38388500	4.49767700 H
H-H_	-6.13703700	-1.61980500	5.33511100 H
C-C_R	-4.72596200	-1.14210200	3.79820500 H
H-H_	-5.49530700	-4.63043600	2.35861000 H
C-C_R	-4.34194400	-2.84068700	2.15186000 H
C-C_R	-9.81091900	-3.52326000	6.77296800 H
H-H_	-8.15827900	-4.89235300	6.70852500 H
H-H_	-8.29402800	-1.94685700	3.59939300 H
C-C_R	-9.86757200	-1.85425400	5.05554300 H
C-C_R	-4.06353100	-1.55835500	2.63880700 H
H-H_	-4.50439200	-0.17122400	4.22149700 H
H-H_	-3.81240700	-3.18647900	1.27308900 H
H-H_	-10.23003800	-3.97050000	7.66655100 H
C-C_R	-10.42952500	-2.42292500	6.19207000 H
H-H_	-10.33962000	-0.99952900	4.58340700 H
C-C_R	-3.01583400	-0.76141800	1.97800100 H
H-H_	-11.33635100	-2.01220700	6.62044700 H
N-N_R	-2.06194400	-1.46327900	1.41868400 H
C-C_R	-2.95838500	0.70072300	1.94934900 H
C-C_R	-0.96868700	-0.84280800	0.92898100 H
N-N_R	-1.86722400	1.29674500	1.53653200 H
C-C_R	-4.05797200	1.61433500	2.30308700 H
C-C_R	-0.83591000	0.56739000	1.06762100 H
C-C_R	0.06870900	-1.59535500	0.35192800 H
C-C_R	-5.41098400	1.29546600	2.15475300 H
C-C_R	-3.74301900	2.92094800	2.69845100 H
C-C_R	0.36242500	1.20352700	0.70319000 H
C-C_R	1.26230300	-0.95686700	-0.02789700 H

C-C_R	-0.06618300	-3.00516700	0.19385600 H
C-C_R	-6.40615700	2.23250900	2.35466000 H
H-H_	-5.69165700	0.29698900	1.86099700 H
H-H_	-2.70186500	3.19289700	2.81778900 H
C-C_R	-4.72804200	3.85538800	2.93491700 H
C-C_R	1.42577300	0.44038200	0.19346700 H
C-C_R	0.51156300	2.60866100	0.88710000 H
N-N_R	-0.16522600	-4.15175400	0.07192400 H
H-H_	-7.44167000	1.96008000	2.19274200 H
C-C_R	-6.08190300	3.53806700	2.74242200 H
H-H_	-4.45308500	4.84969000	3.26268700 H
N-N_R	0.63131200	3.75022200	1.03505900 H
N-N_R	-7.06633200	4.50803900	2.91682900 H
C-C_R	-8.37956100	4.19063600	3.33603200 H
C-C_R	-6.73261500	5.87473600	2.77600900 H
C-C_R	-8.60764500	3.28162400	4.37043400 H
C-C_R	-9.46563400	4.83064500	2.73563200 H
C-C_R	-7.06199600	6.77209900	3.78594000 H
C-C_R	-6.07734900	6.33342200	1.63438700 H
H-H_	-7.76555300	2.79923500	4.85343800 H
C-C_R	-9.90555200	3.00582900	4.77945000 H
H-H_	-9.28741800	5.53469300	1.93159900 H
C-C_R	-10.75762900	4.56076900	3.16114500 H
H-H_	-7.57177500	6.40850900	4.66924900 H
C-C_R	-6.73113600	8.10910800	3.65238900 H
H-H_	-5.84166900	5.62609900	0.85116600 H
C-C_R	-5.72820300	7.67129900	1.51831300 H
H-H_	-10.07023100	2.29634100	5.58286000 H
C-C_R	-10.98628700	3.64317700	4.18033900 H
H-H_	-11.59102600	5.05864300	2.67800000 H
C-C_R	-6.05319400	8.56805300	2.53015200 H
H-H_	-7.02123000	8.79218500	4.43560900 H
H-H_	-5.21673900	8.01187600	0.62508900 H
H-H_	-11.99718000	3.41933300	4.50013000 H
H-H_	-5.79106400	9.61598300	2.44827200 H
C-C_R	5.34198100	-6.90779300	-5.52117000 H
H-H_	4.38342000	-7.06210800	-6.00388400 H
C-C_R	7.52096900	-7.69334500	-4.90448400 H
H-H_	8.27881300	-8.46640300	-4.88834200 H
C-C_R	6.30043500	-7.91259000	-5.53258200 H
H-H_	6.09442300	-8.85689100	-6.02135300 H
C-C_R	5.60521600	-5.69053700	-4.91210400 H
C-C_R	6.84529000	-5.45742200	-4.31932300 H
H-H_	4.85565500	-4.90937000	-4.89953400 H

N-N_R	7.16854600	-4.18857400	-3.79136700 H
C-C_R	7.79442400	-6.47829000	-4.29965700 H
C-C_R	6.20795500	-3.43609900	-3.11079500 H
C-C_R	8.42943700	-3.62844600	-4.10547100 H
H-H_	8.75578600	-6.29737900	-3.83627500 H
C-C_R	6.18478200	-2.04483400	-3.23948000 H
C-C_R	5.24700200	-4.04224000	-2.28951100 H
C-C_R	9.02204300	-3.85631700	-5.35013900 H
C-C_R	9.10951800	-2.85025700	-3.16674500 H
H-H_	6.90636300	-1.56983300	-3.89039900 H
C-C_R	5.27237200	-1.28547000	-2.53814600 H
H-H_	5.22987300	-5.12098400	-2.19650500 H
C-C_R	4.33680800	-3.27361600	-1.58793600 H
C-C_R	10.27705000	-3.33589800	-5.63151900 H
H-H_	8.50131700	-4.44962600	-6.09188500 H
H-H_	8.66095500	-2.67095600	-2.19698300 H
C-C_R	10.35319300	-2.31487900	-3.46619700 H
C-C_R	4.35004900	-1.87557900	-1.67095300 H
H-H_	5.27373800	-0.21184300	-2.66265000 H
H-H_	3.60566000	-3.74992400	-0.94593300 H
H-H_	10.72739900	-3.53124300	-6.59751900 H
C-C_R	10.95102300	-2.56071100	-4.69636300 H
H-H_	10.86484500	-1.71880200	-2.71953800 H
C-C_R	3.38507400	-1.07811600	-0.89888500 H
H-H_	11.93289300	-2.15943300	-4.91925300 H
N-N_R	2.24773400	-1.66318000	-0.62124500 H
C-C_R	3.62157900	0.30081900	-0.46651700 H
N-N_R	2.62874400	1.01862700	-0.00881900 H
C-C_R	4.93885400	0.96567000	-0.44679800 H
C-C_R	6.12878100	0.26879700	-0.21412600 H
C-C_R	5.01183900	2.35734900	-0.57880800 H
C-C_R	7.34303600	0.92265100	-0.14736800 H
H-H_	6.10202200	-0.80304000	-0.07583100 H
H-H_	4.09631800	2.91507400	-0.73392900 H
C-C_R	6.22571200	3.01814000	-0.53206200 H
H-H_	8.25051700	0.36389300	0.04711500 H
C-C_R	7.41548900	2.30814800	-0.32692900 H
H-H_	6.26120500	4.09316500	-0.66218400 H
N-N_R	8.65796200	2.95490000	-0.30505500 H
C-C_R	9.77577200	2.35154900	-0.92548100 H
C-C_R	8.80533300	4.22370500	0.28905200 H
C-C_R	9.64765400	1.76000200	-2.18235500 H
C-C_R	11.02485500	2.36370700	-0.30112800 H
C-C_R	9.65924300	5.16763100	-0.28389600 H

C-C_R	8.12576000	4.54331900	1.46654800 H
H-H_	8.68320800	1.76961700	-2.67490400 H
C-C_R	10.74790700	1.17826400	-2.79573200 H
H-H_	11.12731600	2.82798800	0.67227200 H
C-C_R	12.12384400	1.79685200	-0.92932300 H
H-H_	10.18284200	4.92919200	-1.20134200 H
C-C_R	9.84004300	6.39786800	0.32425200 H
H-H_	7.46948400	3.80922200	1.91798700 H
C-C_R	8.29146300	5.79016400	2.05106700 H
H-H_	10.63180700	0.72318600	-3.77278100 H
C-C_R	11.99282900	1.19609700	-2.17662500 H
H-H_	13.08801500	1.81475400	-0.43362300 H
C-C_R	9.15388700	6.72230800	1.48727200 H
H-H_	10.52210200	7.10978500	-0.12444100 H
H-H_	7.75264900	6.02218900	2.96287800 H
H-H_	12.85316000	0.74971600	-2.66229700 H
H-H_	9.28720000	7.69712300	1.93547100 H
C-C_R	-4.23717300	-8.06056100	9.82513100 L
H-H_	-3.27651300	-8.50618400	10.05981100 L
C-C_R	-6.56326200	-8.28280100	9.27507100 L
H-H_	-7.42707600	-8.90237600	9.06298300 L
C-C_R	-5.33843400	-8.87088400	9.56810600 L
H-H_	-5.24079000	-9.94936200	9.59416100 L
C-C_R	-4.35560700	-6.68024900	9.79824300 L
C-C_R	-5.58684400	-6.08828800	9.49557000 L
H-H_	-3.49962500	-6.05269000	10.01128200 L
N-N_R	-5.70919200	-4.68525800	9.45708100 L
C-C_R	-6.68970700	-6.90353900	9.23098600 L
C-C_R	-4.68329200	-3.90402500	8.90135600 L
C-C_R	-6.86591900	-4.06645700	9.96536500 L
H-H_	-7.64185300	-6.44713200	8.98429700 L
C-C_R	-4.32725500	-2.68336400	9.48841500 L
C-C_R	-3.99542200	-4.33206700	7.76083000 L
C-C_R	-7.45879600	-4.53030100	11.14499200 L
C-C_R	-7.44102900	-2.98278700	9.29362200 L
H-H_	-4.82296500	-2.36586900	10.39627300 L
C-C_R	-3.33471300	-1.90283200	8.92989500 L
H-H_	-4.25759300	-5.27621400	7.30035300 L
C-C_R	-2.99072900	-3.55248400	7.21781700 L
C-C_R	-8.60439000	-3.92177300	11.63354000 L
H-H_	-7.01058000	-5.36284600	11.67274400 L
H-H_	-6.98958400	-2.62797900	8.37563200 L
C-C_R	-8.57946400	-2.37546000	9.79757500 L
C-C_R	-2.65933800	-2.31072300	7.77279200 L

H-H_	-3.05778300	-0.97478000	9.41361300 L
H-H_	-2.44577700	-3.89219600	6.34681900 L
H-H_	-9.04980800	-4.28863900	12.55097100 L
C-C_R	-9.17070300	-2.84039500	10.96830700 L
H-H_	-9.01350700	-1.53868800	9.26168400 L
C-C_R	-1.56331800	-1.52484100	7.17511000 L
H-H_	-10.06577500	-2.36854300	11.35426500 L
N-N_R	-0.57597600	-2.24828900	6.66668900 L
C-C_R	-1.49456400	-0.10249600	7.16662400 L
C-C_R	0.53249100	-1.63243700	6.24257200 L
N-N_R	-0.36555500	0.51164600	6.83980600 L
C-C_R	-2.62704800	0.79694500	7.45214700 L
C-C_R	0.67269500	-0.21371400	6.41339000 L
C-C_R	1.57820000	-2.37948700	5.65066300 L
C-C_R	-3.94336400	0.49165700	7.08390700 L
C-C_R	-2.37887800	2.04299300	8.04073900 L
C-C_R	1.90064500	0.41720600	6.10441600 L
C-C_R	2.78429400	-1.73739900	5.28559400 L
C-C_R	1.41763100	-3.76981200	5.42595900 L
C-C_R	-4.97545800	1.37622300	7.32532200 L
H-H_	-4.15427600	-0.43979500	6.57307800 L
H-H_	-1.35814100	2.30264500	8.29259500 L
C-C_R	-3.40818900	2.92738600	8.30337300 L
C-C_R	2.96879500	-0.34156200	5.57068800 L
C-C_R	2.06182500	1.80687400	6.33021300 L
N-N_R	1.28641800	-4.90803800	5.24127300 L
H-H_	-5.98308000	1.13532900	7.01242400 L
C-C_R	-4.72424900	2.60125600	7.95448700 L
H-H_	-3.20126000	3.87402800	8.78529900 L
N-N_R	2.19303900	2.94510000	6.51489800 L
N-N_R	-5.77894200	3.49010600	8.22303000 L
C-C_R	-7.02055900	2.99424400	8.66299900 L
C-C_R	-5.59214000	4.87728800	8.06139700 L
C-C_R	-7.07455500	1.94134400	9.58286300 L
C-C_R	-8.21361900	3.54898000	8.19025300 L
C-C_R	-6.13900600	5.77646300	8.98077600 L
C-C_R	-4.85321200	5.36834700	6.98019100 L
H-H_	-6.15040500	1.51602800	9.95728500 L
C-C_R	-8.29724600	1.45492500	10.01425300 L
H-H_	-8.17623500	4.35750100	7.47133300 L
C-C_R	-9.43199200	3.06172500	8.63794200 L
H-H_	-6.70158000	5.39821700	9.82699500 L
C-C_R	-5.95553200	7.14051300	8.81349900 L
H-H_	-4.43333300	4.67447600	6.26181600 L

C-C_R	-4.66395600	6.73315300	6.83209700 L
H-H_	-8.32074400	0.64200100	10.73098700 L
C-C_R	-9.48395200	2.01193400	9.54846900 L
H-H_	-10.34990300	3.49968000	8.26030800 L
C-C_R	-5.21457600	7.62678500	7.74292200 L
H-H_	-6.38207300	7.82552400	9.53668100 L
H-H_	-4.08842100	7.09912900	5.98954500 L
H-H_	-10.43921700	1.63532400	9.89342600 L
H-H_	-5.06752300	8.69398000	7.61974400 L
C-C_R	6.13366100	-7.61757500	-0.29340900 L
H-H_	5.10726200	-7.74246500	-0.62028400 L
C-C_R	8.33127800	-8.50987900	0.07552300 L
H-H_	9.02717900	-9.34165900	0.05319000 L
C-C_R	7.01604200	-8.68970100	-0.34141000 L
H-H_	6.68423300	-9.65647800	-0.69962500 L
C-C_R	6.55455100	-6.37730200	0.15838900 L
C-C_R	7.87439100	-6.19755900	0.58551000 L
H-H_	5.86829400	-5.53962700	0.18436000 L
N-N_R	8.30467500	-4.94051300	1.05586600 L
C-C_R	8.75927400	-7.27846500	0.54455500 L
C-C_R	7.45856200	-4.16382100	1.86502800 L
C-C_R	9.58715900	-4.46855900	0.72415800 L
H-H_	9.77878300	-7.14572800	0.88550000 L
C-C_R	7.40261300	-2.77539900	1.70003200 L
C-C_R	6.65113800	-4.76257500	2.83835000 L
C-C_R	10.10293600	-4.65841200	-0.56113600 L
C-C_R	10.36268400	-3.80321300	1.67859700 L
H-H_	7.99019600	-2.30765200	0.91927300 L
C-C_R	6.58977500	-2.00749200	2.50998900 L
H-H_	6.68071700	-5.83696600	2.97087200 L
C-C_R	5.82588400	-3.98864700	3.63325400 L
C-C_R	11.37234100	-4.19933600	-0.87770800 L
H-H_	9.50143900	-5.16475500	-1.30686900 L
H-H_	9.96992300	-3.66158900	2.67746000 L
C-C_R	11.62602200	-3.33778000	1.34911100 L
C-C_R	5.79894500	-2.59475800	3.50564200 L
H-H_	6.54298700	-0.93799500	2.34938000 L
H-H_	5.18809900	-4.45368100	4.37419700 L
H-H_	11.75784900	-4.35120600	-1.87867300 L
C-C_R	12.14093100	-3.53377800	0.07250500 L
H-H_	12.21618800	-2.82815500	2.10224800 L
C-C_R	4.88438500	-1.81216900	4.35667600 L
H-H_	13.13096600	-3.17654600	-0.18093300 L
N-N_R	3.74291600	-2.42005200	4.65030400 L

C-C_R	5.13259400	-0.48518400	4.81179800 L
N-N_R	4.15752700	0.23081800	5.35554400 L
C-C_R	6.44574300	0.18331700	4.78066900 L
C-C_R	7.64657800	-0.50644500	4.98845200 L
C-C_R	6.50199800	1.57302600	4.62043400 L
C-C_R	8.85776400	0.15808500	4.99738300 L
H-H_	7.62880700	-1.57288500	5.17423600 L
H-H_	5.57473200	2.11735500	4.49873200 L
C-C_R	7.71151900	2.24278000	4.60964300 L
H-H_	9.77558400	-0.38726300	5.18233600 L
C-C_R	8.90930000	1.54058500	4.79152200 L
H-H_	7.73784500	3.31380500	4.45477500 L
N-N_R	10.14250400	2.21118900	4.77621900 L
C-C_R	11.25764600	1.61544500	4.15773500 L
C-C_R	10.26225700	3.48410400	5.36867400 L
C-C_R	11.11045700	0.91869400	2.95522300 L
C-C_R	12.52714300	1.71527700	4.73704200 L
C-C_R	11.02909600	4.48040800	4.75697100 L
C-C_R	9.61334000	3.76462100	6.57437800 L
H-H_	10.12966800	0.84668600	2.50007700 L
C-C_R	12.21028900	0.33146000	2.34951500 L
H-H_	12.64444700	2.24551700	5.67399400 L
C-C_R	13.62234100	1.13416600	4.11747600 L
H-H_	11.52369500	4.27016700	3.81540300 L
C-C_R	11.14656100	5.72769100	5.34810300 L
H-H_	9.02495800	2.99194400	7.05592900 L
C-C_R	9.72648800	5.02061300	7.14937000 L
H-H_	12.07782300	-0.20072000	1.41439400 L
C-C_R	13.47277000	0.43776300	2.92291500 L
H-H_	14.60040300	1.21785300	4.57934300 L
C-C_R	10.49508500	6.00739500	6.54376700 L
H-H_	11.74085800	6.49274100	4.86048300 L
H-H_	9.21658500	5.22364300	8.08327100 L
H-H_	14.33174200	-0.01490400	2.44240600 L
H-H_	10.58310000	6.98749100	6.99891000 L
C-C_R	14.59989000	10.70095400	-1.64817700 L
H-H_	15.56055000	10.25533100	-1.41349700 L
C-C_R	12.27380100	10.47871400	-2.19823700 L
H-H_	11.41075700	9.85977500	-2.41037400 L
C-C_R	13.49876200	9.89203100	-1.90534900 L
H-H_	13.59624800	8.81225900	-1.87815300 L
C-C_R	14.48145600	12.08126500	-1.67506500 L
C-C_R	13.25021900	12.67322700	-1.97773800 L
H-H_	15.33757100	12.71022500	-1.46217400 L

N-N_R	13.12787100	14.07625600	-2.01622700 L
C-C_R	12.14671900	11.85874000	-2.24242100 L
C-C_R	14.15387800	14.85899700	-2.57110500 L
C-C_R	11.97050700	14.69582200	-1.50804200 L
H-H_	11.19521100	12.31438300	-2.48901100 L
C-C_R	14.50980800	16.07815100	-1.98489300 L
C-C_R	14.84241100	14.43008400	-3.71252700 L
C-C_R	11.37903700	14.23185000	-0.32836500 L
C-C_R	11.39677900	15.77947100	-2.17874100 L
H-H_	14.01343500	16.39651700	-1.07614000 L
C-C_R	15.50171300	16.85944700	-2.54351100 L
H-H_	14.57883300	13.48606500	-4.17305300 L
C-C_R	15.84569700	15.20979500	-4.25559000 L
C-C_R	10.23278000	14.84124800	0.16107900 L
H-H_	11.82584600	13.39943300	0.19933700 L
H-H_	11.84761200	16.13493600	-3.09782300 L
C-C_R	10.25696200	16.38681900	-1.67583200 L
C-C_R	16.17785800	16.45219200	-3.70066300 L
H-H_	15.77864300	17.78749900	-2.05979400 L
H-H_	16.39141800	14.87071900	-5.12663700 L
H-H_	9.78722900	14.47298300	1.07865600 L
C-C_R	9.66572200	15.92188400	-0.50510000 L
H-H_	9.82289300	17.22369800	-2.21072900 L
C-C_R	17.27310700	17.23743800	-4.29829700 L
H-H_	8.77062500	16.39384300	-0.11814800 L
N-N_R	18.26122000	16.51462600	-4.80676600 L
C-C_R	17.34326900	18.65965400	-4.30673300 L
C-C_R	19.36968700	17.13047800	-5.23088400 L
N-N_R	18.47087100	19.27392500	-4.63360100 L
C-C_R	16.20998900	19.55856600	-4.02016700 L
C-C_R	19.51052800	18.54843700	-5.05996700 L
C-C_R	20.41523800	16.38213400	-5.82165100 L
C-C_R	14.89446900	19.25380700	-4.38945000 L
C-C_R	16.45831800	20.80590800	-3.43271600 L
C-C_R	20.73845200	19.17946400	-5.36794700 L
C-C_R	21.62149000	17.02551600	-6.18786100 L
C-C_R	20.25482700	14.99310300	-6.04749700 L
C-C_R	13.86160500	20.13773800	-4.14798600 L
H-H_	14.68355700	18.32235600	-4.90027900 L
H-H_	17.47828500	21.06492400	-3.18081200 L
C-C_R	15.42823700	21.68966500	-3.17003400 L
C-C_R	21.80585900	18.41995300	-5.90262000 L
C-C_R	20.89825100	20.56915300	-5.14319400 L
N-N_R	20.12361400	13.85487700	-6.23218300 L

H-H_	12.85332000	19.89771500	-4.45998900 L
C-C_R	14.11215100	21.36364200	-3.51792600 L
H-H_	15.63516600	22.63630700	-2.68810800 L
N-N_R	21.03010200	21.70661400	-4.95841000 L
N-N_R	13.05748400	22.25238500	-3.25037700 L
C-C_R	11.81727400	21.75639500	-2.81035800 L
C-C_R	13.24566800	23.63954600	-3.41096600 L
C-C_R	11.76264000	20.70425900	-1.89059300 L
C-C_R	10.62280700	22.31125900	-3.28315400 L
C-C_R	12.69803100	24.53808500	-2.49153800 L
C-C_R	13.98382500	24.12996900	-4.49212300 L
H-H_	12.68602100	20.27830700	-1.51612200 L
C-C_R	10.53917900	20.21720400	-1.45915400 L
H-H_	10.66096100	23.12041600	-4.00212300 L
C-C_R	9.40520400	21.82464000	-2.83551300 L
H-H_	12.13548300	24.15973200	-1.64631300 L
C-C_R	12.88086900	25.90289900	-2.65891400 L
H-H_	14.40309300	23.43675500	-5.21159100 L
C-C_R	14.17324000	25.49606800	-4.64135800 L
H-H_	10.51568200	19.40428000	-0.74242000 L
C-C_R	9.35247400	20.77421300	-1.92493800 L
H-H_	8.48729300	22.26259500	-3.21314700 L
C-C_R	13.62262000	26.38970000	-3.73053400 L
H-H_	12.45512300	26.58843900	-1.93677500 L
H-H_	14.74877500	25.86204400	-5.48391100 L
H-H_	8.39720900	20.39760300	-1.57998100 L
H-H_	13.76954000	27.45549500	-3.85356400 L
C-C_R	24.97008700	11.14470400	-11.76681600 L
H-H_	23.94443200	11.02055700	-12.09274600 L
C-C_R	27.16834100	10.25163600	-11.39778500 L
H-H_	27.86360400	9.42062000	-11.42021700 L
C-C_R	25.85387600	10.07245000	-11.81476700 L
H-H_	25.52065900	9.10580100	-12.17303200 L
C-C_R	25.39095200	12.38508400	-11.31402400 L
C-C_R	26.71079100	12.56482700	-10.88690300 L
H-H_	24.70472000	13.22265200	-11.28904700 L
N-N_R	27.14110100	13.82176600	-10.41754100 L
C-C_R	27.59570000	11.48381400	-10.92885200 L
C-C_R	26.29498800	14.59845800	-9.60837900 L
C-C_R	28.42435500	14.29435600	-10.74929700 L
H-H_	28.61582100	11.61589400	-10.58681400 L
C-C_R	26.24042100	15.98685900	-9.77233100 L
C-C_R	25.48894600	13.99968300	-8.63401300 L
C-C_R	28.94076900	14.10373900	-12.03449300 L

C-C_R	29.19988000	14.95970200	-9.79485900 L
H-H_	26.82662100	16.45462700	-10.55413400 L
C-C_R	25.42620100	16.75478700	-8.96341800 L
H-H_	25.51791200	12.92594800	-8.50258300 L
C-C_R	24.66371700	14.77350400	-7.84010300 L
C-C_R	30.20953700	14.56357900	-12.35116400 L
H-H_	28.33860900	13.59826700	-12.77933100 L
H-H_	28.80711900	15.10132600	-8.79599600 L
C-C_R	30.46321800	15.42513500	-10.12434500 L
C-C_R	24.63675200	16.16750000	-7.96672100 L
H-H_	25.37941300	17.82428400	-9.12402700 L
H-H_	24.02529500	14.30923400	-7.09925900 L
H-H_	30.59427500	14.41107300	-13.35208000 L
C-C_R	30.97799400	15.22773700	-11.40080400 L
H-H_	31.05325100	15.93336000	-9.37106000 L
C-C_R	23.72081100	16.95011000	-7.11673100 L
H-H_	31.96879900	15.58560500	-11.65429000 L
N-N_R	22.58008700	16.34297000	-6.82215800 L
C-C_R	23.96899400	18.27720200	-6.66061500 L
N-N_R	22.99459000	18.99233300	-6.11776400 L
C-C_R	25.28280600	18.94483100	-6.69263900 L
C-C_R	26.48441100	18.25570600	-6.48490400 L
C-C_R	25.33983100	20.33517700	-6.85292300 L
C-C_R	27.69559700	18.92023500	-6.47597400 L
H-H_	26.46520700	17.18950100	-6.29817700 L
H-H_	24.41115800	20.87963400	-6.97467500 L
C-C_R	26.54794400	21.00505900	-6.86376400 L
H-H_	28.61275400	18.37575900	-6.29012600 L
C-C_R	27.74572500	20.30286400	-6.68188500 L
H-H_	26.57424500	22.07619100	-7.01763800 L
N-N_R	28.97893000	20.97346800	-6.69718800 L
C-C_R	30.09481600	20.37846700	-7.31472700 L
C-C_R	29.09868300	22.24638300	-6.10473300 L
C-C_R	29.94752000	19.68020900	-8.51808500 L
C-C_R	31.36418000	20.47689900	-6.73527200 L
C-C_R	29.86552200	23.24268700	-6.71643600 L
C-C_R	28.45051000	22.52764300	-4.89808300 L
H-H_	28.96686300	19.60960100	-8.97337800 L
C-C_R	31.04671500	19.09373900	-9.12389200 L
H-H_	31.48087300	21.00779600	-5.79941300 L
C-C_R	32.45953700	19.89708100	-7.35598000 L
H-H_	30.36012100	23.03244600	-7.65800400 L
C-C_R	29.98298700	24.48997000	-6.12530400 L
H-H_	27.86138400	21.75422300	-4.41747800 L

C-C_R	28.56368400	23.78352800	-4.32408500 L
H-H_	30.91424800	18.56155900	-10.05901300 L
C-C_R	32.30919600	19.20004200	-8.55049200 L
H-H_	33.43746600	19.97936800	-6.89396500 L
C-C_R	29.33225500	24.77041700	-4.92869400 L
H-H_	30.57805400	25.25565600	-6.61297200 L
H-H_	28.05298500	23.98602900	-3.38914200 L
H-H_	33.16891200	18.74811800	-9.03005500 L
H-H_	29.41952600	25.74977000	-4.47449700 L
C-C_R	15.57746500	9.90580600	3.43174700 L
H-H_	16.53812500	9.46018300	3.66642700 L
C-C_R	13.25137600	9.68356600	2.88168700 L
H-H_	12.38833200	9.06462700	2.66955100 L
C-C_R	14.47697400	9.09611800	3.17467400 L
H-H_	14.57384800	8.01700400	3.20077700 L
C-C_R	15.45903000	11.28611700	3.40485900 L
C-C_R	14.22779300	11.87807900	3.10218600 L
H-H_	16.31514500	11.91507700	3.61775100 L
N-N_R	14.10544600	13.28110800	3.06369700 L
C-C_R	13.12429400	11.06359100	2.83750400 L
C-C_R	15.13145300	14.06384900	2.50881900 L
C-C_R	12.94808200	13.90067300	3.57188200 L
H-H_	12.17278500	11.51923400	2.59091300 L
C-C_R	15.48738200	15.28300300	3.09503100 L
C-C_R	15.81998600	13.63493500	1.36739700 L
C-C_R	12.35661200	13.43670200	4.75155900 L
C-C_R	12.37435400	14.98432200	2.90118300 L
H-H_	14.99103600	15.60126200	4.00279100 L
C-C_R	16.47992500	16.06353400	2.53651200 L
H-H_	15.55640800	12.69091700	0.90687100 L
C-C_R	16.82327200	14.41464600	0.82433400 L
C-C_R	11.21101800	14.04522900	5.24010800 L
H-H_	12.80405800	12.60352000	5.27936000 L
H-H_	12.82582400	15.33902400	1.98220000 L
C-C_R	11.23453700	15.59167000	3.40409300 L
C-C_R	17.15543200	15.65704400	1.37926100 L
H-H_	16.75621800	16.99235100	3.02013000 L
H-H_	17.36963000	14.07480700	-0.04661400 L
H-H_	10.76480400	13.67783500	6.15858100 L
C-C_R	10.64393400	15.12597100	4.57492300 L
H-H_	10.80110500	16.42778500	2.86929400 L
C-C_R	18.25132000	16.44152500	0.78172600 L
H-H_	9.74886300	15.59782400	4.96088100 L
N-N_R	19.23943200	15.71871400	0.27325700 L

C-C_R	18.32084400	17.86450600	0.77319100 L
C-C_R	20.34726200	16.33533000	-0.15095900 L
N-N_R	19.44844500	18.47877700	0.44632300 L
C-C_R	17.18756400	18.76341800	1.05975700 L
C-C_R	20.48810300	17.75328900	0.01995700 L
C-C_R	21.39283800	15.58687900	-0.74272100 L
C-C_R	15.87204400	18.45865900	0.69047500 L
C-C_R	17.43653000	20.00999500	1.64730700 L
C-C_R	21.71605300	18.38420900	-0.28901700 L
C-C_R	22.59906400	16.23036700	-1.10793700 L
C-C_R	21.23303900	14.19719000	-0.96747400 L
C-C_R	14.83918000	19.34259000	0.93193800 L
H-H_	15.66113100	17.52720700	0.17964500 L
H-H_	18.45649700	20.26901200	1.89921100 L
C-C_R	16.40644900	20.89375200	1.90998900 L
C-C_R	22.78343300	17.62480400	-0.82269600 L
C-C_R	21.87582600	19.77400400	-0.06327000 L
N-N_R	21.10118800	13.05972900	-1.15225800 L
H-H_	13.83092000	19.10245900	0.61894200 L
C-C_R	15.08975100	20.56838700	1.56100400 L
H-H_	16.61274000	21.84115900	2.39181700 L
N-N_R	22.00767700	20.91146600	0.12151500 L
N-N_R	14.03569600	21.45647300	1.82964600 L
C-C_R	12.79484800	20.96124700	2.26956600 L
C-C_R	14.22324300	22.84439700	1.66895800 L
C-C_R	12.74085200	19.90834600	3.18943000 L
C-C_R	11.60101900	21.51534700	1.79686900 L
C-C_R	13.67560600	23.74293600	2.58838600 L
C-C_R	14.96140000	23.33482000	0.58780100 L
H-H_	13.66359500	19.48315800	3.56380200 L
C-C_R	11.51675400	19.42205600	3.62077000 L
H-H_	11.63917300	22.32450300	1.07790000 L
C-C_R	10.38277900	21.02949100	2.24441100 L
H-H_	13.11305800	23.36458300	3.43361100 L
C-C_R	13.85910600	25.10688000	2.42011500 L
H-H_	15.38066800	22.64160600	-0.13166600 L
C-C_R	15.15145200	24.70015600	0.43866500 L
H-H_	11.49389400	18.60836800	4.33760300 L
C-C_R	10.33004900	19.97906400	3.15498700 L
H-H_	9.46550500	21.46668300	1.86687600 L
C-C_R	14.60019400	25.59455100	1.34939000 L
H-H_	13.43333500	25.79252600	3.14324800 L
H-H_	15.72698700	25.06613200	-0.40388800 L
H-H_	9.37542100	19.60169100	3.50004200 L

H-H_	14.74711500	26.66034700	1.22636000 L
C-C_R	25.94766200	10.34955500	-6.68689100 L
H-H_	24.92203200	10.22530100	-7.01381600 L
C-C_R	28.14591600	9.45648700	-6.31786100 L
H-H_	28.84117900	8.62547200	-6.34029300 L
C-C_R	26.83145000	9.27730200	-6.73484300 L
H-H_	26.49887100	8.30988800	-7.09300900 L
C-C_R	26.36918900	11.58906400	-6.23499500 L
C-C_R	27.68836600	11.76967800	-5.80697800 L
H-H_	25.68229500	12.42750400	-6.20912200 L
N-N_R	28.11867500	13.02661800	-5.33761600 L
C-C_R	28.57391200	10.68790100	-5.84882900 L
C-C_R	27.27256300	13.80331000	-4.52845500 L
C-C_R	29.40193000	13.49920800	-5.66937300 L
H-H_	29.59339600	10.82074600	-5.50689000 L
C-C_R	27.21802100	15.19160300	-4.69340100 L
C-C_R	26.46654600	13.20442700	-3.55508300 L
C-C_R	29.91834400	13.30859100	-6.95456800 L
C-C_R	30.17809200	14.16378900	-4.71483600 L
H-H_	27.80483300	15.65871500	-5.47411100 L
C-C_R	26.40377600	15.95963900	-3.88349300 L
H-H_	26.49612500	12.13003600	-3.42256000 L
C-C_R	25.64129200	13.97835500	-2.76017900 L
C-C_R	31.18774900	13.76766600	-7.27114100 L
H-H_	29.31682100	12.80235500	-7.69930800 L
H-H_	29.78533100	14.30541300	-3.71597300 L
C-C_R	31.44079300	14.62998700	-5.04442100 L
C-C_R	25.61435300	15.37224500	-2.88779100 L
H-H_	26.35762500	17.02837200	-4.04400400 L
H-H_	25.00350700	13.51332200	-2.01923600 L
H-H_	31.57248700	13.61516000	-8.27205700 L
C-C_R	31.95556900	14.43258800	-6.32087900 L
H-H_	32.03082600	15.13821200	-4.29113600 L
C-C_R	24.69838600	16.15496200	-2.03680700 L
H-H_	32.94637400	14.79045600	-6.57436600 L
N-N_R	23.55766100	15.54782100	-1.74223300 L
C-C_R	24.94723200	17.48118300	-1.58158600 L
N-N_R	23.97216500	18.19718500	-1.03784000 L
C-C_R	26.26038100	18.14968300	-1.61271500 L
C-C_R	27.46198600	17.46055700	-1.40498000 L
C-C_R	26.31740600	19.54002900	-1.77299800 L
C-C_R	28.67317200	18.12508700	-1.39605000 L
H-H_	27.44280700	16.39424600	-1.21924600 L
H-H_	25.38873300	20.08448500	-1.89475000 L

C-C_R	27.52615700	20.20914700	-1.78374100 L
H-H_	29.59096600	17.57984600	-1.21010300 L
C-C_R	28.72330000	19.50771500	-1.60196100 L
H-H_	27.55245700	21.28027800	-1.93761500 L
N-N_R	29.95714200	20.17755500	-1.61716500 L
C-C_R	31.07305400	19.58244800	-2.23569800 L
C-C_R	30.07689500	21.45047000	-1.02470900 L
C-C_R	30.92509500	18.88506100	-3.43816100 L
C-C_R	32.34178000	19.68164400	-1.65634200 L
C-C_R	30.84373400	22.44677400	-1.63641300 L
C-C_R	29.42872200	21.73173100	0.18194000 L
H-H_	29.94443800	18.81445200	-3.89345400 L
C-C_R	32.02429000	18.29859100	-4.04396800 L
H-H_	32.45844800	20.21264700	-0.71948900 L
C-C_R	33.43774900	19.10116800	-2.27595700 L
H-H_	31.33833300	22.23653300	-2.57798100 L
C-C_R	30.96056200	23.69482100	-1.04538000 L
H-H_	28.83959600	20.95831000	0.66254500 L
C-C_R	29.54125800	22.98838000	0.75583900 L
H-H_	31.89182300	17.76641100	-4.97908900 L
C-C_R	33.28740800	18.40412900	-3.47046900 L
H-H_	34.41504100	19.18421900	-1.81404000 L
C-C_R	30.30985500	23.97516100	0.15023600 L
H-H_	31.55562800	24.46050800	-1.53304800 L
H-H_	29.03122200	23.19001000	1.68988800 L
H-H_	34.14715000	17.95209800	-3.95102600 L
H-H_	30.39773800	24.95385700	0.60552600 L
C-C_R	16.55504000	9.11065700	8.51167100 L
H-H_	17.51570000	8.66503400	8.74635200 L
C-C_R	14.22895100	8.88841700	7.96161200 L
H-H_	13.36590600	8.26947800	7.74947500 L
C-C_R	15.45454900	8.30097000	8.25459800 L
H-H_	15.55142300	7.22185600	8.28070200 L
C-C_R	16.43660500	10.49096900	8.48478300 L
C-C_R	15.20536800	11.08293000	8.18211100 L
H-H_	17.29335700	11.11916400	8.69777400 L
N-N_R	15.08302100	12.48596000	8.14362100 L
C-C_R	14.10250600	10.26767900	7.91752700 L
C-C_R	16.10969000	13.26782900	7.58784800 L
C-C_R	13.92629400	13.10476100	8.65190500 L
H-H_	13.15036000	10.72408600	7.67083800 L
C-C_R	16.46495700	14.48785400	8.17495500 L
C-C_R	16.79756100	12.83978700	6.44732200 L
C-C_R	13.33418600	12.64155300	9.83148400 L

C-C_R	13.35195400	14.18906700	7.98011400 L
H-H_	15.96924800	14.80534900	9.08281400 L
C-C_R	17.45749900	15.26838600	7.61643600 L
H-H_	16.53462000	11.89500400	5.98689400 L
C-C_R	17.80148400	13.61873400	5.90435700 L
C-C_R	12.18859300	13.25008100	10.32003200 L
H-H_	13.78163300	11.80837200	10.35928500 L
H-H_	13.80339900	14.54387500	7.06212400 L
C-C_R	12.21274900	14.79575800	8.48411600 L
C-C_R	18.13364500	14.86113100	6.45928400 L
H-H_	17.73443000	16.19643800	8.10015300 L
H-H_	18.34720500	13.27965800	5.03331100 L
H-H_	11.74240400	12.88257900	11.23751100 L
C-C_R	11.62150900	14.33082300	9.65484700 L
H-H_	11.77870500	15.63253000	7.94822400 L
C-C_R	19.22889400	15.64637700	5.86165000 L
H-H_	10.72643700	14.80267500	10.04080600 L
N-N_R	20.21700700	14.92356500	5.35318100 L
C-C_R	19.29841800	17.06935800	5.85311600 L
C-C_R	21.32547400	15.53941700	4.92906400 L
N-N_R	20.42665800	17.68286400	5.52634600 L
C-C_R	18.16516400	17.96816300	6.13868800 L
C-C_R	21.46567800	16.95814000	5.09988200 L
C-C_R	22.37041300	14.79173100	4.33720400 L
C-C_R	16.84961800	17.66351100	5.77039900 L
C-C_R	18.41410500	19.21484700	6.72723100 L
C-C_R	22.69362700	17.58906000	4.79090700 L
C-C_R	23.57727600	15.43445500	3.97208600 L
C-C_R	22.21061400	13.40204200	4.11245100 L
C-C_R	15.81675400	18.54744100	6.01186300 L
H-H_	16.63870600	16.73205900	5.25957000 L
H-H_	19.43407200	19.47386300	6.97913500 L
C-C_R	17.38402400	20.09860400	6.98991300 L
C-C_R	23.76100800	16.82965600	4.25722800 L
C-C_R	22.85403800	18.97809200	5.01675300 L
N-N_R	22.07940000	12.26381600	3.92776500 L
H-H_	14.80913200	18.30654700	5.69896500 L
C-C_R	16.06796300	19.77247400	6.64102700 L
H-H_	17.59095200	21.04524600	7.47184000 L
N-N_R	22.98525100	20.11631800	5.20143900 L
N-N_R	15.01327100	20.66132400	6.90957100 L
C-C_R	13.77242300	20.16609800	7.34949000 L
C-C_R	15.20084300	22.04914200	6.74788900 L
C-C_R	13.71842700	19.11319800	8.26935500 L

C-C_R	12.57859400	20.72019800	6.87679400 L
C-C_R	14.65320600	22.94768100	7.66731700 L
C-C_R	15.93900000	22.53956500	5.66673200 L
H-H_	14.64180700	18.68724600	8.64382500 L
C-C_R	12.49496600	18.62614300	8.70079400 L
H-H_	12.61674800	21.52935500	6.15782400 L
C-C_R	11.36099100	20.23357900	7.32443400 L
H-H_	14.09063200	22.56943500	8.51353600 L
C-C_R	14.83668100	24.31173100	7.50003900 L
H-H_	16.35888000	21.84569400	4.94835700 L
C-C_R	16.12902700	23.90500700	5.51858900 L
H-H_	12.47146900	17.81321900	9.41752700 L
C-C_R	11.30826100	19.18315200	8.23501000 L
H-H_	10.44308000	20.67153400	6.94680000 L
C-C_R	15.57840600	24.79863900	6.42941300 L
H-H_	14.41091000	24.99737800	8.22317200 L
H-H_	16.70456200	24.27098300	4.67603700 L
H-H_	10.35299500	18.80654200	8.57996600 L
H-H_	15.72469000	25.86519800	6.30628400 L
C-C_R	26.92587400	9.55364300	-1.60686800 L
H-H_	25.90024500	9.42938900	-1.93379200 L
C-C_R	29.12349000	8.66133900	-1.23793600 L
H-H_	29.81939100	7.82955900	-1.26027000 L
C-C_R	27.80902500	8.48215300	-1.65491800 L
H-H_	27.47644500	7.51474000	-2.01308500 L
C-C_R	27.34676400	10.79391600	-1.15507000 L
C-C_R	28.66660300	10.97365900	-0.72794900 L
H-H_	26.66050700	11.63159100	-1.12909900 L
N-N_R	29.09688700	12.23070500	-0.25759300 L
C-C_R	29.55148700	9.89275300	-0.76890400 L
C-C_R	28.25077500	13.00739700	0.55156800 L
C-C_R	30.38014200	12.70329500	-0.58935000 L
H-H_	30.57099600	10.02549000	-0.42795900 L
C-C_R	28.19559600	14.39645500	0.38652400 L
C-C_R	27.44412100	12.40927900	1.52484200 L
C-C_R	30.89591900	12.51344200	-1.87464400 L
C-C_R	31.15566600	13.36864100	0.36508900 L
H-H_	28.78240800	14.86356600	-0.39418700 L
C-C_R	27.38198800	15.16372600	1.19653000 L
H-H_	27.47369900	11.33488800	1.65736400 L
C-C_R	26.61886700	13.18320700	2.31974600 L
C-C_R	32.16532400	12.97251800	-2.19121600 L
H-H_	30.29442100	12.00709900	-2.62037700 L
H-H_	30.76290600	13.51026500	1.36395100 L

C-C_R	32.41900500	13.83407400	0.03560200 L
C-C_R	26.59192700	14.57709600	2.19213400 L
H-H_	27.33520000	16.23322300	1.03592000 L
H-H_	25.98108200	12.71817300	3.06068800 L
H-H_	32.55006200	12.82001200	-3.19213200 L
C-C_R	32.93314300	13.63744000	-1.24095500 L
H-H_	33.00840000	14.34306300	0.78878800 L
C-C_R	25.67659800	15.35904900	3.04321600 L
H-H_	33.92394800	13.99530800	-1.49444200 L
N-N_R	24.53589900	14.75180200	3.33679600 L
C-C_R	25.92480700	16.68603400	3.49833900 L
N-N_R	24.94974000	17.40203600	4.04208400 L
C-C_R	27.23795600	17.35453500	3.46720900 L
C-C_R	28.43956000	16.66540900	3.67494400 L
C-C_R	27.29498000	18.74488000	3.30692600 L
C-C_R	29.65074700	17.32993900	3.68387500 L
H-H_	28.42101900	15.59833300	3.86077700 L
H-H_	26.36694500	19.28857300	3.18527300 L
C-C_R	28.50373100	19.41399800	3.29618400 L
H-H_	30.56856600	16.78459100	3.86882800 L
C-C_R	29.70151200	18.71180300	3.47806300 L
H-H_	28.53005700	20.48502300	3.14131600 L
N-N_R	30.93471700	19.38240700	3.46275900 L
C-C_R	32.05062900	18.78729900	2.84422600 L
C-C_R	31.05446900	20.65532200	4.05521500 L
C-C_R	31.90266900	18.08991200	1.64176400 L
C-C_R	33.31935500	18.88649500	3.42358300 L
C-C_R	31.82130900	21.65162600	3.44351100 L
C-C_R	30.40632200	20.93647500	5.26087000 L
H-H_	30.92265000	18.01854000	1.18656900 L
C-C_R	33.00250200	17.50267800	1.03605500 L
H-H_	33.43666000	19.41673500	4.36053400 L
C-C_R	34.41532400	18.30602000	2.80396800 L
H-H_	32.31590700	21.44138500	2.50194400 L
C-C_R	31.93877400	22.89890900	4.03464300 L
H-H_	29.81717100	20.16316200	5.74246900 L
C-C_R	30.51947000	22.19246700	5.83586200 L
H-H_	32.87003500	16.97049800	0.10093400 L
C-C_R	34.26498200	17.60898100	1.60945500 L
H-H_	35.39261600	18.38907100	3.26588400 L
C-C_R	31.28806700	23.17924900	5.23025900 L
H-H_	32.53384100	23.66459500	3.54697500 L
H-H_	30.00879700	22.39486100	6.76981200 L
H-H_	35.12472400	17.15695000	1.12889800 L

H-H_	31.37531200	24.15870900	5.68545100 L
C-C_R	-24.70644300	15.72878700	-3.20103200 L
H-H_	-23.74642100	15.28392900	-2.96645100 L
C-C_R	-27.03316900	15.50731100	-3.75119000 L
H-H_	-27.89634700	14.88697200	-3.96318000 L
C-C_R	-25.80834100	14.91922800	-3.45815500 L
H-H_	-25.71008600	13.84009300	-3.43100800 L
C-C_R	-24.82551500	17.10986300	-3.22801900 L
C-C_R	-26.05611500	17.70106000	-3.53059300 L
H-H_	-23.96953300	17.73742200	-3.01498000 L
N-N_R	-26.17909900	19.10485400	-3.56918100 L
C-C_R	-27.15961400	16.88657300	-3.79527500 L
C-C_R	-25.15322600	19.88619500	-4.12391100 L
C-C_R	-27.33582600	19.72365500	-3.06089700 L
H-H_	-28.11176000	17.34298000	-4.04196500 L
C-C_R	-24.79716300	21.10674800	-3.53784700 L
C-C_R	-24.46533000	19.45804500	-5.26543200 L
C-C_R	-27.92806600	19.25904700	-1.88117100 L
C-C_R	-27.91032400	20.80666800	-3.73154700 L
H-H_	-25.29289800	21.42435100	-2.62899400 L
C-C_R	-23.80462100	21.88728000	-4.09636600 L
H-H_	-24.72750000	18.51389800	-5.72590800 L
C-C_R	-23.46063600	20.23762800	-5.80844500 L
C-C_R	-29.07432300	19.86844600	-1.39172800 L
H-H_	-27.48048700	18.42726600	-1.35351800 L
H-H_	-27.45949200	21.16213300	-4.65062900 L
C-C_R	-29.04937100	21.41465200	-3.22868600 L
C-C_R	-23.12924600	21.47938900	-5.25346900 L
H-H_	-23.52769100	22.81533300	-3.61264900 L
H-H_	-22.91568500	19.89791700	-6.67944300 L
H-H_	-29.51910400	19.50081600	-0.47419800 L
C-C_R	-29.64061100	20.94971700	-2.05795500 L
H-H_	-29.48344000	22.25153100	-3.76358400 L
C-C_R	-22.03322600	22.26527100	-5.85115200 L
H-H_	-30.53570900	21.42167700	-1.67100300 L
N-N_R	-21.04588300	21.54182300	-6.35957200 L
C-C_R	-21.96447200	23.68761600	-5.85963800 L
C-C_R	-19.93741600	22.15767500	-6.78369000 L
N-N_R	-20.83546300	24.30175900	-6.18645600 L
C-C_R	-23.09634400	24.58640000	-5.57302200 L
C-C_R	-19.79657500	23.57563400	-6.61277300 L
C-C_R	-18.89109600	21.40996800	-7.37450600 L
C-C_R	-24.41263500	24.28100500	-5.94225600 L
C-C_R	-22.84878500	25.83310500	-4.98552200 L

C-C_R	-18.56865100	24.20666100	-6.92075400 L
C-C_R	-17.68561400	22.05271300	-7.74066700 L
C-C_R	-19.05227600	20.02030000	-7.60030300 L
C-C_R	-25.44472800	25.16557100	-5.70084100 L
H-H_	-24.62354700	23.34955300	-6.45308500 L
H-H_	-21.82804900	26.09275800	-4.73366700 L
C-C_R	-23.87809700	26.71749800	-4.72288900 L
C-C_R	-17.50047500	23.44778600	-7.45547500 L
C-C_R	-18.40808200	25.59698600	-6.69604900 L
N-N_R	-19.18349000	18.88207400	-7.78498900 L
H-H_	-26.45301400	24.92554800	-6.01284400 L
C-C_R	-25.19418200	26.39147600	-5.07078100 L
H-H_	-23.67116800	27.66414100	-4.24096200 L
N-N_R	-18.27623200	26.73444800	-6.51126500 L
N-N_R	-26.24884900	27.28021800	-4.80323200 L
C-C_R	-27.49046700	26.78435700	-4.36326300 L
C-C_R	-26.06143500	28.66674300	-4.96377200 L
C-C_R	-27.54446300	25.73145600	-3.44339900 L
C-C_R	-28.68352600	27.33909200	-4.83600800 L
C-C_R	-26.60894000	29.56668200	-4.04449200 L
C-C_R	-25.32250800	29.15780200	-6.04497800 L
H-H_	-26.62031300	25.30614000	-3.06897700 L
C-C_R	-28.76715400	25.24503800	-3.01200900 L
H-H_	-28.64614300	28.14761300	-5.55492900 L
C-C_R	-29.90189900	26.85183700	-4.38831900 L
H-H_	-27.17148800	29.18832900	-3.19926700 L
C-C_R	-26.42546500	30.93073200	-4.21176900 L
H-H_	-24.90324000	28.46458800	-6.76444600 L
C-C_R	-25.13386400	30.52326500	-6.19416500 L
H-H_	-28.79065100	24.43211300	-2.29527500 L
C-C_R	-29.95385900	25.80204600	-3.47779200 L
H-H_	-30.81981100	27.28979200	-4.76595400 L
C-C_R	-25.68448400	31.41689700	-5.28334000 L
H-H_	-26.85198000	31.61563600	-3.48958100 L
H-H_	-24.55832800	30.88924100	-7.03671700 L
H-H_	-30.90912500	25.42543600	-3.13283600 L
H-H_	-25.53679300	32.48332800	-5.40641900 L
C-C_R	-14.33624600	16.17253700	-13.31967000 L
H-H_	-15.36267100	16.04775400	-13.64555200 L
C-C_R	-12.13799300	15.27946900	-12.95064000 L
H-H_	-11.44272900	14.44845400	-12.97307200 L
C-C_R	-13.45322800	15.09964700	-13.36757300 L
H-H_	-13.78567500	14.13363400	-13.72588700 L
C-C_R	-13.91538200	17.41291700	-12.86687900 L

C-C_R	-12.59554200	17.59266000	-12.43975800 L
H-H_	-14.60161300	18.25048500	-12.84190200 L
N-N_R	-12.16523300	18.84959900	-11.97039600 L
C-C_R	-11.71063300	16.51164700	-12.48170700 L
C-C_R	-13.01134500	19.62629100	-11.16123400 L
C-C_R	-10.88274900	19.32155400	-12.30210300 L
H-H_	-10.69051200	16.64372700	-12.13966900 L
C-C_R	-13.06668300	21.01405600	-11.32513700 L
C-C_R	-13.81815800	19.02688000	-10.18681900 L
C-C_R	-10.36633400	19.13093600	-13.58729900 L
C-C_R	-10.10722400	19.98689900	-11.34766500 L
H-H_	-12.47971200	21.48246100	-12.10698900 L
C-C_R	-13.88013200	21.78262000	-10.51627300 L
H-H_	-13.78919100	17.95314600	-10.05538900 L
C-C_R	-14.64338600	19.80070100	-9.39290900 L
C-C_R	-9.09756600	19.59077600	-13.90397000 L
H-H_	-10.96849500	18.62546400	-14.33213700 L
H-H_	-10.49998500	20.12852300	-10.34880200 L
C-C_R	-8.84388500	20.45233200	-11.67715100 L
C-C_R	-14.67098900	21.19546200	-9.51962600 L
H-H_	-13.92692100	22.85211800	-10.67688200 L
H-H_	-15.28180800	19.33643100	-8.65206500 L
H-H_	-8.71205800	19.43890600	-14.90493400 L
C-C_R	-8.32833900	20.25557000	-12.95365800 L
H-H_	-8.25372000	20.96195800	-10.92401400 L
C-C_R	-15.58552200	21.97794300	-8.66958600 L
H-H_	-7.33830500	20.61280200	-13.20709600 L
N-N_R	-16.72701700	21.37016700	-8.37496400 L
C-C_R	-15.33733900	23.30503600	-8.21347000 L
N-N_R	-16.31238000	24.02093100	-7.67071800 L
C-C_R	-14.02352700	23.97266500	-8.24549400 L
C-C_R	-12.82333000	23.28366700	-8.03780900 L
C-C_R	-13.96727300	25.36237400	-8.40572900 L
C-C_R	-11.61150600	23.94743300	-8.02878000 L
H-H_	-12.84112700	22.21733400	-7.85103200 L
H-H_	-14.89517600	25.90746700	-8.52752900 L
C-C_R	-12.75838900	26.03289300	-8.41661900 L
H-H_	-10.69434900	23.40295600	-7.84293200 L
C-C_R	-11.56060800	25.33069700	-8.23474000 L
H-H_	-12.73208800	27.10402400	-8.57049200 L
N-N_R	-10.32740300	26.00130100	-8.25004300 L
C-C_R	-9.21228700	25.40566500	-8.86753300 L
C-C_R	-10.20765100	27.27421600	-7.65758700 L
C-C_R	-9.35881300	24.70804200	-10.07094000 L

C-C_R	-7.94215300	25.50473200	-8.28812700 L
C-C_R	-9.44081100	28.27052000	-8.26929100 L
C-C_R	-10.85659400	27.55484100	-6.45088900 L
H-H_	-10.34024000	24.63679800	-10.52618400 L
C-C_R	-8.25961800	24.12157200	-10.67674700 L
H-H_	-7.82546000	26.03562900	-7.35226800 L
C-C_R	-6.84756600	24.92427800	-8.90878600 L
H-H_	-8.94621300	28.06027900	-9.21085900 L
C-C_R	-9.32334600	29.51780300	-7.67815900 L
H-H_	-11.44494900	26.78205600	-5.97033300 L
C-C_R	-10.74342000	28.81072600	-5.87689200 L
H-H_	-8.39208500	23.58939200	-11.61186800 L
C-C_R	-6.99713800	24.22787500	-10.10334700 L
H-H_	-5.86950500	25.00796500	-8.44691800 L
C-C_R	-9.97484800	29.79761400	-6.48150000 L
H-H_	-8.72905000	30.28285400	-8.16577800 L
H-H_	-11.25334900	29.01386300	-4.94199600 L
H-H_	-6.13819100	23.77531500	-10.58286200 L
H-H_	-9.88680800	30.77760300	-6.02735200 L
C-C_R	-23.72886800	14.93363900	1.87889200 L
H-H_	-22.76820900	14.48801600	2.11357200 L
C-C_R	-26.05495700	14.71139900	1.32883300 L
H-H_	-26.91877200	14.09182400	1.11674400 L
C-C_R	-24.83012900	14.12331600	1.62186800 L
H-H_	-24.73248500	13.04483700	1.64792200 L
C-C_R	-23.84730300	16.31395000	1.85200400 L
C-C_R	-25.07854000	16.90591200	1.54933100 L
H-H_	-22.99195800	16.94227400	2.06494500 L
N-N_R	-25.20088700	18.30894100	1.51084200 L
C-C_R	-26.18203900	16.09142500	1.28464900 L
C-C_R	-24.17565100	19.09104600	0.95601300 L
C-C_R	-26.35825200	18.92850700	2.01902800 L
H-H_	-27.13354800	16.54706700	1.03805800 L
C-C_R	-23.81895100	20.31083600	1.54217600 L
C-C_R	-23.48711800	18.66213200	-0.18540900 L
C-C_R	-26.95049200	18.46389900	3.19875300 L
C-C_R	-26.93275000	20.01152000	1.34837700 L
H-H_	-24.31529800	20.62909500	2.44993600 L
C-C_R	-22.82640900	21.09136800	0.98365700 L
H-H_	-23.74992600	17.71875000	-0.64598400 L
C-C_R	-22.48306200	19.44248000	-0.72852000 L
C-C_R	-28.09608500	19.07242600	3.68730200 L
H-H_	-26.50291300	17.63211800	3.72640700 L
H-H_	-26.48127900	20.36622100	0.42939400 L

C-C_R	-28.07179700	20.61950400	1.85123800 L
C-C_R	-22.15167100	20.68424100	-0.17354500 L
H-H_	-22.55011600	22.02018400	1.46727500 L
H-H_	-21.93747300	19.10200400	-1.59942000 L
H-H_	-28.54152900	18.70566800	4.60572600 L
C-C_R	-28.66239900	20.15380500	3.02206800 L
H-H_	-28.50522800	21.45561900	1.31643900 L
C-C_R	-21.05501400	21.46935800	-0.77112900 L
H-H_	-29.55747100	20.62565700	3.40802700 L
N-N_R	-20.06830900	20.74667500	-1.27964800 L
C-C_R	-20.98626000	22.89170300	-0.77961500 L
C-C_R	-18.95984200	21.36252700	-1.70376500 L
N-N_R	-19.85788800	23.50661000	-1.10653200 L
C-C_R	-22.11877000	23.79125100	-0.49309800 L
C-C_R	-18.81900000	22.78048600	-1.53284900 L
C-C_R	-17.91349500	20.61471200	-2.29557500 L
C-C_R	-23.43506000	23.48585600	-0.86233200 L
C-C_R	-21.87121100	25.03795700	0.09440200 L
C-C_R	-17.59105100	23.41140600	-1.84182300 L
C-C_R	-16.70803900	21.25756400	-2.66074300 L
C-C_R	-18.07470200	19.22515200	-2.52037900 L
C-C_R	-24.46715400	24.37042300	-0.62091700 L
H-H_	-23.64597200	22.55440400	-1.37316100 L
H-H_	-20.84983700	25.29684500	0.34635600 L
C-C_R	-22.89988400	25.92158500	0.35713400 L
C-C_R	-16.52290000	22.65263800	-2.37555100 L
C-C_R	-17.43050800	24.80183800	-1.61612500 L
N-N_R	-18.20591500	18.08692600	-2.70506400 L
H-H_	-25.47541300	24.13029300	-0.93391300 L
C-C_R	-24.21658200	25.59622000	0.00815000 L
H-H_	-22.69359300	26.86899200	0.83896200 L
N-N_R	-17.29865700	25.93929900	-1.43134000 L
N-N_R	-25.27063700	26.48430600	0.27679100 L
C-C_R	-26.51225500	25.98844400	0.71676000 L
C-C_R	-25.08386100	27.87159500	0.11615200 L
C-C_R	-26.56625100	24.93554300	1.63662400 L
C-C_R	-27.70531400	26.54318000	0.24401500 L
C-C_R	-25.63072800	28.77077000	1.03553100 L
C-C_R	-24.34493300	28.36265400	-0.96505400 L
H-H_	-25.64273800	24.51099200	2.01094700 L
C-C_R	-27.78957900	24.44988900	2.06791600 L
H-H_	-27.66793100	27.35170100	-0.47490600 L
C-C_R	-28.92432400	26.05668900	0.69160500 L
H-H_	-26.19327600	28.39241700	1.88075700 L

C-C_R	-25.44722700	30.13471300	0.86726000 L
H-H_	-23.92566600	27.66943900	-1.68452100 L
C-C_R	-24.15628900	29.72811700	-1.11424000 L
H-H_	-27.81307700	23.63696500	2.78464900 L
C-C_R	-28.97628400	25.00689800	1.60213200 L
H-H_	-29.84159900	26.49388000	0.31407000 L
C-C_R	-24.70690900	30.62174900	-0.20341600 L
H-H_	-25.87376800	30.81972300	1.59044200 L
H-H_	-23.58011600	30.09332900	-1.95669400 L
H-H_	-29.93091300	24.62952400	1.94718700 L
H-H_	-24.55921800	31.68818000	-0.32649500 L
C-C_R	-13.35867200	15.37738900	-8.23974600 L
H-H_	-14.38507100	15.25249900	-8.56662200 L
C-C_R	-11.16041800	14.48432000	-7.87071600 L
H-H_	-10.46515400	13.65330500	-7.89314700 L
C-C_R	-12.47565300	14.30449900	-8.28764900 L
H-H_	-12.80746300	13.33772200	-8.64586400 L
C-C_R	-12.93714400	16.61689700	-7.78784900 L
C-C_R	-11.61796800	16.79751200	-7.35983300 L
H-H_	-13.62403800	17.45533700	-7.76197700 L
N-N_R	-11.18765800	18.05445100	-6.89047100 L
C-C_R	-10.73242100	15.71573500	-7.40168400 L
C-C_R	-12.03377100	18.83114300	-6.08131000 L
C-C_R	-9.90517400	18.52640500	-7.22217900 L
H-H_	-9.71293800	15.84857900	-7.05974400 L
C-C_R	-12.08908200	20.21880100	-6.24620700 L
C-C_R	-12.84055800	18.23162500	-5.10788900 L
C-C_R	-9.38876000	18.33578800	-8.50737400 L
C-C_R	-9.12901200	19.19098700	-6.26764200 L
H-H_	-11.50150000	20.68654800	-7.02696600 L
C-C_R	-12.90255800	20.98747200	-5.43634800 L
H-H_	-12.81097900	17.15723300	-4.97536600 L
C-C_R	-13.66581100	19.00555300	-4.31298500 L
C-C_R	-8.11999200	18.79562700	-8.82404500 L
H-H_	-9.99028300	17.82955200	-9.25211400 L
H-H_	-9.52177300	19.33261000	-5.26877900 L
C-C_R	-7.86631100	19.65718400	-6.59722700 L
C-C_R	-13.69275100	20.39944200	-4.44059700 L
H-H_	-12.94934600	22.05696900	-5.59695800 L
H-H_	-14.30359600	18.54051900	-3.57204200 L
H-H_	-7.73384600	18.64299400	-9.82491100 L
C-C_R	-7.35076500	19.46042200	-7.87373400 L
H-H_	-7.27550800	20.16604500	-5.84399100 L
C-C_R	-14.60794700	21.18279500	-3.58966200 L

H-H_	-6.36073000	19.81765300	-8.12717200 L
N-N_R	-15.74944200	20.57501800	-3.29503900 L
C-C_R	-14.35910200	22.50901600	-3.13444000 L
N-N_R	-15.33416800	23.22501800	-2.59069500 L
C-C_R	-13.04595200	23.17751600	-3.16557000 L
C-C_R	-11.84511800	22.48775500	-2.95778600 L
C-C_R	-12.98969800	24.56722600	-3.32580400 L
C-C_R	-10.63393200	23.15228400	-2.94885600 L
H-H_	-11.86352600	21.42207900	-2.77210100 L
H-H_	-13.91760100	25.11231800	-3.44760500 L
C-C_R	-11.78017700	25.23698000	-3.33659500 L
H-H_	-9.71613700	22.60704400	-2.76290900 L
C-C_R	-10.58303300	24.53554800	-3.15481500 L
H-H_	-11.75451400	26.30887600	-3.49056800 L
N-N_R	-9.34919100	25.20538800	-3.17002000 L
C-C_R	-8.23404900	24.60964500	-3.78850400 L
C-C_R	-9.22943900	26.47830300	-2.57756400 L
C-C_R	-8.38123900	23.91289400	-4.99101500 L
C-C_R	-6.96455300	24.70947700	-3.20919600 L
C-C_R	-8.46259900	27.47460800	-3.18926800 L
C-C_R	-9.87838200	26.75892800	-1.37086600 L
H-H_	-9.36266500	23.84164900	-5.44626000 L
C-C_R	-7.28204400	23.32642400	-5.59682300 L
H-H_	-6.84788600	25.24048100	-2.27234300 L
C-C_R	-5.86935400	24.12836500	-3.82876300 L
H-H_	-7.96800100	27.26436600	-4.13083600 L
C-C_R	-8.34577200	28.72265400	-2.59823500 L
H-H_	-10.46737500	25.98690700	-0.89040900 L
C-C_R	-9.76584500	28.01557700	-0.79696700 L
H-H_	-7.41451000	22.79424400	-6.53194300 L
C-C_R	-6.01892600	23.43196300	-5.02332400 L
H-H_	-4.89129200	24.21205200	-3.36689500 L
C-C_R	-8.99724800	29.00235800	-1.40257000 L
H-H_	-7.75147500	29.48770500	-3.08585400 L
H-H_	-10.27574800	28.21860700	0.13693400 L
H-H_	-5.15995400	22.97929500	-5.50383200 L
H-H_	-8.90923300	29.98245500	-0.94742700 L
C-C_R	-22.75129400	14.13849100	6.95881700 L
H-H_	-21.79063400	13.69286800	7.19349700 L
C-C_R	-25.07738300	13.91625000	6.40875700 L
H-H_	-25.94119700	13.29667600	6.19666900 L
C-C_R	-23.85255500	13.32816700	6.70179200 L
H-H_	-23.75491100	12.24968900	6.72784700 L
C-C_R	-22.86972800	15.51880200	6.93192900 L

C-C_R	-24.10096500	16.11076400	6.62925600 L
H-H_	-22.01374600	16.14636100	7.14496800 L
N-N_R	-24.22331300	17.51379300	6.59076700 L
C-C_R	-25.20446500	15.29627600	6.36457300 L
C-C_R	-23.19805100	18.29579100	6.03494400 L
C-C_R	-25.38004000	18.13259400	7.09905100 L
H-H_	-26.15597300	15.75191900	6.11798300 L
C-C_R	-22.84137600	19.51568700	6.62210100 L
C-C_R	-22.50954300	17.86698400	4.89451600 L
C-C_R	-25.97291700	17.66875000	8.27867800 L
C-C_R	-25.95514900	19.21626400	6.42730800 L
H-H_	-23.33708600	19.83318300	7.52995900 L
C-C_R	-21.84883400	20.29621900	6.06358100 L
H-H_	-22.77171400	16.92283700	4.43403900 L
C-C_R	-21.50485000	18.64656700	4.35150300 L
C-C_R	-27.11851100	18.27727800	8.76722600 L
H-H_	-25.52470000	16.83620500	8.80643000 L
H-H_	-25.50370500	19.57107200	5.50931800 L
C-C_R	-27.09358500	19.82359100	6.93126100 L
C-C_R	-21.17345900	19.88832800	4.90647800 L
H-H_	-21.57190400	21.22427200	6.54729800 L
H-H_	-20.95989800	18.30685600	3.48050500 L
H-H_	-27.56392900	17.91041300	9.68465600 L
C-C_R	-27.68482400	19.35865600	8.10199300 L
H-H_	-27.52762800	20.66036300	6.39537000 L
C-C_R	-20.07743900	20.67421000	4.30879500 L
H-H_	-28.57989600	19.83050900	8.48795100 L
N-N_R	-19.09009700	19.95076200	3.80037500 L
C-C_R	-20.00868500	22.09655500	4.30031000 L
C-C_R	-17.98163000	20.56661400	3.37625800 L
N-N_R	-18.87967600	22.71069800	3.97349100 L
C-C_R	-21.14116900	22.99599600	4.58583300 L
C-C_R	-17.84142600	21.98533800	3.54707600 L
C-C_R	-16.93592100	19.81956400	2.78434900 L
C-C_R	-22.45748500	22.69070800	4.21759300 L
C-C_R	-20.89299800	24.24204400	5.17442500 L
C-C_R	-16.61347600	22.61625800	3.23810100 L
C-C_R	-15.72982700	20.46165200	2.41928000 L
C-C_R	-17.09649000	18.42923900	2.55964400 L
C-C_R	-23.48957900	23.57527500	4.45900800 L
H-H_	-22.66839700	21.75925600	3.70676400 L
H-H_	-19.87226200	24.50169700	5.42628100 L
C-C_R	-21.92231000	25.12643700	5.43705800 L
C-C_R	-15.54532500	21.85748900	2.70437400 L

C-C_R	-16.45229600	24.00592500	3.46389800 L
N-N_R	-17.22834000	17.29177800	2.37486000 L
H-H_	-24.49720100	23.33438000	4.14611000 L
C-C_R	-23.23837000	24.80030800	5.08817300 L
H-H_	-21.71538100	26.07308000	5.91898500 L
N-N_R	-16.32108200	25.14415100	3.64858400 L
N-N_R	-24.29306300	25.68915700	5.35671600 L
C-C_R	-25.53468000	25.19329600	5.79668400 L
C-C_R	-24.10626000	27.07633900	5.19508300 L
C-C_R	-25.58867600	24.14039500	6.71654900 L
C-C_R	-26.72773900	25.74803100	5.32393900 L
C-C_R	-24.65312700	27.97551400	6.11446200 L
C-C_R	-23.36733300	27.56739800	4.11387700 L
H-H_	-24.66452600	23.71507900	7.09097000 L
C-C_R	-26.81136700	23.65397700	7.14793900 L
H-H_	-26.69035600	26.55655200	4.60501800 L
C-C_R	-27.94675000	25.26154000	5.77152900 L
H-H_	-25.21570100	27.59726800	6.96068100 L
C-C_R	-24.46965200	29.33956400	5.94718400 L
H-H_	-22.94745400	26.87352700	3.39550200 L
C-C_R	-23.17807700	28.93220400	3.96578300 L
H-H_	-26.83486500	22.84105200	7.86467200 L
C-C_R	-27.99807200	24.21098500	6.68215500 L
H-H_	-28.86402400	25.69873100	5.39399400 L
C-C_R	-23.72869700	29.82583600	4.87660700 L
H-H_	-24.89619400	30.02457500	6.67036600 L
H-H_	-22.60254100	29.29818000	3.12323000 L
H-H_	-28.95333800	23.83437500	7.02711100 L
H-H_	-23.58164400	30.89303200	4.75343000 L
C-C_R	-12.38046000	14.58147600	-3.15972300 L
H-H_	-13.40749600	14.45735000	-3.48669700 L
C-C_R	-10.18284300	13.68917200	-2.79079100 L
H-H_	-9.48758000	12.85815700	-2.81322300 L
C-C_R	-11.49807800	13.50935000	-3.20772400 L
H-H_	-11.82988800	12.54257300	-3.56594000 L
C-C_R	-11.95956900	15.82174900	-2.70792500 L
C-C_R	-10.63973000	16.00149200	-2.28080400 L
H-H_	-12.64646400	16.66018900	-2.68205300 L
N-N_R	-10.20944600	17.25853800	-1.81044800 L
C-C_R	-9.75484700	14.92058600	-2.32175900 L
C-C_R	-11.05555900	18.03523000	-1.00128700 L
C-C_R	-8.92696200	17.73049300	-2.14215600 L
H-H_	-8.73533700	15.05332300	-1.98081400 L
C-C_R	-11.11150800	19.42365200	-1.16628300 L

C-C_R	-11.86298300	17.43647600	-0.02796500 L
C-C_R	-8.41118500	17.54064000	-3.42745000 L
C-C_R	-8.15143700	18.39583800	-1.18771700 L
H-H_	-10.52392500	19.89140000	-1.94704100 L
C-C_R	-11.92434600	20.19155900	-0.35632500 L
H-H_	-11.83340400	16.36208500	0.10455800 L
C-C_R	-12.68823700	18.21040400	0.76694000 L
C-C_R	-7.14178000	17.99971500	-3.74402200 L
H-H_	-9.01268200	17.03429600	-4.17318300 L
H-H_	-8.54419800	18.53746200	-0.18885500 L
C-C_R	-6.88809800	18.86127100	-1.51720400 L
C-C_R	-12.71517600	19.60429400	0.63932800 L
H-H_	-11.97113400	21.26105700	-0.51693500 L
H-H_	-13.32602200	17.74537000	1.50788200 L
H-H_	-6.75627200	17.84784500	-4.74498700 L
C-C_R	-6.37319000	18.66527300	-2.79381000 L
H-H_	-6.29793300	19.37089700	-0.76406600 L
C-C_R	-13.62973500	20.38688200	1.49036200 L
H-H_	-5.38315500	19.02250500	-3.04724800 L
N-N_R	-14.77120500	19.77899900	1.78399000 L
C-C_R	-13.38152700	21.71386800	1.94548400 L
N-N_R	-14.35659400	22.42987000	2.48923000 L
C-C_R	-12.06837800	22.38236800	1.91435400 L
C-C_R	-10.86754300	21.69260600	2.12213800 L
C-C_R	-12.01212300	23.77207800	1.75412000 L
C-C_R	-9.65635700	22.35713600	2.13106900 L
H-H_	-10.88595200	20.62693000	2.30782300 L
H-H_	-12.94002600	24.31717000	1.63231900 L
C-C_R	-10.80260200	24.44183200	1.74332900 L
H-H_	-8.73853700	21.81178800	2.31602200 L
C-C_R	-9.60482100	23.73963600	1.92520800 L
H-H_	-10.77627600	25.51285600	1.58846100 L
N-N_R	-8.37161700	24.41024000	1.90990400 L
C-C_R	-7.25647500	23.81449700	1.29142000 L
C-C_R	-8.25186400	25.68315500	2.50236000 L
C-C_R	-7.40366400	23.11774600	0.08890900 L
C-C_R	-5.98697800	23.91432800	1.87072800 L
C-C_R	-7.48502500	26.67945900	1.89065700 L
C-C_R	-8.90078100	25.96367300	3.70806400 L
H-H_	-8.38445300	23.04573700	-0.36623700 L
C-C_R	-6.30383200	22.53051100	-0.51680000 L
H-H_	-5.86967400	24.44456800	2.80768000 L
C-C_R	-4.89178000	23.33321700	1.25116200 L
H-H_	-6.99042600	26.46921800	0.94908900 L

C-C_R	-7.36819700	27.92750600	2.48169000 L
H-H_	-9.48916300	25.19099500	4.18961400 L
C-C_R	-8.78763300	27.21966500	4.28305600 L
H-H_	-6.43693600	21.99909600	-1.45201900 L
C-C_R	-5.04135100	22.63681400	0.05660000 L
H-H_	-3.91371800	23.41690400	1.71302900 L
C-C_R	-8.01967300	28.20721000	3.67735500 L
H-H_	-6.77326300	28.69179300	1.99416900 L
H-H_	-9.29753600	27.42269500	5.21695700 L
H-H_	-4.18237900	22.18414700	-0.42390800 L
H-H_	-7.93102100	29.18654200	4.13259600 L

Cartesian coordinates of S₀ state of optimized CNQ-b-TPA in toluene:

C	6.66155400	5.38652700	5.36195200
H	5.71721300	5.31667800	5.88973700
C	8.62706300	6.62216400	4.75284500
H	9.22127000	7.52814000	4.79202000
C	7.41399200	6.55364800	5.42811300
H	7.05831700	7.40171700	6.00130700
C	7.11736900	4.29497300	4.63699300
C	8.32967300	4.36794800	3.94827500
H	6.53624700	3.38110200	4.59973600
N	8.79951100	3.25919900	3.20664300
C	9.08176400	5.54211800	4.00977200
C	7.93718400	2.54110500	2.37582800
C	10.16762800	2.91063500	3.28833000
H	10.02172200	5.60150600	3.47405100
C	8.11502400	1.16446400	2.18238700
C	6.87340800	3.17501200	1.71945700
C	10.80501000	2.85422600	4.52880900
C	10.89895000	2.64004700	2.13048900
H	8.90948100	0.65041200	2.70871900
C	7.27988900	0.45659900	1.34033100
H	6.71800100	4.23806100	1.85380600
C	6.02858200	2.45543300	0.89834100
C	12.15364400	2.53718600	4.60521000
H	10.23740600	3.06297800	5.42791300
H	10.40900800	2.69394700	1.16546700
C	12.24412300	2.31051000	2.21671200
C	6.22492900	1.08832700	0.67176900
H	7.43362500	-0.60932400	1.22848300
H	5.20451100	2.95502900	0.40405900
H	12.63644100	2.49699300	5.57505800

C	12.87982300	2.26006300	3.45231100
H	12.79953300	2.10868500	1.30763700
C	5.26763000	0.35798400	-0.17209500
H	13.93270400	2.01127400	3.51644500
N	4.02718300	0.78745900	-0.12610700
C	5.60850900	-0.79455700	-0.99408100
C	3.06677000	0.08214700	-0.74983200
N	4.65508600	-1.53135000	-1.51853200
C	6.98141300	-1.19824400	-1.32884900
C	3.37725500	-1.13949600	-1.38050700
C	1.72325900	0.53755900	-0.71672100
C	8.01276200	-0.27507200	-1.53734600
C	7.26088300	-2.55366500	-1.53910200
C	2.32421400	-1.91980200	-1.92108700
C	0.70279400	-0.23143300	-1.26895400
C	1.45044000	1.77794500	-0.06323300
C	9.27385300	-0.68980600	-1.91772400
H	7.82240700	0.78557500	-1.43194400
H	6.46878100	-3.27912400	-1.40012600
C	8.52493500	-2.97843900	-1.89597100
C	1.02149100	-1.46973600	-1.85753800
C	2.62391800	-3.16426500	-2.55401400
N	1.21882100	2.78342300	0.46032500
H	10.04998900	0.04363800	-2.09680300
C	9.55874800	-2.05162200	-2.08808400
H	8.72286100	-4.03551200	-2.02107400
H	0.23112400	-2.06888400	-2.29021300
N	2.83784800	-4.17522400	-3.07365500
N	10.84251500	-2.46924200	-2.44293000
C	11.97717600	-1.76793800	-1.97251500
C	11.03306400	-3.62268400	-3.23888000
C	12.06471100	-1.38072100	-0.63426800
C	13.03066100	-1.47510200	-2.83994800
C	12.02089000	-4.55076300	-2.90588000
C	10.24661500	-3.83715400	-4.37233900
H	11.25295100	-1.61695200	0.04357000
C	13.18611800	-0.70363500	-0.17653900
H	12.96253900	-1.77480500	-3.87903500
C	14.15443500	-0.80983600	-2.37108500
H	12.63053800	-4.38721500	-2.02519000
C	12.21876300	-5.67192100	-3.69910800
H	9.48597900	-3.11294200	-4.63921300
C	10.43901100	-4.97060200	-5.14896700
H	13.24114100	-0.41439300	0.86695700

C	14.23773800	-0.41707700	-1.03988900
H	14.96575400	-0.58872200	-3.05532300
C	11.42738300	-5.89149500	-4.82057200
H	12.98957800	-6.38484100	-3.42897300
H	9.81955200	-5.12571800	-6.02499900
H	15.11650400	0.10392600	-0.67808400
H	11.57968100	-6.77191800	-5.43370300
C	-10.43881500	4.97102300	-5.14890200
H	-9.81931500	5.12620700	-6.02489400
C	-12.21863500	5.67222600	-3.69907300
H	-12.98946500	6.38512300	-3.42891900
C	-11.42720500	5.89188800	-4.82048300
H	-11.57947600	6.77235700	-5.43355300
C	-10.24645200	3.83751600	-4.37235200
C	-11.03295300	3.62295700	-3.23894600
H	-9.48580200	3.11332600	-4.63924600
N	-10.84243700	2.46945400	-2.44307600
C	-12.02079700	4.55100700	-2.90592100
C	-9.55868500	2.05180700	-2.08820800
C	-11.97711800	1.76810800	-1.97277100
H	-12.63048500	4.38739100	-2.02527100
C	-9.27379300	0.68997800	-1.91795200
C	-8.52488300	2.97861200	-1.89597400
C	-13.03056200	1.47533900	-2.84027600
C	-12.06471400	1.38078200	-0.63455900
H	-10.04991900	-0.04345300	-2.09712600
C	-8.01271400	0.27521600	-1.53756100
H	-8.72280700	4.03569500	-2.02099500
C	-7.26084400	2.55381200	-1.53909100
C	-14.15435500	0.81003100	-2.37152000
H	-12.96239200	1.77512600	-3.87933600
H	-11.25298500	1.61696000	0.04333600
C	-13.18614000	0.70365600	-0.17693800
C	-6.98137700	1.19837400	-1.32894400
H	-7.82235900	-0.78544000	-1.43224300
H	-6.46875000	3.27926200	-1.40002000
H	-14.96564200	0.58897000	-3.05581300
C	-14.23771900	0.41716400	-1.04035900
H	-13.24121100	0.41432900	0.86653300
C	-5.60848300	0.79466300	-0.99416400
H	-15.11650000	-0.10387100	-0.67863700
N	-4.65504500	1.53150500	-1.51852000
C	-5.26762700	-0.35795200	-0.17227100
C	-3.37721800	1.13963700	-1.38049400

N	-4.02718200	-0.78743200	-0.12629000
C	-6.22495000	-1.08837500	0.67149800
C	-3.06675200	-0.08206400	-0.74992400
C	-2.32416000	1.91999500	-1.92096900
C	-7.27992800	-0.45671000	1.34009100
C	-6.02860800	-2.45550200	0.89794500
C	-1.72324200	-0.53748100	-0.71681900
C	-1.02144000	1.46992200	-1.85742500
C	-2.62384500	3.16452200	-2.55378000
C	-8.11508700	-1.16465400	2.18205500
H	-7.43366000	0.60922400	1.22834000
H	-5.20452300	-2.95505000	0.40364000
C	-6.87345800	-3.17516000	1.71896800
C	-0.70276100	0.23156200	-1.26895200
C	-1.45044200	-1.77792400	-0.06343200
H	-0.23105900	2.06911200	-2.29001800
N	-2.83776400	4.17552200	-3.07334500
H	-8.90955900	-0.65065300	2.70841300
C	-7.93725400	-2.54131500	2.37536900
H	-6.71805600	-4.23822100	1.85321900
N	-1.21884600	-2.78346500	0.46001600
N	-8.79960800	-3.25948800	3.20608800
C	-10.16772600	-2.91092900	3.28776500
C	-8.32979500	-4.36831100	3.94762500
C	-10.89901000	-2.64022300	2.12992700
C	-10.80514800	-2.85464100	4.52822900
C	-9.08189200	-5.54248500	4.00898400
C	-7.11751200	-4.29540700	4.63638800
H	-10.40903700	-2.69402800	1.16491600
C	-12.24418500	-2.31068900	2.21614000
H	-10.23757400	-3.06348500	5.42733100
C	-12.15378300	-2.53760400	4.60461900
H	-10.02183400	-5.60181700	3.47322800
C	-8.62721800	-6.62260400	4.75196600
H	-6.53638700	-3.38153500	4.59923800
C	-6.66172400	-5.38703300	5.36125500
H	-12.79956400	-2.10877000	1.30706800
C	-12.87992400	-2.26036300	3.45172400
H	-12.63661100	-2.49750700	5.57445500
C	-7.41416800	-6.55415800	5.42727800
H	-9.22142900	-7.52858300	4.79103400
H	-5.71739900	-5.31723800	5.88907700
H	-13.93280600	-2.01157600	3.51584800
H	-7.05851400	-7.40228400	6.00040100

Cartesian coordinates of S₀ state of optimized CNQ-b-TPA in crystal:

C-C_R	-19.11417500	-23.62419000	-4.50989700 L
H-H_	-18.16667400	-24.14605500	-4.56643900 L
C-C_R	-21.17296500	-22.91013300	-5.52939800 L
H-H_	-21.82561100	-22.85586800	-6.39228900 L
C-C_R	-19.95438500	-23.57633900	-5.61755000 L
H-H_	-19.65926500	-24.05217000	-6.54486800 L
C-C_R	-19.48410300	-23.01896700	-3.32051900 L
C-C_R	-20.70799500	-22.34388500	-3.23242800 L
H-H_	-18.83856500	-23.06990700	-2.45322100 L
N-N_R	-21.08258200	-21.71884200	-2.03193800 L
C-C_R	-21.55136800	-22.29213400	-4.34971400 L
C-C_R	-20.11879100	-21.05736400	-1.25635800 L
C-C_R	-22.42130900	-21.74523400	-1.60700100 L
H-H_	-22.48943100	-21.75343000	-4.28748000 L
C-C_R	-20.14859500	-21.15480300	0.14020800 L
C-C_R	-19.10998900	-20.30361200	-1.87093300 L
C-C_R	-23.19629700	-22.89847100	-1.78284300 L
C-C_R	-22.98906000	-20.61783900	-1.00312500 L
H-H_	-20.89921700	-21.77585900	0.61699200 L
C-C_R	-19.20691800	-20.49156100	0.90102900 L
H-H_	-19.08170700	-20.22374100	-2.95062100 L
C-C_R	-18.16783400	-19.65342400	-1.10039700 L
C-C_R	-24.51746100	-22.91248600	-1.36478800 L
H-H_	-22.75180200	-23.77748200	-2.23176400 L
H-H_	-22.39341500	-19.72176900	-0.88070300 L
C-C_R	-24.30970500	-20.64686800	-0.58560900 L
C-C_R	-18.21294700	-19.71326300	0.29711000 L
H-H_	-19.22534500	-20.59607700	1.97912900 L
H-H_	-17.37333100	-19.08513500	-1.56779600 L
H-H_	-25.10596800	-23.81325700	-1.49779000 L
C-C_R	-25.08003600	-21.79047400	-0.76551800 L
H-H_	-24.73924300	-19.76547900	-0.12548000 L
C-C_R	-17.15972900	-19.03278700	1.08412900 L
H-H_	-26.11312500	-21.80907500	-0.44123100 L
N-N_R	-15.95791100	-19.07976300	0.52485300 L
C-C_R	-17.35729000	-18.42926300	2.34764100 L
C-C_R	-14.90567800	-18.63762700	1.22307000 L
N-N_R	-16.30207400	-18.07026200	3.08254100 L
C-C_R	-18.67047600	-18.11153300	2.93642300 L
C-C_R	-15.08749900	-18.19337400	2.56362000 L
C-C_R	-13.60581700	-18.65695100	0.64289300 L

C-C_R	-19.75959800	-17.69798300	2.16042300 L
C-C_R	-18.82655000	-18.14622500	4.32615500 L
C-C_R	-13.92967400	-17.84743900	3.33272100 L
C-C_R	-12.48262000	-18.26520300	1.40485300 L
C-C_R	-13.48929800	-19.15020400	-0.68317600 L
C-C_R	-20.96995200	-17.37408300	2.74315900 L
H-H_	-19.64798400	-17.59682200	1.08742200 L
H-H_	-17.97665600	-18.42622300	4.93642700 L
C-C_R	-20.03546600	-17.83424700	4.91771000 L
C-C_R	-12.67967500	-17.90054900	2.75140000 L
C-C_R	-14.08806100	-17.41493200	4.67794900 L
N-N_R	-13.40524200	-19.55375900	-1.76761200 L
H-H_	-21.79699000	-17.03186000	2.13209400 L
C-C_R	-21.12853400	-17.45196900	4.13148700 L
H-H_	-20.14569500	-17.88847700	5.99451500 L
H-H_	-11.82281700	-17.60387400	3.34141900 L
N-N_R	-14.20245200	-17.05896000	5.77478100 L
N-N_R	-22.36171500	-17.13276800	4.72293200 L
C-C_R	-23.55814800	-17.56385000	4.12326600 L
C-C_R	-22.39833000	-16.38597700	5.91870900 L
C-C_R	-23.64247400	-18.84150400	3.55934500 L
C-C_R	-24.67887900	-16.72842500	4.08542500 L
C-C_R	-23.32029300	-16.69882700	6.92080400 L
C-C_R	-21.50590600	-15.32828800	6.11415800 L
H-H_	-22.78113700	-19.49685200	3.59821100 L
C-C_R	-24.82305900	-19.26708800	2.97019700 L
H-H_	-24.61408700	-15.73512200	4.51270900 L
C-C_R	-25.85601800	-17.16644800	3.50100900 L
H-H_	-24.00334700	-17.52847500	6.77861100 L
C-C_R	-23.34971400	-15.95938600	8.09266000 L
H-H_	-20.79526100	-15.07884500	5.33508500 L
C-C_R	-21.53577900	-14.60392400	7.29552700 L
H-H_	-24.87463800	-20.26572800	2.55032300 L
C-C_R	-25.93757900	-18.43714000	2.93879100 L
H-H_	-26.71550800	-16.50550100	3.47678000 L
C-C_R	-22.45796900	-14.91088300	8.28918100 L
H-H_	-24.06616000	-16.21528000	8.86407100 L
H-H_	-20.83627500	-13.78733200	7.43326000 L
H-H_	-26.86165600	-18.77546100	2.48666500 L
H-H_	-22.47921600	-14.34051200	9.21040300 L
C-C_R	-2.42135500	-12.86450900	-4.29663700 L
H-H_	-3.17485600	-12.08521600	-4.31139500 L
C-C_R	-0.51936300	-13.94806900	-5.28141000 L
H-H_	0.21271200	-14.02929000	-6.07546800 L

C-C_R	-1.48279800	-12.94530000	-5.31914700 L
H-H_	-1.50163700	-12.23606000	-6.13789000 L
C-C_R	-2.39721800	-13.76568400	-3.24329900 L
C-C_R	-1.43642400	-14.77918600	-3.20966400 L
H-H_	-3.12301400	-13.69192900	-2.44301000 L
N-N_R	-1.41344600	-15.70373200	-2.14464400 L
C-C_R	-0.49771200	-14.86512500	-4.24074500 L
C-C_R	-2.61469100	-16.22569600	-1.63775300 L
C-C_R	-0.18074600	-16.12130300	-1.60419100 L
H-H_	0.24317000	-15.65532000	-4.22200100 L
C-C_R	-2.76741900	-16.44471900	-0.26395200 L
C-C_R	-3.68007700	-16.53165100	-2.49079200 L
C-C_R	0.85054800	-15.20080800	-1.39756700 L
C-C_R	0.02876800	-17.46265900	-1.27477200 L
H-H_	-1.96337300	-16.17659300	0.40992200 L
C-C_R	-3.93910400	-16.98296000	0.23504900 L
H-H_	-3.57881100	-16.36227200	-3.55571800 L
C-C_R	-4.85649600	-17.04798300	-1.98146900 L
C-C_R	2.06622900	-15.61980600	-0.87826400 L
H-H_	0.68965700	-14.15877400	-1.64643800 L
H-H_	-0.76423600	-18.18205300	-1.44013700 L
C-C_R	1.24410200	-17.87074800	-0.74429500 L
C-C_R	-5.00173500	-17.31033700	-0.61417500 L
H-H_	-4.03832900	-17.12439900	1.30283100 L
H-H_	-5.68522800	-17.26691800	-2.64310000 L
H-H_	2.85496800	-14.89356400	-0.72222300 L
C-C_R	2.27049100	-16.95368800	-0.54502900 L
H-H_	1.39009800	-18.91618200	-0.49668400 L
C-C_R	-6.28500300	-17.83353600	-0.11292500 L
H-H_	3.22137200	-17.27660900	-0.13884600 L
N-N_R	-7.35813000	-17.40943400	-0.76127900 L
C-C_R	-6.42973300	-18.70681900	1.01370700 L
C-C_R	-8.56507500	-17.71148200	-0.28203700 L
N-N_R	-7.61929600	-18.92943700	1.53818900 L
C-C_R	-5.31967700	-19.44690700	1.64647400 L
C-C_R	-8.70441500	-18.41528700	0.93936800 L
C-C_R	-9.74424000	-17.29114900	-0.96830900 L
C-C_R	-4.25379000	-19.97411100	0.90906900 L
C-C_R	-5.36784100	-19.70939200	3.01816800 L
C-C_R	-9.99427900	-18.62804400	1.50068000 L
C-C_R	-10.98322700	-17.52919400	-0.41795600 L
C-C_R	-9.62681000	-16.59154600	-2.20508600 L
C-C_R	-3.25898300	-20.71038100	1.52486100 L
H-H_	-4.21466300	-19.83125800	-0.16321500 L

H-H_	-6.20773900	-19.33538100	3.58963800 L
C-C_R	-4.36373600	-20.42436300	3.64513600 L
C-C_R	-11.14391300	-18.16332900	0.83285300 L
C-C_R	-10.07302000	-19.37828700	2.70487100 L
H-H_	-11.86148100	-17.17465500	-0.94097900 L
N-N_R	-9.55733600	-16.02000300	-3.21042600 L
H-H_	-2.45160100	-21.12908200	0.93694500 L
C-C_R	-3.28856400	-20.93092900	2.90577000 L
H-H_	-4.40497800	-20.59306600	4.71377400 L
N-N_R	-10.13908200	-19.99245500	3.68570800 L
N-N_R	-2.26218500	-21.65329500	3.53384800 L
C-C_R	-0.92551100	-21.48024800	3.11996000 L
C-C_R	-2.55793100	-22.53401700	4.59432000 L
C-C_R	-0.43814800	-20.20789300	2.81424500 L
C-C_R	-0.06917400	-22.57982500	3.01674100 L
C-C_R	-1.72727900	-22.59368900	5.71590000 L
C-C_R	-3.68630700	-23.35544400	4.53620300 L
H-H_	-1.09699500	-19.35122700	2.90032500 L
C-C_R	0.87776600	-20.04146400	2.40885500 L
H-H_	-0.44548800	-23.56904300	3.24728200 L
C-C_R	1.24943100	-22.40348000	2.62341100 L
H-H_	-0.85582800	-21.95250200	5.76819100 L
C-C_R	-2.01831500	-23.46781000	6.75289400 L
H-H_	-4.33047700	-23.31530300	3.66678300 L
C-C_R	-3.97892300	-24.21183400	5.58608600 L
H-H_	1.23885100	-19.04580600	2.17907200 L
C-C_R	1.72995100	-21.13603100	2.31422000 L
H-H_	1.90049000	-23.26552300	2.54788600 L
C-C_R	-3.14705500	-24.27850500	6.69789100 L
H-H_	-1.36532500	-23.50305000	7.61673000 L
H-H_	-4.85882400	-24.84065300	5.52808100 L
H-H_	2.76110400	-21.00254900	2.00676700 L
H-H_	-3.37555400	-24.95369800	7.51364800 L
C-C_R	-20.46839000	15.75278000	-0.45847700 L
H-H_	-19.52088900	15.23091500	-0.51502000 L
C-C_R	-22.52718000	16.46683700	-1.47797900 L
H-H_	-23.17982600	16.52110200	-2.34086900 L
C-C_R	-21.30860000	15.80063100	-1.56613100 L
H-H_	-21.01344600	15.32380500	-2.49355000 L
C-C_R	-20.83831900	16.35800300	0.73090000 L
C-C_R	-22.06217600	17.03209100	0.81889000 L
H-H_	-20.19278000	16.30706300	1.59819900 L
N-N_R	-22.43679700	17.65812800	2.01948100 L
C-C_R	-22.90554900	17.08384200	-0.29839600 L

C-C_R	-21.47300600	18.31960600	2.79506100 L
C-C_R	-23.77549000	17.63074200	2.44431600 L
H-H_	-23.84364700	17.62354000	-0.23606100 L
C-C_R	-21.50281000	18.22216700	4.19162700 L
C-C_R	-20.46420500	19.07335800	2.18048600 L
C-C_R	-24.55051300	16.47849900	2.26857700 L
C-C_R	-24.34327600	18.75913100	3.04829500 L
H-H_	-22.25339800	17.60011700	4.66830900 L
C-C_R	-20.56109900	18.88441500	4.95234700 L
H-H_	-20.43588800	19.15223500	1.10069700 L
C-C_R	-19.52204900	19.72354600	2.95102300 L
C-C_R	-25.87167700	16.46448400	2.68663200 L
H-H_	-24.10598300	15.59849400	1.81955300 L
H-H_	-23.74759600	19.65420700	3.17061400 L
C-C_R	-25.66392000	18.73010200	3.46581000 L
C-C_R	-19.56712800	19.66271300	4.34842700 L
H-H_	-20.57956000	18.78089300	6.03054900 L
H-H_	-18.72754600	20.29183500	2.48362300 L
H-H_	-26.46018300	15.56371300	2.55363000 L
C-C_R	-26.43421700	17.58550100	3.28580000 L
H-H_	-26.09345900	19.61149100	3.92594000 L
C-C_R	-18.51394400	20.34418300	5.13554900 L
H-H_	-27.46734000	17.56789500	3.61018800 L
N-N_R	-17.31212600	20.29720700	4.57627200 L
C-C_R	-18.71150500	20.94770700	6.39906000 L
C-C_R	-16.25989300	20.73934300	5.27449000 L
N-N_R	-17.65628900	21.30670800	7.13396000 L
C-C_R	-20.02469100	21.26543600	6.98784300 L
C-C_R	-16.44171400	21.18359600	6.61504000 L
C-C_R	-14.96003200	20.72001900	4.69431200 L
C-C_R	-21.11377900	21.67799200	6.21174000 L
C-C_R	-20.18073100	21.22975100	8.37747200 L
C-C_R	-15.28385500	21.52853600	7.38403900 L
C-C_R	-13.83680100	21.11077300	5.45617000 L
C-C_R	-14.84351300	20.22676600	3.36824300 L
C-C_R	-22.32416700	22.00288700	6.79457800 L
H-H_	-21.00219900	21.78014800	5.13884100 L
H-H_	-19.33083700	20.94975300	8.98774400 L
C-C_R	-21.38968100	21.54272300	8.96913000 L
C-C_R	-14.03385600	21.47542700	6.80271800 L
C-C_R	-15.44227600	21.96203700	8.72936900 L
N-N_R	-14.75945700	19.82321100	2.28380800 L
H-H_	-23.15117100	22.34411600	6.18341100 L
C-C_R	-22.48274900	21.92500100	8.18290600 L

H-H_	-21.49987600	21.48749900	10.04583300 L
H-H_	-13.17703200	21.77309600	7.39283900 L
N-N_R	-15.55663300	22.31701600	9.82609800 L
N-N_R	-23.71593100	22.24420200	8.77435100 L
C-C_R	-24.91232900	21.81212600	8.17458300 L
C-C_R	-23.75251100	22.98999900	9.97002600 L
C-C_R	-24.99668900	20.53546600	7.61076500 L
C-C_R	-26.03309400	22.64854500	8.13684400 L
C-C_R	-24.67447400	22.67714900	10.97212100 L
C-C_R	-22.86012100	24.04868200	10.16557800 L
H-H_	-24.13535200	19.88011800	7.64963100 L
C-C_R	-26.17727400	20.10988200	7.02161700 L
H-H_	-25.96830200	23.64184800	8.56412900 L
C-C_R	-27.21019900	22.20952800	7.55232600 L
H-H_	-25.35756200	21.84849500	10.83003000 L
C-C_R	-24.70393000	23.41758400	12.14408000 L
H-H_	-22.14947600	24.29812500	9.38650400 L
C-C_R	-22.88996000	24.77205200	11.34684500 L
H-H_	-26.22885300	19.11124200	6.60174300 L
C-C_R	-27.29179400	20.93983000	6.99021100 L
H-H_	-28.06972300	22.87146900	7.52820000 L
C-C_R	-23.81215000	24.46509300	12.34049800 L
H-H_	-25.42037600	23.16169000	12.91549000 L
H-H_	-22.19049100	25.58963700	11.48468000 L
H-H_	-28.21587100	20.60150900	6.53808400 L
H-H_	-23.83343100	25.03645800	13.26182200 L
C-C_R	-3.77553600	26.51146700	-0.24532000 L
H-H_	-4.52907100	27.29175400	-0.25997500 L
C-C_R	-1.87357900	25.42890100	-1.22999100 L
H-H_	-1.14150300	25.34768000	-2.02404900 L
C-C_R	-2.83697900	26.43067600	-1.26782900 L
H-H_	-2.85585200	27.14091000	-2.08647000 L
C-C_R	-3.75143300	25.61128600	0.80812100 L
C-C_R	-2.79060500	24.59679000	0.84165400 L
H-H_	-4.47719500	25.68404700	1.60830700 L
N-N_R	-2.76766100	23.67323800	1.90677600 L
C-C_R	-1.85189300	24.51085100	-0.18942700 L
C-C_R	-3.96890600	23.15127400	2.41366700 L
C-C_R	-1.53492700	23.25467300	2.44712600 L
H-H_	-1.11104500	23.72165000	-0.17058100 L
C-C_R	-4.12163400	22.93225100	3.78746700 L
C-C_R	-5.03429200	22.84531900	1.56062800 L
C-C_R	-0.50366800	24.17616200	2.65385300 L
C-C_R	-1.32544700	21.91431100	2.77664700 L

H-H_	-3.31755400	23.19938200	4.46124000 L
C-C_R	-5.29331900	22.39400900	4.28646800 L
H-H_	-4.93299200	23.01370400	0.49559900 L
C-C_R	-6.21067700	22.32799300	2.06984900 L
C-C_R	0.71204800	23.75617000	3.17305300 L
H-H_	-0.66455800	25.21819600	2.40498100 L
H-H_	-2.11845100	21.19491700	2.61128300 L
C-C_R	-0.11011300	21.50622200	3.30712500 L
C-C_R	-6.35595100	22.06663300	3.43724500 L
H-H_	-5.39251000	22.25157700	5.35414800 L
H-H_	-7.03940900	22.10905800	1.40821700 L
H-H_	1.50075300	24.48340600	3.32919700 L
C-C_R	0.91631000	22.42228700	3.50628800 L
H-H_	0.03588300	20.46078800	3.55473600 L
C-C_R	-7.63921800	21.54343400	3.93849400 L
H-H_	1.86715700	22.10036100	3.91257400 L
N-N_R	-8.71234500	21.96753600	3.29014100 L
C-C_R	-7.78394800	20.67015100	5.06512600 L
C-C_R	-9.91925600	21.66449400	3.76928100 L
N-N_R	-8.97351200	20.44753300	5.58960900 L
C-C_R	-6.67385800	19.92906900	5.69779100 L
C-C_R	-10.05863000	20.96168300	4.99078700 L
C-C_R	-11.09842100	22.08482600	3.08300900 L
C-C_R	-5.60797100	19.40186500	4.96038600 L
C-C_R	-6.72205700	19.66757800	7.06958800 L
C-C_R	-11.34849400	20.74892600	5.55210000 L
C-C_R	-12.33744200	21.84777600	3.63346400 L
C-C_R	-10.98102500	22.78542400	1.84633400 L
C-C_R	-4.61319800	18.66658900	5.57628100 L
H-H_	-5.56887800	19.54571200	3.88820500 L
H-H_	-7.56195400	20.04158800	7.64105700 L
C-C_R	-5.71795100	18.95260700	7.69655500 L
C-C_R	-12.49809400	21.21264700	4.88417000 L
C-C_R	-11.42723500	19.99868300	6.75629100 L
H-H_	-13.21569600	22.20231500	3.11044100 L
N-N_R	-10.91151700	23.35597300	0.84089200 L
H-H_	-3.80578200	18.24689400	4.98826200 L
C-C_R	-4.64277900	18.44604100	6.95718900 L
H-H_	-5.75919400	18.78390400	8.76519300 L
N-N_R	-11.49326300	19.38352000	7.73702500 L
N-N_R	-3.61640100	17.72367500	7.58526800 L
C-C_R	-2.27972700	17.89672200	7.17137900 L
C-C_R	-3.91214600	16.84295300	8.64574000 L
C-C_R	-1.79236300	19.16907700	6.86566400 L

C-C_R	-1.42338900	16.79714500	7.06816100 L
C-C_R	-3.08146000	16.78228700	9.76721700 L
C-C_R	-5.04052300	16.02152600	8.58762300 L
H-H_	-2.45117600	20.02474900	6.95164200 L
C-C_R	-0.47644900	19.33550600	6.46027500 L
H-H_	-1.79966900	15.80693300	7.29859900 L
C-C_R	-0.10478400	16.97349000	6.67483100 L
H-H_	-2.21004300	17.42446800	9.81961000 L
C-C_R	-3.37253000	15.90916000	10.80431300 L
H-H_	-5.68469200	16.06166700	7.71820200 L
C-C_R	-5.33310400	15.16414200	9.63740300 L
H-H_	-0.11536500	20.33116400	6.23049100 L
C-C_R	0.37577000	18.23994400	6.36553700 L
H-H_	0.54630900	16.11045300	6.59920300 L
C-C_R	-4.50123600	15.09747100	10.74920900 L
H-H_	-2.71954000	15.87392000	11.66815000 L
H-H_	-6.21300500	14.53532300	9.57939900 L
H-H_	1.40692300	18.37342700	6.05808400 L
H-H_	-4.72976900	14.42327200	11.56506800 L
C-C_R	10.77774800	-22.58772000	-4.59208200 L
H-H_	11.72524900	-23.10958500	-4.64862500 L
C-C_R	8.71895800	-21.87366300	-5.61158400 L
H-H_	8.06631200	-21.81939700	-6.47447500 L
C-C_R	9.93753800	-22.53986800	-5.69973600 L
H-H_	10.23265800	-23.01570000	-6.62705300 L
C-C_R	10.40782000	-21.98249600	-3.40270500 L
C-C_R	9.18392900	-21.30741500	-3.31461300 L
H-H_	11.05335800	-22.03343600	-2.53540600 L
N-N_R	8.80934100	-20.68237200	-2.11412400 L
C-C_R	8.34055500	-21.25566300	-4.43189900 L
C-C_R	9.77413200	-20.02085900	-1.33854700 L
C-C_R	7.47061400	-20.70876300	-1.68918700 L
H-H_	7.40349100	-20.71692500	-4.36966900 L
C-C_R	9.74332900	-20.11833300	0.05802200 L
C-C_R	10.78193400	-19.26714200	-1.95311900 L
C-C_R	6.69562600	-21.86200100	-1.86502800 L
C-C_R	6.90286300	-19.58136800	-1.08531000 L
H-H_	8.99370600	-20.73935400	0.53480300 L
C-C_R	10.68500500	-19.45509100	0.81884400 L
H-H_	10.81021600	-19.18727000	-3.03280600 L
C-C_R	11.72508900	-18.61691900	-1.18258500 L
C-C_R	5.37446200	-21.87601600	-1.44697300 L
H-H_	7.14012100	-22.74101100	-2.31395000 L
H-H_	7.49850800	-18.68529900	-0.96288900 L

C-C_R	5.58321700	-19.61036300	-0.66779700 L
C-C_R	11.67897600	-18.67679300	0.21492500 L
H-H_	10.66657800	-19.55960700	1.89694400 L
H-H_	12.51859300	-18.04866500	-1.64998200 L
H-H_	4.78595500	-22.77678700	-1.57997500 L
C-C_R	4.81188700	-20.75400400	-0.84770300 L
H-H_	5.15268000	-18.72900900	-0.20766500 L
C-C_R	12.73219500	-17.99631600	1.00194400 L
H-H_	3.77879900	-20.77260500	-0.52341700 L
N-N_R	13.93401200	-18.04329200	0.44266700 L
C-C_R	12.53463300	-17.39279300	2.26545500 L
C-C_R	14.98624500	-17.60115600	1.14088400 L
N-N_R	13.58985000	-17.03379200	3.00035500 L
C-C_R	11.22144700	-17.07506300	2.85423800 L
C-C_R	14.80442400	-17.15690400	2.48143500 L
C-C_R	16.28610600	-17.62048100	0.56070700 L
C-C_R	10.13232600	-16.66151300	2.07823700 L
C-C_R	11.06537300	-17.10975400	4.24396900 L
C-C_R	15.96224900	-16.81096900	3.25053600 L
C-C_R	17.40930300	-17.22873300	1.32266700 L
C-C_R	16.40262600	-18.11373300	-0.76536200 L
C-C_R	8.92297100	-16.33757800	2.66097000 L
H-H_	10.24393900	-16.56035200	1.00523600 L
H-H_	11.91526700	-17.38975300	4.85424100 L
C-C_R	9.85645700	-16.79777700	4.83552400 L
C-C_R	17.21224800	-16.86407900	2.66921500 L
C-C_R	15.80386200	-16.37846200	4.59576400 L
N-N_R	16.48668100	-18.51728900	-1.84979700 L
H-H_	8.09593300	-15.99535400	2.04990600 L
C-C_R	8.76338900	-16.41549800	4.04930100 L
H-H_	9.74622900	-16.85200600	5.91233000 L
H-H_	18.06910600	-16.56740400	3.25923400 L
N-N_R	15.68947200	-16.02248900	5.69259500 L
N-N_R	7.53020800	-16.09629700	4.64074600 L
C-C_R	6.33377500	-16.52738000	4.04108000 L
C-C_R	7.49359300	-15.34950700	5.83652400 L
C-C_R	6.24944900	-17.80503300	3.47716000 L
C-C_R	5.21304400	-15.69195400	4.00323900 L
C-C_R	6.57163000	-15.66235600	6.83861800 L
C-C_R	8.38601700	-14.29181700	6.03197300 L
H-H_	7.11078600	-18.46038200	3.51602600 L
C-C_R	5.06886500	-18.23061700	2.88801100 L
H-H_	5.27783600	-14.69865100	4.43052400 L
C-C_R	4.03690500	-16.12994300	3.41882100 L

H-H_	5.88857700	-16.49200500	6.69642500 L
C-C_R	6.54220900	-14.92291600	8.01047500 L
H-H_	9.09666200	-14.04237500	5.25289900 L
C-C_R	8.35614400	-13.56745300	7.21334200 L
H-H_	5.01728600	-19.22925800	2.46813800 L
C-C_R	3.95434500	-17.40067000	2.85660600 L
H-H_	3.17741500	-15.46899600	3.39459200 L
C-C_R	7.43395400	-13.87441200	8.20699500 L
H-H_	5.82576300	-15.17881000	8.78188500 L
H-H_	9.05564800	-12.75086200	7.35107500 L
H-H_	3.03026800	-17.73899100	2.40447900 L
H-H_	7.41270700	-13.30404200	9.12821700 L
C-C_R	27.47056800	-11.82803800	-4.37882300 L
H-H_	26.71706700	-11.04874600	-4.39358000 L
C-C_R	29.37256000	-12.91159800	-5.36359600 L
H-H_	30.10463500	-12.99282000	-6.15765400 L
C-C_R	28.40912500	-11.90883000	-5.40133200 L
H-H_	28.39028700	-11.19958900	-6.22007500 L
C-C_R	27.49470500	-12.72921300	-3.32548400 L
C-C_R	28.45549900	-13.74271500	-3.29184900 L
H-H_	26.76891000	-12.65545800	-2.52519600 L
N-N_R	28.47847800	-14.66726100	-2.22682900 L
C-C_R	29.39421100	-13.82865500	-4.32293000 L
C-C_R	27.27723200	-15.18922600	-1.71993800 L
C-C_R	29.71117800	-15.08483200	-1.68637600 L
H-H_	30.13509300	-14.61885000	-4.30418600 L
C-C_R	27.12450400	-15.40824800	-0.34613800 L
C-C_R	26.21184600	-15.49518100	-2.57297700 L
C-C_R	30.74247100	-14.16433800	-1.47975300 L
C-C_R	29.92069100	-16.42618800	-1.35695800 L
H-H_	27.92855100	-15.14012300	0.32773700 L
C-C_R	25.95381800	-15.94645500	0.15286100 L
H-H_	26.31311200	-15.32580100	-3.63790300 L
C-C_R	25.03542700	-16.01151200	-2.06365400 L
C-C_R	31.95815200	-14.58333500	-0.96045000 L
H-H_	30.58158000	-13.12230400	-1.72862400 L
H-H_	29.12768700	-17.14558300	-1.52232200 L
C-C_R	31.13602500	-16.83427700	-0.82648000 L
C-C_R	24.89018800	-16.27386600	-0.69636000 L
H-H_	25.85359400	-16.08792900	1.22064500 L
H-H_	24.20669500	-16.23044700	-2.72528600 L
H-H_	32.74689100	-13.85709300	-0.80440800 L
C-C_R	32.16241400	-15.91721800	-0.62721500 L
H-H_	31.28202100	-17.87971100	-0.57886900 L

C-C_R	23.60692000	-16.79706500	-0.19511100 L
H-H_	33.11429400	-16.24010300	-0.22103400 L
N-N_R	22.53379400	-16.37296300	-0.84346400 L
C-C_R	23.46219000	-17.67034800	0.93152100 L
C-C_R	21.32684800	-16.67501200	-0.36422200 L
N-N_R	22.27262700	-17.89296700	1.45600400 L
C-C_R	24.57224600	-18.41043600	1.56428900 L
C-C_R	21.18750900	-17.37881600	0.85718200 L
C-C_R	20.14768400	-16.25467900	-1.05049400 L
C-C_R	25.63913300	-18.93760600	0.82688100 L
C-C_R	24.52408200	-18.67292200	2.93598300 L
C-C_R	19.89764400	-17.59157400	1.41849500 L
C-C_R	18.90869600	-16.49272300	-0.50014100 L
C-C_R	20.26511300	-15.55507600	-2.28727100 L
C-C_R	26.63294000	-19.67391000	1.44267500 L
H-H_	25.67726000	-18.79478800	-0.24540000 L
H-H_	23.68418400	-18.29891100	3.50745200 L
C-C_R	25.52818700	-19.38789200	3.56295000 L
C-C_R	18.74901000	-17.12682400	0.75066400 L
C-C_R	19.81890400	-18.34181600	2.62268600 L
H-H_	18.03044200	-16.13818400	-1.02316400 L
N-N_R	20.33458700	-14.98353300	-3.29261100 L
H-H_	27.44032200	-20.09261100	0.85475900 L
C-C_R	26.60336000	-19.89445800	2.82358400 L
H-H_	25.48794400	-19.55656100	4.63158500 L
N-N_R	19.75284100	-18.95598500	3.60352300 L
N-N_R	27.62973800	-20.61682400	3.45166200 L
C-C_R	28.96641200	-20.44377800	3.03777400 L
C-C_R	27.33399300	-21.49754700	4.51213500 L
C-C_R	29.45377500	-19.17142200	2.73205900 L
C-C_R	29.82274900	-21.54335500	2.93455600 L
C-C_R	28.16564400	-21.55718400	5.63371200 L
C-C_R	26.20561600	-22.31897300	4.45401800 L
H-H_	28.79492800	-18.31475600	2.81813900 L
C-C_R	30.76969000	-19.00499300	2.32667000 L
H-H_	29.44643500	-22.53257300	3.16509700 L
C-C_R	31.14135500	-21.36701000	2.54122600 L
H-H_	29.03609600	-20.91603200	5.68600500 L
C-C_R	27.87360900	-22.43134000	6.67070800 L
H-H_	25.56144700	-22.27883200	3.58459700 L
C-C_R	25.91300000	-23.17536300	5.50390000 L
H-H_	31.13077400	-18.00933600	2.09688600 L
C-C_R	31.62187500	-20.09956100	2.23203400 L
H-H_	31.79241300	-22.22905300	2.46570100 L

C-C_R	26.74586800	-23.24200000	6.61570300 L
H-H_	28.52659800	-22.46657900	7.53454500 L
H-H_	25.03310000	-23.80418200	5.44589600 L
H-H_	32.65302700	-19.96607800	1.92458100 L
H-H_	26.51636900	-23.91722700	7.43146300 L
C-C_R	9.42353300	16.78925000	-0.54066300 L
H-H_	10.37103400	16.26738500	-0.59720500 L
C-C_R	7.36474300	17.50330700	-1.56016400 L
H-H_	6.71209700	17.55757300	-2.42305500 L
C-C_R	8.58332300	16.83710200	-1.64831600 L
H-H_	8.87847700	16.36027600	-2.57573600 L
C-C_R	9.05360500	17.39447400	0.64871500 L
C-C_R	7.82974800	18.06856100	0.73670400 L
H-H_	9.69914300	17.34353400	1.51601300 L
N-N_R	7.45512600	18.69459800	1.93729600 L
C-C_R	6.98637400	18.12031200	-0.38058200 L
C-C_R	8.41991700	19.35611100	2.71287300 L
C-C_R	6.11643300	18.66721200	2.36213100 L
H-H_	6.04927600	18.66004500	-0.31824900 L
C-C_R	8.38911300	19.25863700	4.10944200 L
C-C_R	9.42771900	20.10982800	2.09830100 L
C-C_R	5.34141100	17.51496900	2.18639100 L
C-C_R	5.54864800	19.79560200	2.96610900 L
H-H_	7.63952500	18.63662200	4.58612100 L
C-C_R	9.33082400	19.92088500	4.87016100 L
H-H_	9.45603500	20.18870600	1.01851100 L
C-C_R	10.37087400	20.76005100	2.86883400 L
C-C_R	4.02024700	17.50095400	2.60444600 L
H-H_	5.78594000	16.63496400	1.73736800 L
H-H_	6.14432700	20.69067700	3.08842900 L
C-C_R	4.22900200	19.76660700	3.38362200 L
C-C_R	10.32479500	20.69918300	4.26624200 L
H-H_	9.31236300	19.81736300	5.94836300 L
H-H_	11.16437700	21.32830500	2.40143800 L
H-H_	3.43174000	16.60018300	2.47144400 L
C-C_R	3.45770600	18.62197200	3.20361400 L
H-H_	3.79846500	20.64796100	3.84375400 L
C-C_R	11.37797900	21.38065400	5.05336300 L
H-H_	2.42458300	18.60436500	3.52800300 L
N-N_R	12.57979700	21.33367800	4.49408700 L
C-C_R	11.18041800	21.98417700	6.31687500 L
C-C_R	13.63203000	21.77581400	5.19230400 L
N-N_R	12.23563400	22.34317800	7.05177500 L
C-C_R	9.86723200	22.30190700	6.90565700 L

C-C_R	13.45020900	22.22006600	6.53285400 L
C-C_R	14.93189100	21.75648900	4.61212700 L
C-C_R	8.77814500	22.71446300	6.12955400 L
C-C_R	9.71119200	22.26622100	8.29528600 L
C-C_R	14.60806800	22.56500700	7.30185300 L
C-C_R	16.05512200	22.14724300	5.37398400 L
C-C_R	15.04841000	21.26323700	3.28605800 L
C-C_R	7.56875600	23.03939200	6.71239000 L
H-H_	8.88972400	22.81661800	5.05665600 L
H-H_	10.56108600	21.98622300	8.90555800 L
C-C_R	8.50224200	22.57919300	8.88694400 L
C-C_R	15.85806700	22.51189700	6.72053200 L
C-C_R	14.44964700	22.99850800	8.64718300 L
N-N_R	15.13246600	20.85968100	2.20162200 L
H-H_	6.74175200	23.38062100	6.10122300 L
C-C_R	7.40917400	22.96147100	8.10072100 L
H-H_	8.39204800	22.52397000	9.96364700 L
H-H_	16.71489100	22.80956600	7.31065400 L
N-N_R	14.33529100	23.35348600	9.74391200 L
N-N_R	6.17599300	23.28067300	8.69216600 L
C-C_R	4.97959400	22.84859600	8.09239700 L
C-C_R	6.13941200	24.02646900	9.88784100 L
C-C_R	4.89523400	21.57193700	7.52858000 L
C-C_R	3.85882900	23.68501600	8.05465900 L
C-C_R	5.21744900	23.71362000	10.88993500 L
C-C_R	7.03180200	25.08515300	10.08339200 L
H-H_	5.75657100	20.91658800	7.56744500 L
C-C_R	3.71465000	21.14635200	6.93943100 L
H-H_	3.92362100	24.67831900	8.48194300 L
C-C_R	2.68272400	23.24603300	7.47013800 L
H-H_	4.53436100	22.88496500	10.74784500 L
C-C_R	5.18799400	24.45405400	12.06189400 L
H-H_	7.74244700	25.33459500	9.30431900 L
C-C_R	7.00196300	25.80852300	11.26465900 L
H-H_	3.66307000	20.14771200	6.51955800 L
C-C_R	2.60012900	21.97630000	6.90802600 L
H-H_	1.82320000	23.90797400	7.44601200 L
C-C_R	6.07977300	25.50156300	12.25831200 L
H-H_	4.47154800	24.19816000	12.83330500 L
H-H_	7.70143300	26.62610800	11.40249400 L
H-H_	1.67605200	21.63797900	6.45589900 L
H-H_	6.05849200	26.07292800	13.17963700 L
C-C_R	26.11638700	27.54793800	-0.32750600 L
H-H_	25.36285200	28.32822400	-0.34216100 L

C-C_R	28.01834500	26.46537200	-1.31217600 L
H-H_	28.75042000	26.38415000	-2.10623400 L
C-C_R	27.05494400	27.46714600	-1.35001500 L
H-H_	27.03607100	28.17738100	-2.16865600 L
C-C_R	26.14049000	26.64775700	0.72593500 L
C-C_R	27.10131800	25.63326000	0.75946800 L
H-H_	25.41472900	26.72051800	1.52612200 L
N-N_R	27.12426200	24.70970900	1.82459100 L
C-C_R	28.04003000	25.54732100	-0.27161300 L
C-C_R	25.92301700	24.18774400	2.33148100 L
C-C_R	28.35699700	24.29114400	2.36494100 L
H-H_	28.78087800	24.75812000	-0.25276700 L
C-C_R	25.77028900	23.96872200	3.70528200 L
C-C_R	24.85763100	23.88178900	1.47844200 L
C-C_R	29.38825600	25.21263200	2.57166700 L
C-C_R	28.56647600	22.95078200	2.69446200 L
H-H_	26.57437000	24.23585300	4.37905400 L
C-C_R	24.59960300	23.43051500	4.20428000 L
H-H_	24.95893100	24.05017400	0.41341400 L
C-C_R	23.68124600	23.36446300	1.98766300 L
C-C_R	30.60397100	24.79264000	3.09086700 L
H-H_	29.22736500	26.25466600	2.32279600 L
H-H_	27.77347200	22.23138700	2.52909800 L
C-C_R	29.78181000	22.54269300	3.22493900 L
C-C_R	23.53597300	23.10310400	3.35505900 L
H-H_	24.49941300	23.28804700	5.27196300 L
H-H_	22.85251400	23.14552900	1.32603100 L
H-H_	31.39267600	25.51987700	3.24701100 L
C-C_R	30.80823300	23.45875800	3.42410200 L
H-H_	29.92780600	21.49725900	3.47255000 L
C-C_R	22.25270500	22.57990500	3.85630900 L
H-H_	31.76007900	23.13686700	3.83038500 L
N-N_R	21.17957800	23.00400700	3.20795500 L
C-C_R	22.10797500	21.70662200	4.98294100 L
C-C_R	19.97266700	22.70096400	3.68709500 L
N-N_R	20.91841200	21.48400300	5.50742300 L
C-C_R	23.21806500	20.96554000	5.61560600 L
C-C_R	19.83329300	21.99815400	4.90860200 L
C-C_R	18.79350300	23.12129700	3.00082300 L
C-C_R	24.28495200	20.43837000	4.87819800 L
C-C_R	23.16986700	20.70404800	6.98740200 L
C-C_R	18.54342900	21.78539600	5.46991400 L
C-C_R	17.55448100	22.88424700	3.55127800 L
C-C_R	18.91089800	23.82189400	1.76414900 L

C-C_R	25.27872500	19.70306000	5.49409500 L
H-H_	24.32304500	20.58218200	3.80601900 L
H-H_	22.32996900	21.07805900	7.55887200 L
C-C_R	24.17397200	19.98907800	7.61437000 L
C-C_R	17.39482900	22.24915200	4.80198200 L
C-C_R	18.46468800	21.03515400	6.67410500 L
H-H_	16.67622700	23.23878600	3.02825500 L
N-N_R	18.98040600	24.39244300	0.75870600 L
H-H_	26.08614100	19.28336500	4.90607700 L
C-C_R	25.24914400	19.48251200	6.87500400 L
H-H_	24.13372900	19.82040900	8.68300500 L
N-N_R	18.39866000	20.41999100	7.65484000 L
N-N_R	26.27552300	18.76014600	7.50308200 L
C-C_R	27.61219700	18.93319200	7.08919400 L
C-C_R	25.97977700	17.87942300	8.56355500 L
C-C_R	28.09956000	20.20554800	6.78347900 L
C-C_R	28.46853400	17.83361500	6.98597500 L
C-C_R	26.81146300	17.81879200	9.68502900 L
C-C_R	24.85140100	17.05799700	8.50543700 L
H-H_	27.44074700	21.06121900	6.86945600 L
C-C_R	29.41547400	20.37197700	6.37808900 L
H-H_	28.09225400	16.84340300	7.21641400 L
C-C_R	29.78713900	18.00996000	6.59264500 L
H-H_	27.68188000	18.46093800	9.73742500 L
C-C_R	26.51939400	16.94563000	10.72212800 L
H-H_	24.20723100	17.09813800	7.63601700 L
C-C_R	24.55881900	16.20061300	9.55521800 L
H-H_	29.77655900	21.36763400	6.14830600 L
C-C_R	30.26769400	19.27641500	6.28335100 L
H-H_	30.43823200	17.14692300	6.51701800 L
C-C_R	25.39168700	16.13397600	10.66702000 L
H-H_	27.17238300	16.91039100	11.58596400 L
H-H_	23.67891900	15.57179400	9.49721300 L
H-H_	31.29884600	19.40989800	5.97589900 L
H-H_	25.16215400	15.45974300	11.48288200 L
C-C_R	-19.16397100	-22.81387400	-12.40225100 L
H-H_	-18.21647600	-23.33563600	-12.45978900 L
C-C_R	-21.22276800	-22.09971500	-13.42274800 L
H-H_	-21.87541300	-22.04544900	-14.28563900 L
C-C_R	-20.00418100	-22.76602200	-13.50990500 L
H-H_	-19.70906800	-23.24175200	-14.43821700 L
C-C_R	-19.53390600	-22.20854800	-11.21386900 L
C-C_R	-20.75779700	-21.53346700	-11.12577700 L
H-H_	-18.88836700	-22.25948800	-10.34657000 L

N-N_R	-21.13237800	-20.90852600	-9.92429300 L
C-C_R	-21.60117000	-21.48171500	-12.24306300 L
C-C_R	-20.16859300	-20.24694500	-9.14970800 L
C-C_R	-22.47111100	-20.93481500	-9.50035100 L
H-H_	-22.53923400	-20.94301200	-12.18083000 L
C-C_R	-20.19839700	-20.34438500	-7.75314200 L
C-C_R	-19.15978600	-19.49329600	-9.76328800 L
C-C_R	-23.24610000	-22.08805300	-9.67619200 L
C-C_R	-23.03886300	-19.80742000	-8.89647400 L
H-H_	-20.94901900	-20.96544000	-7.27635800 L
C-C_R	-19.25672100	-19.68114200	-6.99232000 L
H-H_	-19.13150900	-19.41332200	-10.84397000 L
C-C_R	-18.21763000	-18.84310700	-8.99275200 L
C-C_R	-24.56726400	-22.10206800	-9.25813700 L
H-H_	-22.80160400	-22.96706300	-10.12511300 L
H-H_	-22.44321800	-18.91135000	-8.77405300 L
C-C_R	-24.35950200	-19.83655200	-8.47796400 L
C-C_R	-18.26275000	-18.90284500	-7.59623900 L
H-H_	-19.27514800	-19.78565900	-5.91422000 L
H-H_	-17.42313300	-18.27471700	-9.46114600 L
H-H_	-25.15577100	-23.00283900	-9.39113900 L
C-C_R	-25.12983800	-20.98005600	-8.65886700 L
H-H_	-24.78904600	-18.95506000	-8.01882900 L
C-C_R	-17.20953100	-18.22236800	-6.80922000 L
H-H_	-26.16292700	-20.99865700	-8.33458100 L
N-N_R	-16.00771400	-18.26934400	-7.36849700 L
C-C_R	-17.40709300	-17.61884400	-5.54570900 L
C-C_R	-14.95548100	-17.82720800	-6.67028000 L
N-N_R	-16.35187600	-17.25984300	-4.81080900 L
C-C_R	-18.72027900	-17.30111500	-4.95692600 L
C-C_R	-15.13730200	-17.38295500	-5.32972900 L
C-C_R	-13.65562000	-17.84653300	-7.25045700 L
C-C_R	-19.80940000	-16.88756500	-5.73292700 L
C-C_R	-18.87634600	-17.33590800	-3.56620000 L
C-C_R	-13.97947000	-17.03712300	-4.55963300 L
C-C_R	-12.53241600	-17.45488700	-6.48750200 L
C-C_R	-13.53910000	-18.33978500	-8.57652600 L
C-C_R	-21.01975400	-16.56366500	-5.15019100 L
H-H_	-19.69778600	-16.78640400	-6.80592800 L
H-H_	-18.02645300	-17.61590700	-2.95592800 L
C-C_R	-20.08526800	-17.02382900	-2.97563900 L
C-C_R	-12.72947800	-17.09013100	-5.14194900 L
C-C_R	-14.13786300	-16.60451400	-3.21540000 L
N-N_R	-13.45504500	-18.74334100	-9.66096100 L

H-H_	-21.84678600	-16.22154300	-5.76026100 L
C-C_R	-21.17833700	-16.64155000	-3.76186300 L
H-H_	-20.19549700	-17.07805800	-1.89883400 L
H-H_	-11.87261900	-16.79345500	-4.55193000 L
N-N_R	-14.25225400	-16.24854100	-2.11856900 L
N-N_R	-22.41151200	-16.32245100	-3.16942300 L
C-C_R	-23.60795000	-16.75343200	-3.77008400 L
C-C_R	-22.44813300	-15.57555900	-1.97464000 L
C-C_R	-23.69227600	-18.03108500	-4.33400400 L
C-C_R	-24.72868200	-15.91800600	-3.80792500 L
C-C_R	-23.37009500	-15.88840800	-0.97254600 L
C-C_R	-21.55570900	-14.51786900	-1.77919100 L
H-H_	-22.83093900	-18.68643400	-4.29513800 L
C-C_R	-24.87286100	-18.45666900	-4.92315300 L
H-H_	-24.66388900	-14.92470300	-3.38064000 L
C-C_R	-25.90582000	-16.35603000	-4.39234000 L
H-H_	-24.05314900	-16.71805700	-1.11473900 L
C-C_R	-23.39951700	-15.14896800	0.19931100 L
H-H_	-20.84505700	-14.26852900	-2.55727000 L
C-C_R	-21.58558200	-13.79350500	-0.59782200 L
H-H_	-24.92444000	-19.45531000	-5.34302600 L
C-C_R	-25.98738100	-17.62672200	-4.95455800 L
H-H_	-26.76531000	-15.69508200	-4.41656900 L
C-C_R	-22.50777200	-14.10046400	0.39583100 L
H-H_	-24.11596300	-15.40486200	0.97072100 L
H-H_	-20.88607200	-12.97701600	-0.45909500 L
H-H_	-26.91145200	-17.96514500	-5.40569000 L
H-H_	-22.52901800	-13.53009400	1.31705300 L
C-C_R	-2.47115800	-12.05409000	-12.18998700 L
H-H_	-3.22465300	-11.27490000	-12.20375000 L
C-C_R	-0.56916000	-13.13775200	-13.17376500 L
H-H_	0.16291600	-13.21897400	-13.96782300 L
C-C_R	-1.53259400	-12.13498400	-13.21150100 L
H-H_	-1.55143900	-11.42564100	-14.03123900 L
C-C_R	-2.44702100	-12.95526500	-11.13664800 L
C-C_R	-1.48622700	-13.96876700	-11.10301300 L
H-H_	-3.17281000	-12.88161200	-10.33536500 L
N-N_R	-1.46324800	-14.89331300	-10.03799300 L
C-C_R	-0.54751500	-14.05470600	-12.13409400 L
C-C_R	-2.66449400	-15.41527800	-9.53110200 L
C-C_R	-0.23054800	-15.31088400	-9.49754000 L
H-H_	0.19336700	-14.84490200	-12.11535000 L
C-C_R	-2.81722100	-15.63430000	-8.15730200 L
C-C_R	-3.72987900	-15.72123300	-10.38414100 L

C-C_R	0.80074500	-14.39039000	-9.29091700 L
C-C_R	-0.02102800	-16.65234200	-9.16712700 L
H-H_	-2.01317500	-15.36617500	-7.48342700 L
C-C_R	-3.98890700	-16.17254200	-7.65830100 L
H-H_	-3.62860800	-15.55195500	-11.44807300 L
C-C_R	-4.90629200	-16.23766600	-9.87382300 L
C-C_R	2.01642600	-14.80938700	-8.77161400 L
H-H_	0.63986100	-13.34845800	-9.53879300 L
H-H_	-0.81403900	-17.37163500	-9.33348600 L
C-C_R	1.19430600	-17.06043100	-8.63664900 L
C-C_R	-5.05153800	-16.49991800	-8.50752400 L
H-H_	-4.08813100	-16.31398100	-6.59051900 L
H-H_	-5.73502400	-16.45660100	-10.53545500 L
H-H_	2.80516500	-14.08314500	-8.61557200 L
C-C_R	2.22068800	-16.14327000	-8.43837900 L
H-H_	1.34029500	-18.10576300	-8.39003300 L
C-C_R	-6.33480600	-17.02311700	-8.00627500 L
H-H_	3.17156900	-16.46619000	-8.03219600 L
N-N_R	-7.40793200	-16.59901500	-8.65462800 L
C-C_R	-6.47953600	-17.89640000	-6.87964300 L
C-C_R	-8.61487800	-16.90106400	-8.17538600 L
N-N_R	-7.66909300	-18.11912100	-6.35416600 L
C-C_R	-5.36948000	-18.63648800	-6.24687500 L
C-C_R	-8.75421700	-17.60486800	-6.95398200 L
C-C_R	-9.79404200	-16.48073100	-8.86165800 L
C-C_R	-4.30358600	-19.16379500	-6.98328600 L
C-C_R	-5.41764400	-18.89897400	-4.87518100 L
C-C_R	-10.04408200	-17.81762500	-6.39266900 L
C-C_R	-11.03303000	-16.71877500	-8.31130500 L
C-C_R	-9.67661300	-15.78112800	-10.09843500 L
C-C_R	-3.30878500	-19.89996200	-6.36848900 L
H-H_	-4.26445900	-19.02094200	-8.05557000 L
H-H_	-6.25753600	-18.52506500	-4.30271700 L
C-C_R	-4.41353800	-19.61394400	-4.24821400 L
C-C_R	-11.19371500	-17.35291100	-7.06049700 L
C-C_R	-10.12282200	-18.56786800	-5.18847800 L
H-H_	-11.91128300	-16.36423600	-8.83432800 L
N-N_R	-9.60713300	-15.20968700	-11.10278000 L
H-H_	-2.50140400	-20.31866300	-6.95640500 L
C-C_R	-3.33836600	-20.12051000	-4.98758000 L
H-H_	-4.45478100	-19.78264700	-3.17957600 L
N-N_R	-10.18887800	-19.18213900	-4.20664700 L
N-N_R	-2.31198800	-20.84287600	-4.35950200 L
C-C_R	-0.97531400	-20.66983000	-4.77339000 L

C-C_R	-2.60773300	-21.72359900	-3.29902900 L
C-C_R	-0.48795000	-19.39747400	-5.07910500 L
C-C_R	-0.11897600	-21.76940700	-4.87660800 L
C-C_R	-1.77708100	-21.78327000	-2.17745000 L
C-C_R	-3.73611000	-22.54502500	-3.35714600 L
H-H_	-1.14679800	-18.54080800	-4.99302500 L
C-C_R	0.82796400	-19.23104500	-5.48449400 L
H-H_	-0.49529100	-22.75862500	-4.64606700 L
C-C_R	1.19962900	-21.59306200	-5.26993800 L
H-H_	-0.90563000	-21.14208400	-2.12515900 L
C-C_R	-2.06811700	-22.65739200	-1.14045600 L
H-H_	-4.38027900	-22.50488400	-4.22656700 L
C-C_R	-4.02871900	-23.40151700	-2.30626900 L
H-H_	1.18904800	-18.23538800	-5.71427800 L
C-C_R	1.68014900	-20.32561300	-5.57913000 L
H-H_	1.85068700	-22.45510500	-5.34546300 L
C-C_R	-3.19685700	-23.46808600	-1.19545800 L
H-H_	-1.41512800	-22.69263100	-0.27661900 L
H-H_	-4.90862600	-24.03023400	-2.36526800 L
H-H_	2.71130200	-20.19213000	-5.88658300 L
H-H_	-3.42535000	-24.14338100	-0.37870600 L
C-C_R	-20.51818700	16.56309600	-8.35083200 L
H-H_	-19.57069100	16.04133400	-8.40836900 L
C-C_R	-22.57698300	17.27725500	-9.37132800 L
H-H_	-23.22962900	17.33152100	-10.23421900 L
C-C_R	-21.35839600	16.61094800	-9.45848500 L
H-H_	-21.06324900	16.13422400	-10.38690000 L
C-C_R	-20.88812100	17.16842200	-7.16244900 L
C-C_R	-22.11197800	17.84250900	-7.07446000 L
H-H_	-20.24258300	17.11748200	-6.29515100 L
N-N_R	-22.48659300	18.46844400	-5.87287400 L
C-C_R	-22.95535100	17.89426100	-8.19174600 L
C-C_R	-21.52280800	19.13002500	-5.09828800 L
C-C_R	-23.82529200	18.44116100	-5.44903300 L
H-H_	-23.89344900	18.43395800	-8.12941000 L
C-C_R	-21.55261200	19.03258500	-3.70172200 L
C-C_R	-20.51400100	19.88367400	-5.71186900 L
C-C_R	-24.60031500	17.28891700	-5.62477300 L
C-C_R	-24.39307800	19.56955000	-4.84505500 L
H-H_	-22.30320000	18.41053500	-3.22504100 L
C-C_R	-20.61090200	19.69483300	-2.94100300 L
H-H_	-20.48569000	19.96265400	-6.79265300 L
C-C_R	-19.57184500	20.53386300	-4.94133200 L
C-C_R	-25.92147900	17.27490200	-5.20671800 L

H-H_	-24.15578500	16.40891300	-6.07379600 L
H-H_	-23.79739900	20.46462500	-4.72273500 L
C-C_R	-25.71371700	19.54041800	-4.42654400 L
C-C_R	-19.61693100	20.47313100	-3.54492200 L
H-H_	-20.62936300	19.59131100	-1.86280100 L
H-H_	-18.77734800	21.10225300	-5.40972600 L
H-H_	-26.50998600	16.37413100	-5.33972000 L
C-C_R	-26.48401900	18.39592000	-4.60755000 L
H-H_	-26.14326100	20.42191000	-3.96741000 L
C-C_R	-18.56374600	21.15460200	-2.75780100 L
H-H_	-27.51714200	18.37831300	-4.28316100 L
N-N_R	-17.36192900	21.10762600	-3.31707700 L
C-C_R	-18.76130800	21.75812600	-1.49428900 L
C-C_R	-16.30969600	21.54976200	-2.61886000 L
N-N_R	-17.70609100	22.11712600	-0.75938900 L
C-C_R	-20.07449400	22.07585500	-0.90550700 L
C-C_R	-16.49151700	21.99401500	-1.27831000 L
C-C_R	-15.00983500	21.53043700	-3.19903700 L
C-C_R	-21.16358100	22.48841100	-1.68161000 L
C-C_R	-20.23052700	22.04006700	0.48511700 L
C-C_R	-15.33365100	22.33885300	-0.50831600 L
C-C_R	-13.88659700	21.92108900	-2.43618500 L
C-C_R	-14.89331500	21.03718500	-4.52510600 L
C-C_R	-22.37397000	22.81330500	-1.09877100 L
H-H_	-21.05200200	22.59056600	-2.75450800 L
H-H_	-19.38063400	21.76006900	1.09538900 L
C-C_R	-21.43948400	22.35314100	1.07578000 L
C-C_R	-14.08365900	22.28584500	-1.09063200 L
C-C_R	-15.49207900	22.77245600	0.83601900 L
N-N_R	-14.80926000	20.63362900	-5.60954200 L
H-H_	-23.20096700	23.15443300	-1.70894400 L
C-C_R	-22.53255200	22.73542000	0.28955700 L
H-H_	-21.54967800	22.29791800	2.15248300 L
H-H_	-13.22683500	22.58351500	-0.50051000 L
N-N_R	-15.60643500	23.12743500	1.93274800 L
N-N_R	-23.76572700	23.05451900	0.88199600 L
C-C_R	-24.96213100	22.62254400	0.28123300 L
C-C_R	-23.80231400	23.80041700	2.07667700 L
C-C_R	-25.04649200	21.34588500	-0.28258400 L
C-C_R	-26.08289700	23.45896400	0.24349500 L
C-C_R	-24.72427600	23.48756800	3.07877100 L
C-C_R	-22.90992400	24.85910100	2.27222800 L
H-H_	-24.18515500	20.69053600	-0.24371900 L
C-C_R	-26.22707600	20.92030100	-0.87173300 L

H-H_	-26.01810500	24.45226700	0.67077900 L
C-C_R	-27.26000100	23.01994600	-0.34102300 L
H-H_	-25.40736400	22.65891300	2.93668100 L
C-C_R	-24.75373200	24.22800200	4.25073000 L
H-H_	-22.19927300	25.10844100	1.49414900 L
C-C_R	-22.93976300	25.58247100	3.45349500 L
H-H_	-26.27865500	19.92166000	-1.29160600 L
C-C_R	-27.34159600	21.75024800	-0.90313800 L
H-H_	-28.11952500	23.68188800	-0.36515000 L
C-C_R	-23.86195300	25.27551200	4.44714800 L
H-H_	-25.47017800	23.97210800	5.02214100 L
H-H_	-22.24028700	26.39995400	3.59232500 L
H-H_	-28.26566700	21.41182500	-1.35427100 L
H-H_	-23.88323400	25.84687600	5.36847300 L
C-C_R	-3.82533900	27.32188600	-8.13867000 L
H-H_	-4.57886800	28.10207000	-8.15233000 L
C-C_R	-1.92337500	26.23921800	-9.12234500 L
H-H_	-1.19130000	26.15799600	-9.91640300 L
C-C_R	-2.88677500	27.24099200	-9.16018400 L
H-H_	-2.90565400	27.95132900	-9.97982000 L
C-C_R	-3.80123600	26.42170500	-7.08522900 L
C-C_R	-2.84040800	25.40720800	-7.05169600 L
H-H_	-4.52699100	26.49436400	-6.28404800 L
N-N_R	-2.81746300	24.48365700	-5.98657300 L
C-C_R	-1.90169600	25.32126900	-8.08277700 L
C-C_R	-4.01870900	23.96169200	-5.47968300 L
C-C_R	-1.58472900	24.06509200	-5.44622300 L
H-H_	-1.16084800	24.53206800	-8.06393100 L
C-C_R	-4.17143700	23.74267000	-4.10588200 L
C-C_R	-5.08409500	23.65573700	-6.33272100 L
C-C_R	-0.55347000	24.98658000	-5.23949700 L
C-C_R	-1.37524300	22.72462800	-5.11570800 L
H-H_	-3.36735600	24.00980100	-3.43211000 L
C-C_R	-5.34312200	23.20442800	-3.60688100 L
H-H_	-4.98278900	23.82402000	-7.39675500 L
C-C_R	-6.26047300	23.13830900	-5.82250600 L
C-C_R	0.66224500	24.56658900	-4.72029700 L
H-H_	-0.71435400	26.02851200	-5.48737400 L
H-H_	-2.16825400	22.00533500	-5.28206600 L
C-C_R	-0.15991000	22.31653900	-4.58523000 L
C-C_R	-6.40575300	22.87705200	-4.45610500 L
H-H_	-5.44231200	23.06199500	-2.53920100 L
H-H_	-7.08920500	22.91937500	-6.48413800 L
H-H_	1.45095000	25.29382500	-4.56415300 L

C-C_R	0.86650700	23.23270600	-4.38706200 L
H-H_	-0.01392000	21.27120700	-4.33861400 L
C-C_R	-7.68902100	22.35385300	-3.95485500 L
H-H_	1.81735400	22.91078000	-3.98077600 L
N-N_R	-8.76214700	22.77795500	-4.60320900 L
C-C_R	-7.83375100	21.48057000	-2.82822300 L
C-C_R	-9.96905900	22.47491200	-4.12406900 L
N-N_R	-9.02330800	21.25784900	-2.30274600 L
C-C_R	-6.72366100	20.73948800	-2.19555800 L
C-C_R	-10.10843200	21.77210200	-2.90256200 L
C-C_R	-11.14822300	22.89524500	-4.81034100 L
C-C_R	-5.65776700	20.21218100	-2.93196800 L
C-C_R	-6.77185900	20.47799600	-0.82376200 L
C-C_R	-11.39829700	21.55934400	-2.34125000 L
C-C_R	-12.38724500	22.65819500	-4.25988600 L
C-C_R	-11.03082800	23.59584200	-6.04701500 L
C-C_R	-4.66300100	19.47700800	-2.31706900 L
H-H_	-5.61867500	20.35602800	-4.00415000 L
H-H_	-7.61175100	20.85190500	-0.25129700 L
C-C_R	-5.76775400	19.76302600	-0.19679400 L
C-C_R	-12.54789600	22.02306500	-3.00917900 L
C-C_R	-11.47703700	20.80910200	-1.13705900 L
H-H_	-13.26549900	23.01273400	-4.78290900 L
N-N_R	-10.96131400	24.16628900	-7.05146300 L
H-H_	-3.85558500	19.05731300	-2.90508700 L
C-C_R	-4.69258100	19.25646000	-0.93616000 L
H-H_	-5.80899600	19.59432300	0.87184400 L
N-N_R	-11.54305900	20.19383700	-0.15532900 L
N-N_R	-3.66620300	18.53409400	-0.30808200 L
C-C_R	-2.32952900	18.70714000	-0.72197000 L
C-C_R	-3.96194800	17.65337100	0.75239100 L
C-C_R	-1.84216600	19.97949600	-1.02768500 L
C-C_R	-1.47319200	17.60756300	-0.82518900 L
C-C_R	-3.13126200	17.59270500	1.87386800 L
C-C_R	-5.09032500	16.83194500	0.69427400 L
H-H_	-2.50097900	20.83516700	-0.94170800 L
C-C_R	-0.52625100	20.14592500	-1.43307500 L
H-H_	-1.84947200	16.61735100	-0.59475000 L
C-C_R	-0.15458600	17.78390800	-1.21851900 L
H-H_	-2.25984500	18.23488600	1.92626100 L
C-C_R	-3.42233200	16.71957800	2.91096400 L
H-H_	-5.73449400	16.87208600	-0.17514700 L
C-C_R	-5.38290000	15.97445900	1.74504800 L
H-H_	-0.16516700	21.14158200	-1.66285800 L

C-C_R	0.32596800	19.05036300	-1.52781300 L
H-H_	0.49650600	16.92087100	-1.29414600 L
C-C_R	-4.55103800	15.90788900	2.85585900 L
H-H_	-2.76934300	16.68433900	3.77480100 L
H-H_	-6.26280700	15.34574200	1.68604900 L
H-H_	1.35712100	19.18384600	-1.83526500 L
H-H_	-4.77956500	15.23358900	3.67271300 L
C-C_R	10.72795200	-21.77740300	-12.48443700 L
H-H_	11.67544700	-22.29916600	-12.54197400 L
C-C_R	8.66915600	-21.06324400	-13.50493300 L
H-H_	8.01651000	-21.00897900	-14.36782400 L
C-C_R	9.88774200	-21.72955200	-13.59209000 L
H-H_	10.18285500	-22.20528100	-14.52040300 L
C-C_R	10.35801700	-21.17207800	-11.29605400 L
C-C_R	9.13412600	-20.49699600	-11.20796300 L
H-H_	11.00355600	-21.22301800	-10.42875600 L
N-N_R	8.75954500	-19.87205500	-10.00647900 L
C-C_R	8.29075300	-20.44524500	-12.32524900 L
C-C_R	9.72433000	-19.21044000	-9.23189600 L
C-C_R	7.42081200	-19.89834500	-9.58253600 L
H-H_	7.35368900	-19.90650600	-12.26301800 L
C-C_R	9.69352600	-19.30791400	-7.83532700 L
C-C_R	10.73213800	-18.45682600	-9.84547400 L
C-C_R	6.64582300	-21.05158200	-9.75837800 L
C-C_R	6.85306000	-18.77095000	-8.97866000 L
H-H_	8.94390300	-19.92893500	-7.35854600 L
C-C_R	10.63520200	-18.64467200	-7.07450600 L
H-H_	10.76041400	-18.37685200	-10.92615600 L
C-C_R	11.67529300	-17.80660200	-9.07494000 L
C-C_R	5.32465900	-21.06559700	-9.34032300 L
H-H_	7.09031900	-21.93059300	-10.20729900 L
H-H_	7.44870500	-17.87488000	-8.85623800 L
C-C_R	5.53342100	-18.80004700	-8.56015200 L
C-C_R	11.62917300	-17.86637400	-7.67842500 L
H-H_	10.61677500	-18.74918800	-5.99640600 L
H-H_	12.46879000	-17.23824600	-9.54333100 L
H-H_	4.73615200	-21.96636800	-9.47332500 L
C-C_R	4.76208500	-19.94358500	-8.74105300 L
H-H_	5.10287700	-17.91859000	-8.10101500 L
C-C_R	12.68239200	-17.18589800	-6.89140600 L
H-H_	3.72899600	-19.96218600	-8.41676600 L
N-N_R	13.88420900	-17.23287400	-7.45068200 L
C-C_R	12.48483000	-16.58237400	-5.62789500 L
C-C_R	14.93644300	-16.79073800	-6.75246500 L

N-N_R	13.54004700	-16.22337300	-4.89299400 L
C-C_R	11.17164400	-16.26464500	-5.03911200 L
C-C_R	14.75462200	-16.34648500	-5.41191500 L
C-C_R	16.23630400	-16.81006200	-7.33264200 L
C-C_R	10.08252300	-15.85109400	-5.81511200 L
C-C_R	11.01557700	-16.29943800	-3.64838600 L
C-C_R	15.91245300	-16.00065300	-4.64181900 L
C-C_R	17.35950700	-16.41841600	-6.56968800 L
C-C_R	16.35282300	-17.30331500	-8.65871100 L
C-C_R	8.87316800	-15.52716000	-5.23237900 L
H-H_	10.19413700	-15.74993300	-6.88811300 L
H-H_	11.86547000	-16.57943600	-3.03811400 L
C-C_R	9.80665500	-15.98735800	-3.05782500 L
C-C_R	17.16244500	-16.05366000	-5.22413500 L
C-C_R	15.75406000	-15.56804400	-3.29758600 L
N-N_R	16.43687800	-17.70687000	-9.74314700 L
H-H_	8.04613600	-15.18503800	-5.84244900 L
C-C_R	8.71358700	-15.60508000	-3.84404900 L
H-H_	9.69642600	-16.04158800	-1.98102000 L
H-H_	18.01930400	-15.75698500	-4.63411600 L
N-N_R	15.63966900	-15.21207100	-2.20075400 L
N-N_R	7.48041200	-15.28598100	-3.25160900 L
C-C_R	6.28397300	-15.71696100	-3.85226900 L
C-C_R	7.44379000	-14.53908800	-2.05682600 L
C-C_R	6.19964700	-16.99461500	-4.41619000 L
C-C_R	5.16324100	-14.88153600	-3.89011000 L
C-C_R	6.52182800	-14.85193800	-1.05473100 L
C-C_R	8.33621500	-13.48139900	-1.86137700 L
H-H_	7.06098400	-17.64996300	-4.37732400 L
C-C_R	5.01906200	-17.42019900	-5.00533800 L
H-H_	5.22803400	-13.88823300	-3.46282600 L
C-C_R	3.98710200	-15.31952400	-4.47452900 L
H-H_	5.83877400	-15.68158600	-1.19692400 L
C-C_R	6.49240600	-14.11249700	0.11712500 L
H-H_	9.04686600	-13.23205900	-2.63945600 L
C-C_R	8.30634100	-12.75703500	-0.68000800 L
H-H_	4.96748300	-18.41883900	-5.42521200 L
C-C_R	3.90454200	-16.59025100	-5.03674400 L
H-H_	3.12761300	-14.65857700	-4.49875700 L
C-C_R	7.38415100	-13.06399400	0.31364600 L
H-H_	5.77596000	-14.36839100	0.88853600 L
H-H_	9.00585200	-11.94054600	-0.54128000 L
H-H_	2.98047100	-16.92867400	-5.48787600 L
H-H_	7.36290500	-12.49362300	1.23486800 L

C-C_R	27.42076500	-11.01762000	-12.27217200 L
H-H_	26.66727100	-10.23842900	-12.28593500 L
C-C_R	29.32276400	-12.10128200	-13.25595000 L
H-H_	30.05483900	-12.18250300	-14.05000800 L
C-C_R	28.35932900	-11.09851300	-13.29368700 L
H-H_	28.34048400	-10.38917100	-14.11342500 L
C-C_R	27.44490200	-11.91879500	-11.21883400 L
C-C_R	28.40569600	-12.93229700	-11.18519900 L
H-H_	26.71911300	-11.84514200	-10.41755000 L
N-N_R	28.42867500	-13.85684300	-10.12017900 L
C-C_R	29.34440900	-13.01823600	-12.21628000 L
C-C_R	27.22742900	-14.37880700	-9.61328800 L
C-C_R	29.66137500	-14.27441400	-9.57972600 L
H-H_	30.08529100	-13.80843100	-12.19753600 L
C-C_R	27.07470200	-14.59783000	-8.23948700 L
C-C_R	26.16204400	-14.68476200	-10.46632700 L
C-C_R	30.69266800	-13.35391900	-9.37310200 L
C-C_R	29.87089500	-15.61587200	-9.24931300 L
H-H_	27.87874800	-14.32970400	-7.56561300 L
C-C_R	25.90401600	-15.13603700	-7.74048900 L
H-H_	26.26331600	-14.51548500	-11.53025800 L
C-C_R	24.98563100	-15.20119600	-9.95600900 L
C-C_R	31.90834900	-13.77291700	-8.85379900 L
H-H_	30.53178400	-12.31198800	-9.62097900 L
H-H_	29.07788400	-16.33516400	-9.41567200 L
C-C_R	31.08622900	-16.02396100	-8.71883500 L
C-C_R	24.84038500	-15.46344800	-8.58971000 L
H-H_	25.80379200	-15.27751000	-6.67270400 L
H-H_	24.15689900	-15.42013100	-10.61764100 L
H-H_	32.69708800	-13.04667500	-8.69775800 L
C-C_R	32.11261200	-15.10679900	-8.52056500 L
H-H_	31.23221900	-17.06929300	-8.47221900 L
C-C_R	23.55711800	-15.98664700	-8.08846000 L
H-H_	33.06449200	-15.42968500	-8.11438400 L
N-N_R	22.48399100	-15.56254500	-8.73681400 L
C-C_R	23.41238800	-16.85993000	-6.96182800 L
C-C_R	21.27704500	-15.86459300	-8.25757200 L
N-N_R	22.22283000	-17.08265000	-6.43635100 L
C-C_R	24.52244300	-17.60001800	-6.32906100 L
C-C_R	21.13770600	-16.56839800	-7.03616700 L
C-C_R	20.09788100	-15.44426000	-8.94384400 L
C-C_R	25.58933600	-18.12728900	-7.06547400 L
C-C_R	24.47427900	-17.86250300	-4.95736700 L
C-C_R	19.84784200	-16.78115500	-6.47485500 L

C-C_R	18.85889400	-15.68230500	-8.39349100 L
C-C_R	20.21531000	-14.74465700	-10.18062100 L
C-C_R	26.58313800	-18.86349200	-6.45067400 L
H-H_	25.62746400	-17.98447100	-8.13775500 L
H-H_	23.63438800	-17.48859500	-4.38490200 L
C-C_R	25.47838500	-18.57747400	-4.33039900 L
C-C_R	18.69920700	-16.31640600	-7.14268500 L
C-C_R	19.76910100	-17.53139800	-5.27066400 L
H-H_	17.98064000	-15.32776600	-8.91651400 L
N-N_R	20.28479100	-14.17321600	-11.18496600 L
H-H_	27.39052000	-19.28219300	-7.03859000 L
C-C_R	26.55355700	-19.08404000	-5.06976500 L
H-H_	25.43814200	-18.74614200	-3.26176400 L
N-N_R	19.70304500	-18.14566800	-4.28883200 L
N-N_R	27.57993500	-19.80640600	-4.44168700 L
C-C_R	28.91660900	-19.63335900	-4.85557500 L
C-C_R	27.28419000	-20.68712800	-3.38121500 L
C-C_R	29.40397300	-18.36100400	-5.16129000 L
C-C_R	29.77294700	-20.73293600	-4.95879400 L
C-C_R	28.11584100	-20.74676500	-2.25963800 L
C-C_R	26.15581300	-21.50855500	-3.43933200 L
H-H_	28.74512500	-17.50433800	-5.07521000 L
C-C_R	30.71988700	-18.19457500	-5.56668000 L
H-H_	29.39663200	-21.72215400	-4.72825300 L
C-C_R	31.09155200	-20.55659100	-5.35212400 L
H-H_	28.98629300	-20.10561300	-2.20734500 L
C-C_R	27.82380600	-21.62092100	-1.22264100 L
H-H_	25.51164400	-21.46841400	-4.30875200 L
C-C_R	25.86320400	-22.36504700	-2.38845400 L
H-H_	31.08097100	-17.19891700	-5.79646300 L
C-C_R	31.57207200	-19.28914300	-5.66131600 L
H-H_	31.74261000	-21.41863400	-5.42764900 L
C-C_R	26.69606500	-22.43158100	-1.27764600 L
H-H_	28.47679600	-21.65616100	-0.35880500 L
H-H_	24.98329700	-22.99376400	-2.44745400 L
H-H_	32.60322500	-19.15566000	-5.96876800 L
H-H_	26.46657300	-23.10691100	-0.46089200 L
C-C_R	9.37373700	17.59956700	-8.43301700 L
H-H_	10.32123200	17.07780400	-8.49055500 L
C-C_R	7.31494000	18.31372600	-9.45351400 L
H-H_	6.66229500	18.36799100	-10.31640500 L
C-C_R	8.53352700	17.64741800	-9.54067100 L
H-H_	8.82867400	17.17069400	-10.46908500 L
C-C_R	9.00380200	18.20489200	-7.24463500 L

C-C_R	7.77994500	18.87898000	-7.15664500 L
H-H_	9.64934100	18.15395200	-6.37733600 L
N-N_R	7.40533000	19.50491500	-5.95505900 L
C-C_R	6.93657200	18.93073100	-8.27393100 L
C-C_R	8.37011400	20.16653000	-5.18047600 L
C-C_R	6.06663100	19.47763100	-5.53121900 L
H-H_	5.99947400	19.47046300	-8.21159900 L
C-C_R	8.33931100	20.06905600	-3.78390800 L
C-C_R	9.37792200	20.92014400	-5.79405400 L
C-C_R	5.29160800	18.32538800	-5.70695800 L
C-C_R	5.49884500	20.60602000	-4.92724000 L
H-H_	7.58972200	19.44704000	-3.30722900 L
C-C_R	9.28102100	20.73130400	-3.02318900 L
H-H_	9.40623300	20.99912400	-6.87483800 L
C-C_R	10.32107800	21.57036800	-5.02352000 L
C-C_R	3.97044400	18.31137300	-5.28890300 L
H-H_	5.73613800	17.44538300	-6.15598200 L
H-H_	6.09452400	21.50109600	-4.80492100 L
C-C_R	4.17920600	20.57692300	-4.50873300 L
C-C_R	10.27499200	21.50960200	-3.62710800 L
H-H_	9.26256000	20.62778200	-1.94498600 L
H-H_	11.11457500	22.13872400	-5.49191200 L
H-H_	3.38193700	17.41060200	-5.42190500 L
C-C_R	3.40790400	19.43239000	-4.68973500 L
H-H_	3.74866200	21.45838000	-4.04959500 L
C-C_R	11.32817700	22.19107200	-2.83998600 L
H-H_	2.37478100	19.41478400	-4.36534700 L
N-N_R	12.52999400	22.14409600	-3.39926300 L
C-C_R	11.13061500	22.79459600	-1.57647500 L
C-C_R	13.58222700	22.58623200	-2.70104500 L
N-N_R	12.18583200	23.15359700	-0.84157500 L
C-C_R	9.81742900	23.11232500	-0.98769200 L
C-C_R	13.40040600	23.03048500	-1.36049500 L
C-C_R	14.88208800	22.56690800	-3.28122300 L
C-C_R	8.72834200	23.52488100	-1.76379500 L
C-C_R	9.66139600	23.07653800	0.40293100 L
C-C_R	14.55827200	23.37532300	-0.59050200 L
C-C_R	16.00532600	22.95756000	-2.51837000 L
C-C_R	14.99860800	22.07365500	-4.60729200 L
C-C_R	7.51895300	23.84981000	-1.18096000 L
H-H_	8.83992200	23.62703700	-2.83669400 L
H-H_	10.51128900	22.79653900	1.01320400 L
C-C_R	8.45244000	23.38961200	0.99359500 L
C-C_R	15.80826400	23.32231600	-1.17281700 L

C-C_R	14.39984500	23.80892600	0.75383400 L
N-N_R	15.08266300	21.67010000	-5.69172700 L
H-H_	6.69195500	24.19093800	-1.79113200 L
C-C_R	7.35937200	23.77189000	0.20737100 L
H-H_	8.34224500	23.33438800	2.07029800 L
H-H_	16.66508900	23.61998500	-0.58269600 L
N-N_R	14.28548800	24.16390500	1.85056300 L
N-N_R	6.12619600	24.09098900	0.79981100 L
C-C_R	4.92979200	23.65901500	0.19904800 L
C-C_R	6.08960900	24.83688800	1.99449100 L
C-C_R	4.84543200	22.38235500	-0.36477000 L
C-C_R	3.80902600	24.49543400	0.16130900 L
C-C_R	5.16764700	24.52403800	2.99658600 L
C-C_R	6.98199900	25.89557100	2.19004300 L
H-H_	5.70676900	21.72700700	-0.32590400 L
C-C_R	3.66484700	21.95677100	-0.95391900 L
H-H_	3.87381900	25.48873700	0.58859400 L
C-C_R	2.63292100	24.05645100	-0.42321100 L
H-H_	4.48455900	23.69538400	2.85449500 L
C-C_R	5.13819100	25.26447300	4.16854500 L
H-H_	7.69265100	26.14491100	1.41196400 L
C-C_R	6.95216000	26.61894100	3.37131000 L
H-H_	3.61326800	20.95813100	-1.37379200 L
C-C_R	2.55032700	22.78671900	-0.98532400 L
H-H_	1.77339700	24.71839300	-0.44733800 L
C-C_R	6.02997000	26.31198200	4.36496300 L
H-H_	4.42174500	25.00857900	4.93995500 L
H-H_	7.65163600	27.43642400	3.51014000 L
H-H_	1.62625600	22.44829600	-1.43645600 L
H-H_	6.00869000	26.88334700	5.28628700 L
C-C_R	26.06658400	28.35835600	-8.22085500 L
H-H_	25.31305600	29.13854100	-8.23451600 L
C-C_R	27.96854800	27.27568800	-9.20453100 L
H-H_	28.70062400	27.19446700	-9.99858900 L
C-C_R	27.00514800	28.27746300	-9.24237000 L
H-H_	26.98626900	28.98779900	-10.06200500 L
C-C_R	26.09068700	27.45817500	-7.16741400 L
C-C_R	27.05151500	26.44367900	-7.13388100 L
H-H_	25.36493200	27.53083400	-6.36623300 L
N-N_R	27.07446000	25.52012700	-6.06875900 L
C-C_R	27.99022800	26.35774000	-8.16496200 L
C-C_R	25.87321400	24.99816300	-5.56186800 L
C-C_R	28.30719400	25.10156200	-5.52840900 L
H-H_	28.73107500	25.56853900	-8.14611600 L

C-C_R	25.72048700	24.77914000	-4.18806800 L
C-C_R	24.80782900	24.69220800	-6.41490700 L
C-C_R	29.33845300	26.02305100	-5.32168200 L
C-C_R	28.51668000	23.76109800	-5.19789300 L
H-H_	26.52456700	25.04627100	-3.51429500 L
C-C_R	24.54980100	24.24093300	-3.68906900 L
H-H_	24.90913500	24.86049100	-7.47894100 L
C-C_R	23.63145000	24.17478000	-5.90469200 L
C-C_R	30.55416800	25.60305900	-4.80248200 L
H-H_	29.17756900	27.06498200	-5.56955900 L
H-H_	27.72366900	23.04180600	-5.36425200 L
C-C_R	29.73201400	23.35300900	-4.66741500 L
C-C_R	23.48617000	23.91352200	-4.53829000 L
H-H_	24.44961100	24.09846600	-2.62138700 L
H-H_	22.80271800	23.95584500	-6.56632300 L
H-H_	31.34287300	26.33029500	-4.64633800 L
C-C_R	30.75843100	24.26917600	-4.46924700 L
H-H_	29.87800300	22.30767700	-4.42079900 L
C-C_R	22.20290200	23.39032300	-4.03704100 L
H-H_	31.71027700	23.94728500	-4.06296400 L
N-N_R	21.12977600	23.81442500	-4.68539400 L
C-C_R	22.05817200	22.51704000	-2.91040900 L
C-C_R	19.92286400	23.51138200	-4.20625500 L
N-N_R	20.86861500	22.29432000	-2.38493200 L
C-C_R	23.16826200	21.77595800	-2.27774400 L
C-C_R	19.78349100	22.80857200	-2.98474800 L
C-C_R	18.74370000	23.93171500	-4.89252600 L
C-C_R	24.23515500	21.24868600	-3.01415700 L
C-C_R	23.12006400	21.51446700	-0.90594700 L
C-C_R	18.49362600	22.59581500	-2.42343500 L
C-C_R	17.50467800	23.69466500	-4.34207100 L
C-C_R	18.86109500	24.63231300	-6.12920100 L
C-C_R	25.22892300	20.51347800	-2.39925500 L
H-H_	24.27324900	21.39249900	-4.08633600 L
H-H_	22.28017200	21.88837500	-0.33348300 L
C-C_R	24.12417000	20.79949600	-0.27898000 L
C-C_R	17.34502600	23.05957000	-3.09136800 L
C-C_R	18.41488600	21.84557200	-1.21924400 L
H-H_	16.62642500	24.04920400	-4.86509400 L
N-N_R	18.93061000	25.20276000	-7.13364900 L
H-H_	26.03633900	20.09378300	-2.98727300 L
C-C_R	25.19934200	20.29293000	-1.01834600 L
H-H_	24.08392600	20.63082800	0.78965500 L
N-N_R	18.34886400	21.23030700	-0.23751500 L

N-N_R	26.22572000	19.57056400	-0.39026700 L
C-C_R	27.56239400	19.74361100	-0.80415600 L
C-C_R	25.92997500	18.68984200	0.67020500 L
C-C_R	28.04975800	21.01596600	-1.10987100 L
C-C_R	28.41873200	18.64403400	-0.90737400 L
C-C_R	26.76166000	18.62921100	1.79167900 L
C-C_R	24.80159800	17.86841500	0.61208800 L
H-H_	27.39094400	21.87163800	-1.02389300 L
C-C_R	29.36567200	21.18239500	-1.51526000 L
H-H_	28.04245100	17.65382100	-0.67693600 L
C-C_R	29.73733700	18.82037900	-1.30070400 L
H-H_	27.63207800	19.27135700	1.84407500 L
C-C_R	26.46959100	17.75604900	2.82877800 L
H-H_	24.15742900	17.90855600	-0.25733300 L
C-C_R	24.50902300	17.01092900	1.66286300 L
H-H_	29.72675600	22.17805300	-1.74504400 L
C-C_R	30.21789100	20.08683300	-1.60999800 L
H-H_	30.38842900	17.95734200	-1.37633200 L
C-C_R	25.34188400	16.94439500	2.77367100 L
H-H_	27.12258000	17.72080900	3.69261500 L
H-H_	23.62911600	16.38221200	1.60386400 L
H-H_	31.24904400	20.22031600	-1.91745100 L
H-H_	25.11235800	16.27005900	3.59052800 L
C-C_R	-10.84591300	14.53465400	3.34468200 L
H-H_	-11.79338300	15.05600800	3.40619900 L
C-C_R	-8.80093100	14.04528800	2.17573100 L
H-H_	-8.15818100	14.16835900	1.31173200 L
C-C_R	-10.01966200	14.71394500	2.24000900 L
H-H_	-10.32573300	15.36799700	1.43148600 L
C-C_R	-10.46194500	13.70096100	4.38056300 L
C-C_R	-9.23791500	13.02363300	4.31435600 L
H-H_	-11.09653700	13.57378300	5.24811000 L
N-N_R	-8.84816300	12.16811200	5.35901700 L
C-C_R	-8.40762700	13.20110100	3.19941700 L
C-C_R	-9.80404100	11.36157200	5.99598600 L
C-C_R	-7.50420800	12.10942800	5.76270700 L
H-H_	-7.47055000	12.66215800	3.13917600 L
C-C_R	-9.75668300	11.17334700	7.38173900 L
C-C_R	-10.82140400	10.74712800	5.25372100 L
C-C_R	-6.72999100	13.27522800	5.81619400 L
C-C_R	-6.93140600	10.88354300	6.11777300 L
H-H_	-8.99937000	11.68553000	7.96535900 L
C-C_R	-10.68862900	10.36807400	8.00461300 L
H-H_	-10.86326800	10.88827100	4.18076700 L

C-C_R	-11.75469700	9.95272900	5.88777300 L
C-C_R	-5.40469900	13.20576600	6.21085300 L
H-H_	-7.17993600	14.22661500	5.55984000 L
H-H_	-7.52561800	9.98046000	6.06398700 L
C-C_R	-5.60560800	10.82872200	6.51694900 L
C-C_R	-11.69106100	9.72745000	7.26760800 L
H-H_	-10.65761300	10.25144000	9.08015200 L
H-H_	-12.55470900	9.49038600	5.32361200 L
H-H_	-4.81674500	14.11552400	6.25631800 L
C-C_R	-4.83611800	11.98601300	6.56356000 L
H-H_	-5.17048900	9.87281100	6.78298500 L
C-C_R	-12.73624700	8.89997100	7.91203800 L
H-H_	-3.79903800	11.93965800	6.87193600 L
N-N_R	-13.94488700	9.05796500	7.39002000 L
C-C_R	-12.52369800	8.05255600	9.02399200 L
C-C_R	-14.98889200	8.48193300	7.99592100 L
N-N_R	-13.56911500	7.55040000	9.68373000 L
C-C_R	-11.20267100	7.62353700	9.51948500 L
C-C_R	-14.79091500	7.77479300	9.21586100 L
C-C_R	-16.29587000	8.61707600	7.44805100 L
C-C_R	-10.12385500	7.37768800	8.66210500 L
C-C_R	-11.03020500	7.37518500	10.88621200 L
C-C_R	-15.93848400	7.27824800	9.91401400 L
C-C_R	-17.40996000	8.07713400	8.12947500 L
C-C_R	-16.42730000	9.36926800	6.25242300 L
C-C_R	-8.90773500	6.94365500	9.15171300 L
H-H_	-10.24898800	7.49651900	7.59241200 L
H-H_	-11.87105300	7.52428500	11.55120800 L
C-C_R	-9.81340500	6.95120400	11.38589600 L
C-C_R	-17.19658000	7.44683400	9.37027500 L
C-C_R	-15.76487200	6.58169500	11.14022100 L
N-N_R	-16.52537900	9.98471300	5.27275300 L
H-H_	-8.08882400	6.73369200	8.47457500 L
C-C_R	-8.73172900	6.73802100	10.52481400 L
H-H_	-9.69066900	6.78561000	12.44979700 L
H-H_	-18.04637800	7.03526100	9.89935000 L
N-N_R	-15.63625100	6.01046200	12.14032200 L
N-N_R	-7.49166300	6.30678100	11.02461100 L
C-C_R	-6.30226600	6.85235400	10.50916100 L
C-C_R	-7.44108300	5.33274700	12.04215400 L
C-C_R	-6.22335000	8.21804500	10.21560600 L
C-C_R	-5.18316700	6.04348300	10.28836600 L
C-C_R	-6.50627300	5.43653200	13.07631500 L
C-C_R	-8.33235300	4.25626500	12.02974000 L

H-H_	-7.08328800	8.85061800	10.39856900 L
C-C_R	-5.04967000	8.75597500	9.71052800 L
H-H_	-5.24389200	4.98399800	10.50568100 L
C-C_R	-4.01285700	6.59262600	9.79049300 L
H-H_	-5.82399100	6.27874200	13.09615400 L
C-C_R	-6.46316900	4.47444300	14.07301600 L
H-H_	-9.05298300	4.16931500	11.22616400 L
C-C_R	-8.28865300	3.30690400	13.03980700 L
H-H_	-5.00205100	9.81906100	9.50271400 L
C-C_R	-3.93669400	7.95115200	9.49722500 L
H-H_	-3.15457800	5.95139000	9.62273500 L
C-C_R	-7.35373400	3.40673900	14.06350900 L
H-H_	-5.73681900	4.56917300	14.87132300 L
H-H_	-8.98642900	2.47850000	13.01746200 L
H-H_	-3.01689600	8.37540000	9.11276300 L
H-H_	-7.32172400	2.66121200	14.84828500 L
C-C_R	-27.54855500	3.93481000	1.57463700 L
H-H_	-26.79629100	3.17563700	1.39342900 L
C-C_R	-29.46029900	5.19335700	0.85539900 L
H-H_	-30.20312700	5.43325700	0.10361700 L
C-C_R	-28.49969600	4.22037600	0.60267100 L
H-H_	-28.49099900	3.69245500	-0.34427200 L
C-C_R	-27.55838200	4.60312300	2.78933100 L
C-C_R	-28.51738100	5.58741600	3.04019500 L
H-H_	-26.82273900	4.36912300	3.54980700 L
N-N_R	-28.52587400	6.27624100	4.27106000 L
C-C_R	-29.46878400	5.87986600	2.05988900 L
C-C_R	-27.31772500	6.68586000	4.85839600 L
C-C_R	-29.75119300	6.57370400	4.90043500 L
H-H_	-30.20836100	6.64881800	2.24805300 L
C-C_R	-27.14757400	6.62136300	6.24602400 L
C-C_R	-26.26167700	7.16006100	4.07307700 L
C-C_R	-30.78100500	5.62910600	4.92857200 L
C-C_R	-29.95485100	7.81977100	5.49911900 L
H-H_	-27.94348600	6.22087500	6.86134600 L
C-C_R	-25.96906000	7.04848500	6.82931200 L
H-H_	-26.37744800	7.21043500	2.99730100 L
C-C_R	-25.07932800	7.56360400	4.66196100 L
C-C_R	-31.98857000	5.93232100	5.53731400 L
H-H_	-30.62356500	4.65951900	4.47216200 L
H-H_	-29.16305800	8.55887700	5.47249600 L
C-C_R	-31.16194300	8.11003400	6.11658100 L
C-C_R	-24.91669700	7.54295000	6.05112300 L
H-H_	-25.85632200	6.97003400	7.90322900 L

H-H_	-24.25864200	7.91347200	4.04832200 L
H-H_	-32.77722900	5.18847700	5.55237300 L
C-C_R	-32.18794400	7.17036900	6.13715900 L
H-H_	-31.30450100	9.08322600	6.57226200 L
C-C_R	-23.62660000	7.95502900	6.63216200 L
H-H_	-33.13325800	7.40269800	6.61331900 L
N-N_R	-22.56119900	7.67292600	5.89780900 L
C-C_R	-23.46669400	8.58135600	7.91083900 L
C-C_R	-21.34897000	7.87270500	6.41431600 L
N-N_R	-22.26938500	8.69421700	8.45571100 L
C-C_R	-24.56781300	9.17600800	8.69459600 L
C-C_R	-21.19349400	8.31392800	7.75041600 L
C-C_R	-20.17901300	7.60220000	5.64128800 L
C-C_R	-25.64214200	9.84058000	8.09406100 L
C-C_R	-24.50218800	9.15436200	10.09030000 L
C-C_R	-19.89645000	8.40984600	8.32709900 L
C-C_R	-18.93294600	7.72503900	6.21301400 L
C-C_R	-20.31276700	7.16824300	4.29071700 L
C-C_R	-26.62824400	10.43519300	8.85798900 L
H-H_	-25.69383900	9.91857200	7.01569100 L
H-H_	-23.65569400	8.67301100	10.56431400 L
C-C_R	-25.49647000	9.72577000	10.86195000 L
C-C_R	-18.75583500	8.09189500	7.56546900 L
C-C_R	-19.80171700	8.89985600	9.65753300 L
H-H_	-18.06174600	7.48529700	5.61793700 L
N-N_R	-20.39552200	6.81281100	3.19116400 L
H-H_	-27.44236600	10.96358400	8.37754300 L
C-C_R	-26.58014000	10.37062300	10.25442200 L
H-H_	-25.44267000	9.67383300	11.94197700 L
N-N_R	-19.72261900	9.30189600	10.74279500 L
N-N_R	-27.59866800	10.94894800	11.02894600 L
C-C_R	-28.94062700	10.86189600	10.60525400 L
C-C_R	-27.28857500	11.59619600	12.24247400 L
C-C_R	-29.43340000	9.67757900	10.05349400 L
C-C_R	-29.79577600	11.95844400	10.73831200 L
C-C_R	-28.10508000	11.42566200	13.36306400 L
C-C_R	-26.15895400	12.41367400	12.33938400 L
H-H_	-28.77462800	8.82213900	9.95547700 L
C-C_R	-30.75448600	9.59530700	9.63920800 L
H-H_	-29.41633800	12.88052700	11.16132500 L
C-C_R	-31.11940900	11.86390700	10.33484700 L
H-H_	-28.97663200	10.78610900	13.29485700 L
C-C_R	-27.79999800	12.07121100	14.55232300 L
H-H_	-25.52674900	12.55192300	11.47097800 L

C-C_R	-25.85315400	13.03921100	13.53764200 L
H-H_	-31.11968800	8.66664800	9.21643500 L
C-C_R	-31.60638300	10.68517600	9.77960200 L
H-H_	-31.77126000	12.72254500	10.44320100 L
C-C_R	-26.67099400	12.87761700	14.64910500 L
H-H_	-28.44210400	11.92935400	15.41338400 L
H-H_	-24.97224700	13.66796200	13.59663800 L
H-H_	-32.64046500	10.61566300	9.46433800 L
H-H_	-26.43145500	13.37315900	15.58311500 L
C-C_R	19.04701000	15.57115900	3.26249400 L
H-H_	18.09854000	16.09247900	3.32401300 L
C-C_R	21.09099200	15.08175900	2.09354600 L
H-H_	21.73374200	15.20482900	1.22954600 L
C-C_R	19.87226100	15.75041500	2.15782400 L
H-H_	19.56619000	16.40446700	1.34930000 L
C-C_R	19.43097800	14.73746600	4.29837400 L
C-C_R	20.65500700	14.06013800	4.23216700 L
H-H_	18.79538600	14.61025300	5.16592500 L
N-N_R	21.04376000	13.20458300	5.27683100 L
C-C_R	21.48429600	14.23757100	3.11723200 L
C-C_R	20.08788200	12.39804200	5.91380000 L
C-C_R	22.38771500	13.14589800	5.68052100 L
H-H_	22.42137300	13.69862800	3.05699100 L
C-C_R	20.13624000	12.20985200	7.29955000 L
C-C_R	19.07052000	11.78359900	5.17153500 L
C-C_R	23.16193200	14.31169800	5.73400900 L
C-C_R	22.96051800	11.92001300	6.03558800 L
H-H_	20.89255300	12.72200100	7.88317400 L
C-C_R	19.20329400	11.40454400	7.92242700 L
H-H_	19.02965500	11.92477600	4.09857800 L
C-C_R	18.13722600	10.98920000	5.80558700 L
C-C_R	24.48722400	14.24223600	6.12866800 L
H-H_	22.71198700	15.26308500	5.47765400 L
H-H_	22.36630500	11.01693100	5.98180100 L
C-C_R	24.28631600	11.86519200	6.43476300 L
C-C_R	18.20086300	10.76392100	7.18542200 L
H-H_	19.23431000	11.28791000	8.99796600 L
H-H_	17.33721400	10.52685700	5.24142700 L
H-H_	25.07517900	15.15199500	6.17413200 L
C-C_R	25.05580500	13.02248400	6.48137500 L
H-H_	24.72143500	10.90928100	6.70079900 L
C-C_R	17.15567600	9.93644100	7.82985200 L
H-H_	26.09388500	12.97616300	6.78974700 L
N-N_R	15.94703700	10.09443500	7.30783400 L

C-C_R	17.36822600	9.08902600	8.94180700 L
C-C_R	14.90303200	9.51840400	7.91373600 L
N-N_R	16.32280800	8.58687100	9.60154500 L
C-C_R	18.68925200	8.66000700	9.43730000 L
C-C_R	15.10100800	8.81126300	9.13367500 L
C-C_R	13.59605300	9.65354600	7.36586600 L
C-C_R	19.76806800	8.41415800	8.57991900 L
C-C_R	18.86171800	8.41165600	10.80402600 L
C-C_R	13.95343900	8.31471800	9.83182900 L
C-C_R	12.48196300	9.11360400	8.04728900 L
C-C_R	13.46462300	10.40573900	6.17023800 L
C-C_R	20.98418900	7.98012500	9.06952800 L
H-H_	19.64293500	8.53299000	7.51022600 L
H-H_	18.02087000	8.56075500	11.46902200 L
C-C_R	20.07851900	7.98767400	11.30371000 L
C-C_R	12.69534300	8.48330500	9.28808900 L
C-C_R	14.12705100	7.61816500	11.05803500 L
N-N_R	13.36654500	11.02118300	5.19056800 L
H-H_	21.80309900	7.77016200	8.39239000 L
C-C_R	21.16019400	7.77449200	10.44262900 L
H-H_	20.20125500	7.82208000	12.36761200 L
H-H_	11.84654500	8.07176600	9.81716200 L
N-N_R	14.25567200	7.04693200	12.05813600 L
N-N_R	22.40126000	7.34328600	10.94242300 L
C-C_R	23.59065700	7.88885900	10.42697300 L
C-C_R	22.45084000	6.36921700	11.95996900 L
C-C_R	23.66857300	9.25451600	10.13342000 L
C-C_R	24.70875700	7.07995300	10.20618100 L
C-C_R	23.38565000	6.47300200	12.99413000 L
C-C_R	21.55957100	5.29273500	11.94755400 L
H-H_	22.80863500	9.88708900	10.31638400 L
C-C_R	24.84225400	9.79244500	9.62834300 L
H-H_	24.64803100	6.02046900	10.42349500 L
C-C_R	25.87906600	7.62909600	9.70830800 L
H-H_	24.06793200	7.31521300	13.01396800 L
C-C_R	23.42875400	5.51091300	13.99083100 L
H-H_	20.83894000	5.20578500	11.14397900 L
C-C_R	21.60327100	4.34337400	12.95762100 L
H-H_	24.88987200	10.85553100	9.42052800 L
C-C_R	25.95523000	8.98762200	9.41503900 L
H-H_	26.73734500	6.98786100	9.54054900 L
C-C_R	22.53818900	4.44320900	13.98132300 L
H-H_	24.15510400	5.60564300	14.78913700 L
H-H_	20.90549400	3.51497000	12.93527700 L

H-H_	26.87502800	9.41187100	9.03057800 L
H-H_	22.57019900	3.69768200	14.76609900 L
C-C_R	2.34336800	4.97128000	1.49245200 L
H-H_	3.09563200	4.21210800	1.31124300 L
C-C_R	0.43162400	6.22982700	0.77321300 L
H-H_	-0.31120400	6.46972700	0.02143100 L
C-C_R	1.39222700	5.25684600	0.52048500 L
H-H_	1.40092400	4.72892500	-0.42645800 L
C-C_R	2.33354100	5.63959400	2.70714600 L
C-C_R	1.37454200	6.62388600	2.95800900 L
H-H_	3.06918400	5.40559300	3.46762100 L
N-N_R	1.36604900	7.31271100	4.18887500 L
C-C_R	0.42313900	6.91633700	1.97770400 L
C-C_R	2.57419900	7.72233000	4.77621000 L
C-C_R	0.14073000	7.61017400	4.81824900 L
H-H_	-0.31643700	7.68528800	2.16586800 L
C-C_R	2.74434900	7.65783400	6.16383900 L
C-C_R	3.63024600	8.19653200	3.99089100 L
C-C_R	-0.88908200	6.66557700	4.84638600 L
C-C_R	-0.06292800	8.85624100	5.41693300 L
H-H_	1.94843700	7.25734500	6.77916100 L
C-C_R	3.92286300	8.08495600	6.74712600 L
H-H_	3.51447500	8.24690600	2.91511600 L
C-C_R	4.81259500	8.60007500	4.57977600 L
C-C_R	-2.09664700	6.96879100	5.45512900 L
H-H_	-0.73164200	5.69599000	4.38997700 L
H-H_	0.72886500	9.59534700	5.39031100 L
C-C_R	-1.27001900	9.14650500	6.03439600 L
C-C_R	4.97522600	8.57942000	5.96893700 L
H-H_	4.03560100	8.00650400	7.82104300 L
H-H_	5.63328100	8.94994300	3.96613700 L
H-H_	-2.88530500	6.22494800	5.47018700 L
C-C_R	-2.29602100	8.20683900	6.05497300 L
H-H_	-1.41157800	10.11973100	6.49007400 L
C-C_R	6.26632200	8.99153400	6.54997400 L
H-H_	-3.24133500	8.43916800	6.53113400 L
N-N_R	7.33072500	8.70939600	5.81562400 L
C-C_R	6.42522900	9.61782700	7.82865300 L
C-C_R	8.54395300	8.90921000	6.33212700 L
N-N_R	7.62253900	9.73068800	8.37352500 L
C-C_R	5.32411000	10.21247900	8.61241100 L
C-C_R	8.69842900	9.35039800	7.66823100 L
C-C_R	9.71291000	8.63867000	5.55910200 L
C-C_R	4.24978200	10.87705100	8.01187600 L

C-C_R	5.38973500	10.19083300	10.00811400 L
C-C_R	9.99547400	9.44631600	8.24491300 L
C-C_R	10.95897800	8.76151000	6.13082800 L
C-C_R	9.57915600	8.20471300	4.20853200 L
C-C_R	3.26368000	11.47166300	8.77580400 L
H-H_	4.19808500	10.95504200	6.93350500 L
H-H_	6.23623000	9.70948100	10.48212800 L
C-C_R	4.39545400	10.76224000	10.77976400 L
C-C_R	11.13608800	9.12836500	7.48328400 L
C-C_R	10.09120600	9.93636100	9.57534500 L
H-H_	11.83017700	8.52176700	5.53575200 L
N-N_R	9.49640200	7.84928100	3.10897900 L
H-H_	2.45055700	12.00008900	8.29535400 L
C-C_R	3.31178300	11.40709300	10.17223700 L
H-H_	4.44925400	10.71030300	11.85979100 L
N-N_R	10.17030400	10.33840100	10.66060600 L
N-N_R	2.29325500	11.98541800	10.94676100 L
C-C_R	0.95129700	11.89836700	10.52306800 L
C-C_R	2.60334800	12.63266600	12.16028900 L
C-C_R	0.45852300	10.71404900	9.97130800 L
C-C_R	0.09614700	12.99491500	10.65612700 L
C-C_R	1.78684300	12.46213200	13.28087800 L
C-C_R	3.73296900	13.45014400	12.25719800 L
H-H_	1.11729500	9.85860900	9.87329100 L
C-C_R	-0.86156400	10.63181200	9.55702000 L
H-H_	0.47558600	13.91699700	11.07914000 L
C-C_R	-1.22748600	12.90037700	10.25266100 L
H-H_	0.91529100	11.82258000	13.21267200 L
C-C_R	2.09192500	13.10768200	14.47013700 L
H-H_	4.36517400	13.58839300	11.38879200 L
C-C_R	4.03877000	14.07568100	13.45545600 L
H-H_	-1.22776500	9.70311800	9.13425000 L
C-C_R	-1.71445900	11.72164700	9.69741700 L
H-H_	-1.87933600	13.75901500	10.36101600 L
C-C_R	3.22092900	13.91408700	14.56691900 L
H-H_	1.44981900	12.96582400	15.33119900 L
H-H_	4.91967600	14.70443200	13.51445300 L
H-H_	-2.74854200	11.65213300	9.38215300 L
H-H_	3.46046800	14.40962900	15.50092900 L
C-C_R	-10.89571600	15.34507300	-4.54866700 L
H-H_	-11.84318600	15.86642700	-4.48715100 L
C-C_R	-8.85073400	14.85570700	-5.71761800 L
H-H_	-8.20798400	14.97877700	-6.58161800 L
C-C_R	-10.06946400	15.52436300	-5.65334000 L

H-H_	-10.37553600	16.17841600	-6.46186300 L
C-C_R	-10.51174700	14.51138000	-3.51278700 L
C-C_R	-9.28771800	13.83405100	-3.57899400 L
H-H_	-11.14633400	14.38409900	-2.64424500 L
N-N_R	-8.89796600	12.97853100	-2.53433300 L
C-C_R	-8.45742300	14.01141700	-4.69293700 L
C-C_R	-9.85384400	12.17199000	-1.89736400 L
C-C_R	-7.55400400	12.91974400	-2.12964800 L
H-H_	-7.52035300	13.47257700	-4.75417300 L
C-C_R	-9.80647900	11.98366400	-0.51061600 L
C-C_R	-10.87120600	11.55754700	-2.63962900 L
C-C_R	-6.77979400	14.08564600	-2.07715500 L
C-C_R	-6.98120800	11.69396100	-1.77557600 L
H-H_	-9.04917200	12.49594900	0.07201000 L
C-C_R	-10.73843200	11.17849300	0.11126300 L
H-H_	-10.91307100	11.69868900	-3.71258300 L
C-C_R	-11.80450000	10.76314800	-2.00557700 L
C-C_R	-5.45450200	14.01618400	-1.68249600 L
H-H_	-7.22973900	15.03703400	-2.33351000 L
H-H_	-7.57542000	10.79087900	-1.82936300 L
C-C_R	-5.65541000	11.63914000	-1.37640100 L
C-C_R	-11.74086300	10.53786900	-0.62574200 L
H-H_	-10.70741600	11.06185800	1.18680200 L
H-H_	-12.60451200	10.30080500	-2.56973700 L
H-H_	-4.86654100	14.92584100	-1.63603700 L
C-C_R	-4.88592100	12.79643200	-1.32978900 L
H-H_	-5.22029100	10.68322900	-1.11036500 L
C-C_R	-12.78604900	9.71039000	0.01868800 L
H-H_	-3.84884000	12.75007700	-1.02141400 L
N-N_R	-13.99468900	9.86838300	-0.50333000 L
C-C_R	-12.57350000	8.86297400	1.13064300 L
C-C_R	-15.03868800	9.29225000	0.10356700 L
N-N_R	-13.61891800	8.36081900	1.79038100 L
C-C_R	-11.25246700	8.43385300	1.62713000 L
C-C_R	-14.84071800	8.58521100	1.32251100 L
C-C_R	-16.34567300	9.42749500	-0.44529800 L
C-C_R	-10.17365200	8.18800400	0.76975000 L
C-C_R	-11.08000800	8.18560400	2.99286200 L
C-C_R	-15.98828600	8.08866600	2.02066500 L
C-C_R	-17.45976300	8.88755200	0.23612500 L
C-C_R	-16.47710300	10.17968700	-1.64092600 L
C-C_R	-8.95753100	7.75397100	1.25935800 L
H-H_	-10.29879100	8.30693800	-0.30093800 L
H-H_	-11.92085500	8.33470400	3.65785800 L

C-C_R	-9.86320700	7.76162200	3.49254600 L
C-C_R	-17.24637700	8.25715100	1.47792000 L
C-C_R	-15.81467400	7.39211300	3.24687100 L
N-N_R	-16.57517500	10.79502900	-2.61960100 L
H-H_	-8.13862700	7.54411100	0.58122600 L
C-C_R	-8.78153200	7.54844000	2.63146500 L
H-H_	-9.74047100	7.59602800	4.55644800 L
H-H_	-18.09618000	7.84567900	2.00600100 L
N-N_R	-15.68605400	6.82088100	4.24697200 L
N-N_R	-7.54146500	7.11720000	3.13126200 L
C-C_R	-6.35206900	7.66277200	2.61581100 L
C-C_R	-7.49087900	6.14306300	4.14980000 L
C-C_R	-6.27314700	9.02836200	2.32325100 L
C-C_R	-5.23296900	6.85390100	2.39501700 L
C-C_R	-6.55607600	6.24695000	5.18296600 L
C-C_R	-8.38214900	5.06658100	4.13738500 L
H-H_	-7.13309000	9.66103700	2.50522000 L
C-C_R	-5.09946600	9.56629100	1.81817300 L
H-H_	-5.29369400	5.79441700	2.61233100 L
C-C_R	-4.06265900	7.40304400	1.89714400 L
H-H_	-5.87379400	7.08916100	5.20280400 L
C-C_R	-6.51297200	5.28486200	6.17966700 L
H-H_	-9.10278600	4.97973300	3.33281500 L
C-C_R	-8.33845500	4.11732200	5.14645700 L
H-H_	-5.05185400	10.62947900	1.60936400 L
C-C_R	-3.98649600	8.76157000	1.60387500 L
H-H_	-3.20438100	6.76180900	1.72938500 L
C-C_R	-7.40353700	4.21715700	6.17015900 L
H-H_	-5.78662200	5.37959100	6.97797300 L
H-H_	-9.03623200	3.28891800	5.12411300 L
H-H_	-3.06669800	9.18581900	1.21941400 L
H-H_	-7.37152600	3.47163000	6.95493500 L
C-C_R	-27.59835800	4.74522800	-6.31871200 L
H-H_	-26.84609300	3.98605600	-6.49992100 L
C-C_R	-29.51010200	6.00377500	-7.03795100 L
H-H_	-30.25293000	6.24367500	-7.78973300 L
C-C_R	-28.54949900	5.03079400	-7.29067900 L
H-H_	-28.54079500	4.50277100	-8.23662700 L
C-C_R	-27.60818500	5.41354200	-5.10401800 L
C-C_R	-28.56718400	6.39783400	-4.85315500 L
H-H_	-26.87254200	5.17954200	-4.34354300 L
N-N_R	-28.57567000	7.08655700	-3.62129500 L
C-C_R	-29.51858700	6.69028500	-5.83346000 L
C-C_R	-27.36752700	7.49627800	-3.03495400 L

C-C_R	-29.80099000	7.38402100	-2.99192000 L
H-H_	-30.25816300	7.45923700	-5.64529600 L
C-C_R	-27.19737700	7.43178200	-1.64732500 L
C-C_R	-26.31147900	7.97048000	-3.82027300 L
C-C_R	-30.83080800	6.43952500	-2.96477700 L
C-C_R	-30.00465400	8.63019000	-2.39423100 L
H-H_	-27.99328200	7.03119100	-1.03100800 L
C-C_R	-26.01886300	7.85890400	-1.06403800 L
H-H_	-26.42725100	8.02085400	-4.89604800 L
C-C_R	-25.12913100	8.37402300	-3.23138800 L
C-C_R	-32.03837200	6.74274000	-2.35603500 L
H-H_	-30.67336800	5.46993800	-3.42118700 L
H-H_	-29.21286100	9.36929600	-2.42085300 L
C-C_R	-31.21174500	8.92045300	-1.77676800 L
C-C_R	-24.96650000	8.35336800	-1.84222700 L
H-H_	-25.90612500	7.78045200	0.00987900 L
H-H_	-24.30844500	8.72389100	-3.84502700 L
H-H_	-32.82702500	5.99879400	-2.33998200 L
C-C_R	-32.23774700	7.98078700	-1.75619100 L
H-H_	-31.35429700	9.89354200	-1.32009300 L
C-C_R	-23.67640300	8.76544800	-1.26118700 L
H-H_	-33.18306000	8.21311600	-1.28003000 L
N-N_R	-22.61100100	8.48334400	-1.99554000 L
C-C_R	-23.51649100	9.39167300	0.01848400 L
C-C_R	-21.39877200	8.68312400	-1.47903400 L
N-N_R	-22.31918700	9.50463600	0.56236100 L
C-C_R	-24.61761500	9.98642700	0.80124700 L
C-C_R	-21.24329000	9.12424400	-0.14193900 L
C-C_R	-20.22881600	8.41261900	-2.25206200 L
C-C_R	-25.69194400	10.65099900	0.20071200 L
C-C_R	-24.55199100	9.96478100	2.19695000 L
C-C_R	-19.94625200	9.22026400	0.43374900 L
C-C_R	-18.98274200	8.53535600	-1.67934100 L
C-C_R	-20.36257000	7.97866100	-3.60263200 L
C-C_R	-26.67804600	11.24561100	0.96464000 L
H-H_	-25.74364100	10.72899100	-0.87765900 L
H-H_	-23.70549600	9.48342900	2.67096400 L
C-C_R	-25.54627200	10.53618800	2.96860000 L
C-C_R	-18.80563800	8.90231400	-0.32788000 L
C-C_R	-19.85151900	9.71027400	1.76418400 L
H-H_	-18.11154900	8.29571500	-2.27541200 L
N-N_R	-20.44532400	7.62323000	-4.70218500 L
H-H_	-27.49216900	11.77400200	0.48419300 L
C-C_R	-26.62993600	11.18093900	2.36206800 L

H-H_	-25.49247200	10.48425100	4.04862700 L
N-N_R	-19.77242100	10.11231500	2.84944500 L
N-N_R	-27.64847100	11.75936600	3.13559700 L
C-C_R	-28.99042900	11.67231500	2.71190400 L
C-C_R	-27.33837100	12.40651200	4.35012000 L
C-C_R	-29.48320300	10.48799700	2.16014400 L
C-C_R	-29.84557300	12.76876100	2.84595800 L
C-C_R	-28.15488300	12.23608000	5.46971400 L
C-C_R	-26.20875700	13.22409200	4.44603500 L
H-H_	-28.82443100	9.63255700	2.06212700 L
C-C_R	-30.80428300	10.40562300	1.74685300 L
H-H_	-29.46614000	13.69094500	3.26797600 L
C-C_R	-31.16921200	12.67432500	2.44149700 L
H-H_	-29.02643400	11.59652800	5.40150800 L
C-C_R	-27.84979400	12.88152800	6.65996800 L
H-H_	-25.57655200	13.36234200	3.57762800 L
C-C_R	-25.90295600	13.84962900	5.64429200 L
H-H_	-31.16949000	9.47706600	1.32308600 L
C-C_R	-31.65618500	11.49559500	1.88625300 L
H-H_	-31.82106200	13.53296300	2.54985200 L
C-C_R	-26.72079000	13.68793300	6.75675000 L
H-H_	-28.49190100	12.73967000	7.52103000 L
H-H_	-25.02205000	14.47838100	5.70328900 L
H-H_	-32.69026800	11.42608100	1.57098900 L
H-H_	-26.48125700	14.18357800	7.68976500 L
C-C_R	18.99720700	16.38157800	-4.63085600 L
H-H_	18.04873800	16.90289700	-4.56933600 L
C-C_R	21.04119000	15.89217700	-5.79980400 L
H-H_	21.68393900	16.01524800	-6.66380300 L
C-C_R	19.82245900	16.56083400	-5.73552600 L
H-H_	19.51638700	17.21488600	-6.54404900 L
C-C_R	19.38117500	15.54788500	-3.59497500 L
C-C_R	20.60520500	14.87055700	-3.66118200 L
H-H_	18.74559000	15.42057000	-2.72643000 L
N-N_R	20.99395800	14.01500100	-2.61651800 L
C-C_R	21.43450000	15.04788800	-4.77512300 L
C-C_R	20.03807900	13.20846100	-1.97954900 L
C-C_R	22.33791900	13.95621500	-2.21183300 L
H-H_	22.37157100	14.50904700	-4.83635900 L
C-C_R	20.08644400	13.02016900	-0.59280400 L
C-C_R	19.02071700	12.59401700	-2.72181500 L
C-C_R	23.11212900	15.12211600	-2.15934100 L
C-C_R	22.91071500	12.73043200	-1.85776200 L
H-H_	20.84275100	13.53241900	-0.01017600 L

C-C_R	19.15349200	12.21496300	0.02907800 L
H-H_	18.97985200	12.73519400	-3.79477100 L
C-C_R	18.08742400	11.79961800	-2.08776200 L
C-C_R	24.43742200	15.05265500	-1.76468200 L
H-H_	22.66218500	16.07350400	-2.41569500 L
H-H_	22.31650300	11.82734900	-1.91154800 L
C-C_R	24.23651300	12.67561100	-1.45858700 L
C-C_R	18.15106000	11.57433900	-0.70792700 L
H-H_	19.18450700	12.09832800	1.10461700 L
H-H_	17.28741100	11.33727500	-2.65192300 L
H-H_	25.02538200	15.96231100	-1.71822300 L
C-C_R	25.00600300	13.83290200	-1.41197500 L
H-H_	24.67163200	11.71970000	-1.19255000 L
C-C_R	17.10587400	10.74686000	-0.06349700 L
H-H_	26.04408200	13.78658200	-1.10360200 L
N-N_R	15.89723400	10.90485400	-0.58551500 L
C-C_R	17.31842300	9.89944500	1.04845700 L
C-C_R	14.85323500	10.32872000	0.02138100 L
N-N_R	16.27300500	9.39728900	1.70819500 L
C-C_R	18.63945600	9.47032400	1.54494500 L
C-C_R	15.05120500	9.62168200	1.24032500 L
C-C_R	13.54625100	10.46396500	-0.52748400 L
C-C_R	19.71827200	9.22447500	0.68756400 L
C-C_R	18.81191600	9.22207400	2.91067700 L
C-C_R	13.90363700	9.12513700	1.93847900 L
C-C_R	12.43216000	9.92402300	0.15394000 L
C-C_R	13.41482000	11.21615700	-1.72311200 L
C-C_R	20.93439200	8.79044200	1.17717300 L
H-H_	19.59313300	9.34340800	-0.38312300 L
H-H_	17.97106800	9.37117400	3.57567300 L
C-C_R	20.02871600	8.79809300	3.41036100 L
C-C_R	12.64554700	9.29362100	1.39573400 L
C-C_R	14.07724900	8.42858400	3.16468600 L
N-N_R	13.31674800	11.83150000	-2.70178700 L
H-H_	21.75329600	8.58058100	0.49904000 L
C-C_R	21.11039100	8.58491000	2.54927900 L
H-H_	20.15145200	8.63249900	4.47426200 L
H-H_	11.79674200	8.88218400	1.92381300 L
N-N_R	14.20586900	7.85735100	4.16478700 L
N-N_R	22.35145700	8.15370500	3.04907300 L
C-C_R	23.54085400	8.69927700	2.53362300 L
C-C_R	22.40104400	7.17953400	4.06761400 L
C-C_R	23.61877700	10.06483200	2.24106500 L
C-C_R	24.65895400	7.89037200	2.31283100 L

C-C_R	23.33584800	7.28342000	5.10078000 L
C-C_R	21.50977400	6.10305200	4.05519900 L
H-H_	22.75883300	10.69750700	2.42303400 L
C-C_R	24.79245700	10.60276200	1.73598800 L
H-H_	24.59822900	6.83088700	2.53014600 L
C-C_R	25.82926400	8.43951500	1.81495800 L
H-H_	24.01812900	8.12563100	5.12061900 L
C-C_R	23.37895200	6.32133200	6.09748100 L
H-H_	20.78913800	6.01620400	3.25062900 L
C-C_R	21.55346800	5.15379300	5.06427200 L
H-H_	24.84007000	11.66595000	1.52717900 L
C-C_R	25.90542700	9.79804100	1.52169000 L
H-H_	26.68754200	7.79827900	1.64720000 L
C-C_R	22.48838600	5.25362800	6.08797400 L
H-H_	24.10530200	6.41606200	6.89578800 L
H-H_	20.85569200	4.32538900	5.04192700 L
H-H_	26.82522500	10.22228900	1.13722800 L
H-H_	22.52039700	4.50810100	6.87275000 L
C-C_R	2.29356600	5.78169900	-6.40089800 L
H-H_	3.04583000	5.02252600	-6.58210600 L
C-C_R	0.38182100	7.04024600	-7.12013600 L
H-H_	-0.36100600	7.28014600	-7.87191900 L
C-C_R	1.34242400	6.06726500	-7.37286400 L
H-H_	1.35112800	5.53924200	-8.31881200 L
C-C_R	2.28373800	6.45001200	-5.18620400 L
C-C_R	1.32473900	7.43430500	-4.93534000 L
H-H_	3.01938100	6.21601200	-4.42572800 L
N-N_R	1.31625300	8.12302700	-3.70348000 L
C-C_R	0.37333600	7.72675500	-5.91564600 L
C-C_R	2.52439600	8.53274900	-3.11714000 L
C-C_R	0.09093400	8.42049100	-3.07410600 L
H-H_	-0.36624000	8.49570700	-5.72748200 L
C-C_R	2.69454700	8.46825200	-1.72951100 L
C-C_R	3.58044400	9.00695000	-3.90245900 L
C-C_R	-0.93888500	7.47599500	-3.04696300 L
C-C_R	-0.11273100	9.66666000	-2.47641600 L
H-H_	1.89864100	8.06766200	-1.11319400 L
C-C_R	3.87306100	8.89537400	-1.14622300 L
H-H_	3.46467200	9.05732400	-4.97823400 L
C-C_R	4.76279300	9.41049300	-3.31357400 L
C-C_R	-2.14644900	7.77921000	-2.43822100 L
H-H_	-0.78144500	6.50640800	-3.50337300 L
H-H_	0.67906200	10.40576600	-2.50303900 L
C-C_R	-1.31982200	9.95692300	-1.85895400 L

C-C_R	4.92542400	9.38983900	-1.92441200 L
H-H_	3.98579800	8.81692300	-0.07230600 L
H-H_	5.58347800	9.76036100	-3.92721300 L
H-H_	-2.93510200	7.03526400	-2.42216700 L
C-C_R	-2.34582300	9.01725800	-1.83837600 L
H-H_	-1.46137400	10.93004700	-1.40228100 L
C-C_R	6.21652000	9.80195300	-1.34337600 L
H-H_	-3.29113700	9.24958700	-1.36221600 L
N-N_R	7.28092200	9.51981500	-2.07772600 L
C-C_R	6.37543200	10.42814300	-0.06370200 L
C-C_R	8.49415000	9.71962900	-1.56122200 L
N-N_R	7.57273600	10.54110600	0.48017600 L
C-C_R	5.27430800	11.02289700	0.71906100 L
C-C_R	8.64863300	10.16071400	-0.22412400 L
C-C_R	9.66310800	9.44908900	-2.33424700 L
C-C_R	4.19997900	11.68746900	0.11852600 L
C-C_R	5.33993300	11.00125100	2.11476500 L
C-C_R	9.94567100	10.25673500	0.35156400 L
C-C_R	10.90918100	9.57182600	-1.76152600 L
C-C_R	9.52935400	9.01513200	-3.68481800 L
C-C_R	3.21387700	12.28208200	0.88245400 L
H-H_	4.14828200	11.76546100	-0.95984400 L
H-H_	6.18642700	10.51990000	2.58877900 L
C-C_R	4.34565100	11.57265900	2.88641500 L
C-C_R	11.08628600	9.93878400	-0.41006600 L
C-C_R	10.04140300	10.74677900	1.68199600 L
H-H_	11.78037400	9.33218600	-2.35759800 L
N-N_R	9.44659900	8.65970000	-4.78437100 L
H-H_	2.40075400	12.81050700	0.40200500 L
C-C_R	3.26198700	12.21741000	2.27988200 L
H-H_	4.39945100	11.52072200	3.96644200 L
N-N_R	10.12050100	11.14882000	2.76725700 L
N-N_R	2.24345300	12.79583700	3.05341100 L
C-C_R	0.90149400	12.70878500	2.62971900 L
C-C_R	2.55355200	13.44298300	4.26793400 L
C-C_R	0.40872000	11.52446800	2.07795900 L
C-C_R	0.04635000	13.80523100	2.76377200 L
C-C_R	1.73704100	13.27255100	5.38752900 L
C-C_R	3.68316600	14.26056300	4.36384900 L
H-H_	1.06749300	10.66902800	1.97994200 L
C-C_R	-0.91136000	11.44212800	1.66466500 L
H-H_	0.42578300	14.72741600	3.18579000 L
C-C_R	-1.27728800	13.71079600	2.35931200 L
H-H_	0.86548900	12.63299800	5.31932200 L

C-C_R	2.04212900	13.91799800	6.57778300 L
H-H_	4.31537200	14.39881200	3.49544300 L
C-C_R	3.98896700	14.88610000	5.56210700 L
H-H_	-1.27756700	10.51353700	1.24090000 L
C-C_R	-1.76426200	12.53206500	1.80406700 L
H-H_	-1.92913900	14.56943400	2.46766600 L
C-C_R	3.17113300	14.72440300	6.67456500 L
H-H_	1.40002300	13.77614100	7.43884400 L
H-H_	4.86987400	15.51485100	5.62110300 L
H-H_	-2.79834400	12.46255200	1.48880300 L
H-H_	3.41066600	15.22004800	7.60758000 L
C-C_R	-10.94551800	16.15549100	-12.44201700 L
H-H_	-11.89298200	16.67674300	-12.37950600 L
C-C_R	-8.90053600	15.66612500	-13.61096800 L
H-H_	-8.25778700	15.78919600	-14.47496700 L
C-C_R	-10.11926700	16.33478200	-13.54669000 L
H-H_	-10.42533200	16.98873200	-14.35421800 L
C-C_R	-10.56154300	15.32169600	-11.40514200 L
C-C_R	-9.33751400	14.64436800	-11.47134900 L
H-H_	-11.19613600	15.19451800	-10.53759400 L
N-N_R	-8.94776800	13.78894900	-10.42768200 L
C-C_R	-8.50722600	14.82183600	-12.58628700 L
C-C_R	-9.90364700	12.98240900	-9.79071300 L
C-C_R	-7.60380700	13.73016300	-10.02299700 L
H-H_	-7.57014900	14.28289300	-12.64652800 L
C-C_R	-9.85628100	12.79408200	-8.40396600 L
C-C_R	-10.92100900	12.36796500	-10.53297800 L
C-C_R	-6.82959700	14.89606500	-9.97050500 L
C-C_R	-7.03100400	12.50427800	-9.66793100 L
H-H_	-9.09897500	13.30636700	-7.82134000 L
C-C_R	-10.78823400	11.98891100	-7.78208600 L
H-H_	-10.96287300	12.50910800	-11.60593200 L
C-C_R	-11.85430200	11.57356600	-9.89892600 L
C-C_R	-5.50429800	14.82650100	-9.57485100 L
H-H_	-7.27954100	15.84745200	-10.22685900 L
H-H_	-7.62522300	11.60129800	-9.72271200 L
C-C_R	-5.70521300	12.44955900	-9.26975100 L
C-C_R	-11.79066600	11.34828800	-8.51909100 L
H-H_	-10.75721200	11.87217400	-6.70555300 L
H-H_	-12.65431400	11.11122300	-10.46308700 L
H-H_	-4.91634300	15.73625900	-9.52938700 L
C-C_R	-4.93572300	13.60685100	-9.22313900 L
H-H_	-5.27009400	11.49364800	-9.00371400 L
C-C_R	-12.83585200	10.52080800	-7.87466100 L

H-H_	-3.89864300	13.56049500	-8.91476300 L
N-N_R	-14.04449200	10.67880200	-8.39667900 L
C-C_R	-12.62330300	9.67339300	-6.76270700 L
C-C_R	-15.08849000	10.10266800	-7.78978300 L
N-N_R	-13.66872100	9.17123700	-6.10296900 L
C-C_R	-11.30227000	9.24427200	-6.26621900 L
C-C_R	-14.89052000	9.39563000	-6.57083800 L
C-C_R	-16.39547500	10.23791300	-8.33864800 L
C-C_R	-10.22345400	8.99842300	-7.12359900 L
C-C_R	-11.12981000	8.99602200	-4.90048700 L
C-C_R	-16.03808900	8.89908500	-5.87268500 L
C-C_R	-17.50956500	9.69797100	-7.65722400 L
C-C_R	-16.52690600	10.99010500	-9.53427600 L
C-C_R	-9.00733300	8.56439000	-6.63399100 L
H-H_	-10.34859300	9.11735600	-8.19428700 L
H-H_	-11.97065800	9.14512200	-4.23549100 L
C-C_R	-9.91301000	8.57204100	-4.40080300 L
C-C_R	-17.29617900	9.06756900	-6.41543000 L
C-C_R	-15.86447700	8.20253200	-4.64647800 L
N-N_R	-16.62497700	11.60544800	-10.51295100 L
H-H_	-8.18843000	8.35452900	-7.31212400 L
C-C_R	-8.83132800	8.35875600	-5.26089000 L
H-H_	-9.79027400	8.40644700	-3.33690200 L
H-H_	-18.14598300	8.65609800	-5.88734900 L
N-N_R	-15.73585000	7.63119700	-3.64538300 L
N-N_R	-7.59126800	7.92761800	-4.76208800 L
C-C_R	-6.40187100	8.47319100	-5.27753800 L
C-C_R	-7.54068200	6.95348200	-3.74355000 L
C-C_R	-6.32294900	9.83878000	-5.57009900 L
C-C_R	-5.28277200	7.66432000	-5.49833300 L
C-C_R	-6.60587800	7.05736900	-2.71038400 L
C-C_R	-8.43195100	5.87700000	-3.75596500 L
H-H_	-7.18289300	10.47145500	-5.38813000 L
C-C_R	-5.14926800	10.37671000	-6.07517600 L
H-H_	-5.34349100	6.60473300	-5.28002300 L
C-C_R	-4.11246200	8.21346300	-5.99620600 L
H-H_	-5.92359000	7.89947700	-2.68955000 L
C-C_R	-6.56277400	6.09528000	-1.71368300 L
H-H_	-9.15258800	5.79015200	-4.56053500 L
C-C_R	-8.38825800	4.92774100	-2.74689200 L
H-H_	-5.10165600	11.43989800	-6.28398500 L
C-C_R	-4.03629200	9.57188700	-6.28847900 L
H-H_	-3.25418300	7.57222700	-6.16396400 L
C-C_R	-7.45333900	5.02757600	-1.72319000 L

H-H_	-5.83642400	6.19001000	-0.91537600 L
H-H_	-9.08603400	4.09933700	-2.76923700 L
H-H_	-3.11650100	9.99623800	-6.67393600 L
H-H_	-7.42132300	4.28194700	-0.93741900 L
C-C_R	-27.64816000	5.55564700	-14.21206200 L
H-H_	-26.89589600	4.79647400	-14.39327000 L
C-C_R	-29.55990400	6.81419400	-14.93130000 L
H-H_	-30.30273200	7.05409400	-15.68308300 L
C-C_R	-28.59930200	5.84121300	-15.18402800 L
H-H_	-28.59059800	5.31319000	-16.12997600 L
C-C_R	-27.65798800	6.22396100	-12.99736800 L
C-C_R	-28.61698000	7.20815100	-12.74550900 L
H-H_	-26.92234500	5.98996000	-12.23689200 L
N-N_R	-28.62547300	7.89697600	-11.51464400 L
C-C_R	-29.56838900	7.50070300	-13.72681000 L
C-C_R	-27.41732400	8.30659500	-10.92730900 L
C-C_R	-29.85079200	8.19443900	-10.88527000 L
H-H_	-30.30796600	8.26965500	-13.53864600 L
C-C_R	-27.24717900	8.24220100	-9.54067500 L
C-C_R	-26.36128200	8.78089800	-11.71362300 L
C-C_R	-30.88060400	7.24984100	-10.85713200 L
C-C_R	-30.05445600	9.44060800	-10.28758000 L
H-H_	-28.04308500	7.84161000	-8.92435800 L
C-C_R	-26.06866500	8.66932300	-8.95738700 L
H-H_	-26.47705300	8.83127300	-12.78939800 L
C-C_R	-25.17893300	9.18444100	-11.12473800 L
C-C_R	-32.08816900	7.55305600	-10.24839000 L
H-H_	-30.72317000	6.28035600	-11.31453700 L
H-H_	-29.26266300	10.17971400	-10.31420300 L
C-C_R	-31.26154800	9.73087100	-9.67011800 L
C-C_R	-25.01629600	9.16368500	-9.73458100 L
H-H_	-25.95592800	8.59087100	-7.88347000 L
H-H_	-24.35824700	9.53431000	-11.73837700 L
H-H_	-32.87682700	6.80921200	-10.23333100 L
C-C_R	-32.28754900	8.79120600	-9.64954000 L
H-H_	-31.40410000	10.70396100	-9.21344200 L
C-C_R	-23.72620600	9.57586600	-9.15453700 L
H-H_	-33.23286300	9.02353500	-9.17338000 L
N-N_R	-22.66080400	9.29376300	-9.88889000 L
C-C_R	-23.56629300	10.20209100	-7.87486600 L
C-C_R	-21.44857500	9.49354200	-9.37238300 L
N-N_R	-22.36899000	10.31505500	-7.33098800 L
C-C_R	-24.66741800	10.79684500	-7.09210300 L
C-C_R	-21.29309300	9.93466300	-8.03528800 L

C-C_R	-20.27861800	9.22303700	-10.14541100 L
C-C_R	-25.74174700	11.46141800	-7.69263800 L
C-C_R	-24.60178700	10.77509700	-5.69540400 L
C-C_R	-19.99605500	10.03068300	-7.45960000 L
C-C_R	-19.03254400	9.34577400	-9.57269000 L
C-C_R	-20.41237200	8.78908000	-11.49598200 L
C-C_R	-26.72784200	12.05592800	-6.92771500 L
H-H_	-25.79344400	11.53940900	-8.77100800 L
H-H_	-23.75529900	10.29384800	-5.22238500 L
C-C_R	-25.59606800	11.34650500	-4.92375500 L
C-C_R	-18.85544000	9.71273200	-8.22123000 L
C-C_R	-19.90131600	10.52059100	-6.12817100 L
H-H_	-18.16134500	9.10603200	-10.16776700 L
N-N_R	-20.49512700	8.43364800	-12.59553500 L
H-H_	-27.54197100	12.58442100	-7.40915600 L
C-C_R	-26.67973900	11.99135800	-5.53128200 L
H-H_	-25.54226800	11.29456800	-3.84372800 L
N-N_R	-19.82222400	10.92273300	-5.04390400 L
N-N_R	-27.69827300	12.56978500	-4.75775300 L
C-C_R	-29.04023200	12.48273300	-5.18144500 L
C-C_R	-27.38817400	13.21693100	-3.54323000 L
C-C_R	-29.53300600	11.29841600	-5.73320500 L
C-C_R	-29.89537500	13.57917900	-5.04739200 L
C-C_R	-28.20467900	13.04639700	-2.42264000 L
C-C_R	-26.25855900	14.03451100	-3.44731500 L
H-H_	-28.87422700	10.44287400	-5.83022800 L
C-C_R	-30.85408500	11.21604200	-6.14649600 L
H-H_	-29.51594300	14.50136400	-4.62537400 L
C-C_R	-31.21901400	13.48474400	-5.45185200 L
H-H_	-29.07623100	12.40684400	-2.49084700 L
C-C_R	-27.89959700	13.69194600	-1.23338100 L
H-H_	-25.62635400	14.17276000	-4.31572100 L
C-C_R	-25.95275900	14.66004800	-2.24905700 L
H-H_	-31.21928700	10.28738300	-6.56926900 L
C-C_R	-31.70598100	12.30591100	-6.00610200 L
H-H_	-31.87086500	14.34338200	-5.34349800 L
C-C_R	-26.77059300	14.49835200	-1.13659900 L
H-H_	-28.54170300	13.55008900	-0.37232000 L
H-H_	-25.07184600	15.28869700	-2.18906600 L
H-H_	-32.74006400	12.23639800	-6.32136600 L
H-H_	-26.53106000	14.99399600	-0.20358400 L
C-C_R	18.94740500	17.19199600	-12.52420500 L
H-H_	17.99894100	17.71321400	-12.46169100 L
C-C_R	20.99138700	16.70259600	-13.69315300 L

H-H_	21.63413700	16.82566600	-14.55715300 L
C-C_R	19.77265600	17.37125200	-13.62887500 L
H-H_	19.46659100	18.02520200	-14.43640400 L
C-C_R	19.33137900	16.35820100	-11.48733000 L
C-C_R	20.55540800	15.68087300	-11.55353700 L
H-H_	18.69578700	16.23098800	-10.61978000 L
N-N_R	20.94415500	14.82542000	-10.50986800 L
C-C_R	21.38469700	15.85830600	-12.66847200 L
C-C_R	19.98827700	14.01887900	-9.87289900 L
C-C_R	22.28811700	14.76663300	-10.10518300 L
H-H_	22.32177400	15.31936300	-12.72871300 L
C-C_R	20.03664100	13.83058700	-8.48615400 L
C-C_R	18.97091500	13.40443600	-10.61516400 L
C-C_R	23.06232700	15.93253500	-10.05269000 L
C-C_R	22.86091900	13.54074800	-9.75011600 L
H-H_	20.79294800	14.34283800	-7.90352500 L
C-C_R	19.10368900	13.02538200	-7.86427200 L
H-H_	18.93004900	13.54561300	-11.68812100 L
C-C_R	18.03762100	12.61003700	-9.98111200 L
C-C_R	24.38762500	15.86297100	-9.65703600 L
H-H_	22.61238200	16.88392300	-10.30904500 L
H-H_	22.26670000	12.63776800	-9.80489800 L
C-C_R	24.18671000	13.48602900	-9.35193600 L
C-C_R	18.10125800	12.38475800	-8.60127700 L
H-H_	19.13471100	12.90864500	-6.78773800 L
H-H_	17.23760900	12.14769400	-10.54527200 L
H-H_	24.97558000	16.77273000	-9.61157200 L
C-C_R	24.95620000	14.64332100	-9.30532400 L
H-H_	24.62183000	12.53011800	-9.08590000 L
C-C_R	17.05607100	11.55727900	-7.95684700 L
H-H_	25.99428000	14.59700000	-8.99695200 L
N-N_R	15.84743100	11.71527200	-8.47886500 L
C-C_R	17.26862100	10.70986300	-6.84489200 L
C-C_R	14.80343300	11.13913900	-7.87196800 L
N-N_R	16.22320300	10.20770800	-6.18515400 L
C-C_R	18.58965300	10.28074200	-6.34840500 L
C-C_R	15.00140300	10.43210000	-6.65302400 L
C-C_R	13.49644800	11.27438400	-8.42083300 L
C-C_R	19.66846900	10.03489300	-7.20578500 L
C-C_R	18.76211300	10.03249300	-4.98267300 L
C-C_R	13.85383400	9.93555500	-5.95487000 L
C-C_R	12.38235800	10.73444100	-7.73941000 L
C-C_R	13.36501800	12.02657600	-9.61646100 L
C-C_R	20.88459000	9.60086000	-6.71617700 L

H-H_	19.54333000	10.15382700	-8.27647300 L
H-H_	17.92126500	10.18159300	-4.31767700 L
C-C_R	19.97891400	9.60851100	-4.48298900 L
C-C_R	12.59574400	10.10404000	-6.49761500 L
C-C_R	14.02744600	9.23900200	-4.72866400 L
N-N_R	13.26694600	12.64191800	-10.59513700 L
H-H_	21.70349400	9.39099900	-7.39430900 L
C-C_R	21.06059500	9.39522700	-5.34307600 L
H-H_	20.10164900	9.44291700	-3.41908700 L
H-H_	11.74694000	9.69260300	-5.96953700 L
N-N_R	14.15607300	8.66766700	-3.72756800 L
N-N_R	22.30165500	8.96412300	-4.84427600 L
C-C_R	23.49105100	9.50969600	-5.35972600 L
C-C_R	22.35124100	7.98995200	-3.82573500 L
C-C_R	23.56897400	10.87525000	-5.65228400 L
C-C_R	24.60915100	8.70079000	-5.58051800 L
C-C_R	23.28604500	8.09383900	-2.79256900 L
C-C_R	21.45997200	6.91347000	-3.83815000 L
H-H_	22.70903000	11.50792600	-5.47031500 L
C-C_R	24.74265500	11.41318000	-6.15736200 L
H-H_	24.54843200	7.64120400	-5.36220900 L
C-C_R	25.77946100	9.24993300	-6.07839200 L
H-H_	23.96833300	8.93594800	-2.77173600 L
C-C_R	23.32914900	7.13175100	-1.79586800 L
H-H_	20.73933500	6.82662200	-4.64272000 L
C-C_R	21.50366600	5.96421100	-2.82907800 L
H-H_	24.79026700	12.47636800	-6.36617100 L
C-C_R	25.85563100	10.60835700	-6.37066500 L
H-H_	26.63774000	8.60869800	-6.24615000 L
C-C_R	22.43858400	6.06404600	-1.80537600 L
H-H_	24.05549900	7.22648000	-0.99756200 L
H-H_	20.80588900	5.13580700	-2.85142200 L
H-H_	26.77542300	11.03270800	-6.75612100 L
H-H_	22.47060100	5.31841700	-1.01960500 L
C-C_R	2.24376300	6.59211700	-14.29424700 L
H-H_	2.99602700	5.83294500	-14.47545600 L
C-C_R	0.33201900	7.85066400	-15.01348600 L
H-H_	-0.41080900	8.09056400	-15.76526800 L
C-C_R	1.29262200	6.87768300	-15.26621400 L
H-H_	1.30132500	6.34966000	-16.21216200 L
C-C_R	2.23393600	7.26043100	-13.07955300 L
C-C_R	1.27494300	8.24462100	-12.82769500 L
H-H_	2.96957900	7.02643100	-12.31907800 L
N-N_R	1.26645000	8.93344600	-11.59683000 L

C-C_R	0.32353400	8.53717400	-13.80899500 L
C-C_R	2.47460000	9.34306500	-11.00949400 L
C-C_R	0.04113100	9.23090900	-10.96745500 L
H-H_	-0.41604300	9.30612600	-13.62083100 L
C-C_R	2.64474400	9.27867100	-9.62286000 L
C-C_R	3.53064100	9.81736900	-11.79580800 L
C-C_R	-0.98868100	8.28631200	-10.93931800 L
C-C_R	-0.16253300	10.47707800	-10.36976600 L
H-H_	1.84883800	8.87808000	-9.00654300 L
C-C_R	3.82325800	9.70579300	-9.03957300 L
H-H_	3.41487000	9.86774300	-12.87158300 L
C-C_R	4.71299000	10.22091200	-11.20692300 L
C-C_R	-2.19624500	8.58952600	-10.33057600 L
H-H_	-0.83124700	7.31682700	-11.39672200 L
H-H_	0.62926000	11.21618500	-10.39638800 L
C-C_R	-1.36962500	10.76734200	-9.75230300 L
C-C_R	4.87562700	10.20015500	-9.81676700 L
H-H_	3.93599600	9.62734100	-7.96565600 L
H-H_	5.53367600	10.57078000	-11.82056200 L
H-H_	-2.98490400	7.84568300	-10.31551700 L
C-C_R	-2.39562600	9.82767600	-9.73172600 L
H-H_	-1.51117700	11.74046600	-9.29563100 L
C-C_R	6.16671700	10.61237100	-9.23672500 L
H-H_	-3.34094000	10.06000500	-9.25556500 L
N-N_R	7.23111900	10.33023300	-9.97107600 L
C-C_R	6.32563000	11.23856200	-7.95705100 L
C-C_R	8.44434800	10.53004700	-9.45457200 L
N-N_R	7.52293400	11.35152500	-7.41317400 L
C-C_R	5.22450500	11.83331600	-7.17428800 L
C-C_R	8.59883000	10.97113300	-8.11747400 L
C-C_R	9.61330500	10.25950800	-10.22759700 L
C-C_R	4.15017600	12.49788800	-7.77482300 L
C-C_R	5.29013600	11.81156800	-5.77759000 L
C-C_R	9.89586900	11.06715300	-7.54178600 L
C-C_R	10.85937900	10.38224500	-9.65487600 L
C-C_R	9.47955100	9.82555000	-11.57816700 L
C-C_R	3.16408100	13.09239800	-7.00990100 L
H-H_	4.09848000	12.57588000	-8.85319400 L
H-H_	6.13662400	11.33031800	-5.30457100 L
C-C_R	4.29585500	12.38297500	-5.00594000 L
C-C_R	11.03648300	10.74920200	-8.30341500 L
C-C_R	9.99160700	11.55709600	-6.21035900 L
H-H_	11.73057800	10.14250200	-10.24995300 L
N-N_R	9.39679700	9.47011900	-12.67772000 L

H-H_	2.35095100	13.62092600	-7.49134500 L
C-C_R	3.21218400	13.02782800	-5.61346700 L
H-H_	4.34965500	12.33103800	-3.92591300 L
N-N_R	10.07069900	11.95923800	-5.12609300 L
N-N_R	2.19365000	13.60625500	-4.83993800 L
C-C_R	0.85169200	13.51920400	-5.26363100 L
C-C_R	2.50374900	14.25340100	-3.62541500 L
C-C_R	0.35891800	12.33488600	-5.81539100 L
C-C_R	-0.00345200	14.61565000	-5.12957700 L
C-C_R	1.68724400	14.08286700	-2.50482600 L
C-C_R	3.63336400	15.07098100	-3.52950100 L
H-H_	1.01769600	11.47934400	-5.91241300 L
C-C_R	-0.96116200	12.25254700	-6.22868500 L
H-H_	0.37598000	15.53783400	-4.70755900 L
C-C_R	-1.32709100	14.52121400	-5.53403800 L
H-H_	0.81569300	13.44331500	-2.57303300 L
C-C_R	1.99232600	14.72841700	-1.31556700 L
H-H_	4.26556900	15.20923100	-4.39790700 L
C-C_R	3.93916500	15.69651800	-2.33124300 L
H-H_	-1.32736300	11.32385300	-6.65145500 L
C-C_R	-1.81405800	13.34238200	-6.08828700 L
H-H_	-1.97894200	15.37985200	-5.42568300 L
C-C_R	3.12133000	15.53482200	-1.21878500 L
H-H_	1.35022000	14.58655900	-0.45450500 L
H-H_	4.82007700	16.32516700	-2.27125100 L
H-H_	-2.84814100	13.27286800	-6.40355100 L
H-H_	3.36086300	16.03046700	-0.28577000 L
C-C_R	-34.58469800	-7.44018000	15.37950700 L
H-H_	-33.67531600	-6.85403200	15.43194000 L
C-C_R	-36.58344800	-8.29503000	16.41116000 L
H-H_	-37.22601900	-8.39420600	17.27761200 L
C-C_R	-35.41347900	-7.54590200	16.49175000 L
H-H_	-35.14696600	-7.04970300	17.41862000 L
C-C_R	-34.91833800	-8.06990100	14.19305900 L
C-C_R	-36.09299600	-8.82815000	14.11156200 L
H-H_	-34.28265100	-7.97453600	13.32223800 L
N-N_R	-36.43098400	-9.47779800	12.91203700 L
C-C_R	-36.92464400	-8.93698500	15.23355600 L
C-C_R	-35.42695900	-10.07114700	12.13204200 L
C-C_R	-37.77066600	-9.54338400	12.49556100 L
H-H_	-37.82343600	-9.54037500	15.17627100 L
C-C_R	-35.47111100	-9.97627200	10.73567900 L
C-C_R	-34.36501900	-10.75299500	12.73992900 L
C-C_R	-38.62166000	-8.44752200	12.67577100 L

C-C_R	-38.26124000	-10.70847100	11.89449200 L
H-H_	-36.26558800	-9.40779500	10.26324500 L
C-C_R	-34.48998400	-10.57184800	9.96967300 L
H-H_	-34.32533700	-10.83061300	13.82042400 L
C-C_R	-33.38433800	-11.33651200	11.96410600 L
C-C_R	-39.94289700	-8.52512900	12.26498100 L
H-H_	-38.23669100	-7.53875500	13.12251400 L
H-H_	-37.60667500	-11.56019600	11.76873600 L
C-C_R	-39.58300300	-10.77096200	11.48324700 L
C-C_R	-33.44115600	-11.28030900	10.56787400 L
H-H_	-34.52149300	-10.47005800	8.89160800 L
H-H_	-32.54981900	-11.84841800	12.42802100 L
H-H_	-40.59164300	-7.66725900	12.40138500 L
C-C_R	-40.42972300	-9.68253200	11.66869900 L
H-H_	-39.95297500	-11.68017600	11.02631100 L
C-C_R	-32.34767300	-11.88635100	9.77495200 L
H-H_	-41.46335000	-9.73658800	11.34999200 L
N-N_R	-31.14894200	-11.75613800	10.32762800 L
C-C_R	-32.50989400	-12.50235000	8.51243000 L
C-C_R	-30.07246200	-12.12446400	9.62355900 L
N-N_R	-31.43739700	-12.78757400	7.77168000 L
C-C_R	-33.80213200	-12.91041900	7.93081100 L
C-C_R	-30.23043600	-12.58049800	8.28394300 L
C-C_R	-28.77389500	-12.01504100	10.19659200 L
C-C_R	-34.85475000	-13.39723700	8.71280200 L
C-C_R	-33.96687100	-12.88675000	6.54096700 L
C-C_R	-29.05571200	-12.84445600	7.50753600 L
C-C_R	-27.63050300	-12.32710000	9.42750700 L
C-C_R	-28.68553800	-11.51468500	11.52209700 L
C-C_R	-36.04291100	-13.80529800	8.13655900 L
H-H_	-34.73047200	-13.49121400	9.78505200 L
H-H_	-33.14181100	-12.54767900	5.92619200 L
C-C_R	-35.15549900	-13.28196200	5.95699800 L
C-C_R	-27.80921400	-12.70488600	8.08298800 L
C-C_R	-29.19110700	-13.28824800	6.16400800 L
N-N_R	-28.62268200	-11.10603500	12.60612900 L
H-H_	-36.84089600	-14.20376500	8.75109600 L
C-C_R	-36.21412900	-13.73884800	6.74913700 L
H-H_	-35.27416600	-13.23467400	4.88092400 L
H-H_	-26.93708400	-12.94260500	7.48811300 L
N-N_R	-29.28758900	-13.65153200	5.06775600 L
N-N_R	-37.42547600	-14.14270800	6.16341900 L
C-C_R	-38.64557600	-13.79551900	6.77072300 L
C-C_R	-37.41683800	-14.89057100	4.96871300 L

C-C_R	-38.81509600	-12.52666700	7.33534100 L
C-C_R	-39.70552600	-14.70655700	6.81456000 L
C-C_R	-38.36374500	-14.64252300	3.97175600 L
C-C_R	-36.45438400	-15.88394500	4.76816400 L
H-H_	-38.00144600	-11.81324000	7.29187000 L
C-C_R	-40.01907000	-12.18376500	7.93104600 L
H-H_	-39.57443600	-15.69306800	6.38673700 L
C-C_R	-40.90694900	-14.35100800	7.40551500 L
H-H_	-39.10183200	-13.86215100	4.11785700 L
C-C_R	-38.34831500	-15.38244800	2.79993900 L
H-H_	-35.72390600	-16.08331500	5.54228000 L
C-C_R	-36.44050100	-16.60886300	3.58683900 L
H-H_	-40.13738800	-11.19101500	8.35138700 L
C-C_R	-41.07323800	-13.08890900	7.96841400 L
H-H_	-41.71844800	-15.06989500	7.43433800 L
C-C_R	-37.38718100	-16.36670500	2.59832400 L
H-H_	-39.08499000	-15.17694000	2.03252300 L
H-H_	-35.68788900	-17.37500100	3.44411800 L
H-H_	-42.01603800	-12.81521800	8.42467900 L
H-H_	-37.37392900	-16.93735300	1.67712400 L
C-C_R	-17.18816100	-17.01695600	15.07361900 L
H-H_	-17.88575400	-17.84745700	15.09126900 L
C-C_R	-15.36038000	-15.80496300	16.04704000 L
H-H_	-14.63133900	-15.67308000	16.83708100 L
C-C_R	-16.25185800	-16.87105400	16.08997900 L
H-H_	-16.21698900	-17.58083600	16.90957000 L
C-C_R	-17.23225200	-16.11746800	14.02023300 L
C-C_R	-16.34416400	-15.03985800	13.98151500 L
H-H_	-17.95558600	-16.24136800	13.22293400 L
N-N_R	-16.39112800	-14.11614400	12.91656000 L
C-C_R	-15.40801000	-14.88891000	15.00744100 L
C-C_R	-17.62840800	-13.67873300	12.41637400 L
C-C_R	-15.19333200	-13.61330300	12.36952800 L
H-H_	-14.72375300	-14.04930000	14.98477800 L
C-C_R	-17.80348200	-13.47107700	11.04347500 L
C-C_R	-18.70772500	-13.44714300	13.27531000 L
C-C_R	-14.10187500	-14.46118900	12.15696500 L
C-C_R	-15.07901400	-12.26161100	12.03812200 L
H-H_	-16.98650800	-13.68299500	10.36514300 L
C-C_R	-19.01235700	-13.01537800	10.55101900 L
H-H_	-18.58913000	-13.60879700	14.33863700 L
C-C_R	-19.91990200	-13.01253600	12.77166100 L
C-C_R	-12.92200400	-13.95912800	11.63107600 L
H-H_	-14.18884000	-15.51171400	12.40552300 L

H-H_	-15.91901500	-11.59894200	12.20897100 L
C-C_R	-13.89779700	-11.77042500	11.50105500 L
C-C_R	-20.09043100	-12.76222900	11.40612900 L
H-H_	-19.12703700	-12.88036100	9.48392700 L
H-H_	-20.75812800	-12.85239600	13.43777400 L
H-H_	-12.08472700	-14.62899000	11.47056400 L
C-C_R	-12.81145700	-12.61433000	11.29697600 L
H-H_	-13.82591800	-10.71753800	11.25384000 L
C-C_R	-21.40958900	-12.32926600	10.91203400 L
H-H_	-11.88747200	-12.22640100	10.88563700 L
N-N_R	-22.44718600	-12.82655500	11.56619100 L
C-C_R	-21.62064400	-11.46832000	9.78638000 L
C-C_R	-23.67480300	-12.60792700	11.09374500 L
N-N_R	-22.82563900	-11.32862800	9.26748700 L
C-C_R	-20.56804200	-10.65224800	9.14776900 L
C-C_R	-23.86922700	-11.91669100	9.87315600 L
C-C_R	-24.81820000	-13.10978800	11.78630000 L
C-C_R	-19.53720400	-10.05224000	9.87841400 L
C-C_R	-20.64177000	-10.39498500	7.77630800 L
C-C_R	-25.17379400	-11.79389300	9.31897600 L
C-C_R	-26.07370400	-12.95823700	11.24280500 L
C-C_R	-24.64580400	-13.79934100	13.02228000 L
C-C_R	-18.59913900	-9.25004800	9.25820100 L
H-H_	-19.48235300	-10.19282900	10.95033800 L
H-H_	-21.45687800	-10.82627800	7.20839400 L
C-C_R	-19.69405600	-9.61233700	7.14397400 L
C-C_R	-26.28482800	-12.33599800	9.99312200 L
C-C_R	-25.31092300	-11.05113500	8.11537900 L
H-H_	-26.92240600	-13.37265600	11.77057700 L
N-N_R	-24.53143000	-14.36341200	14.02622200 L
H-H_	-17.81948100	-8.77631800	9.84175400 L
C-C_R	-18.65150900	-9.03234100	7.87751700 L
H-H_	-19.75175400	-9.44706400	6.07560800 L
N-N_R	-25.42479200	-10.44210800	7.13414400 L
N-N_R	-17.68109500	-8.24073800	7.24394900 L
C-C_R	-16.33339200	-8.32070700	7.65045700 L
C-C_R	-18.04295200	-7.38281800	6.18528500 L
C-C_R	-15.75739900	-9.55619200	7.95324800 L
C-C_R	-15.55471800	-7.16443800	7.74918000 L
C-C_R	-17.22463500	-7.26497400	5.05927400 L
C-C_R	-19.22517800	-6.64150900	6.24975500 L
H-H_	-16.35582500	-10.45545700	7.87072700 L
C-C_R	-14.43091100	-9.63099800	8.35137300 L
H-H_	-15.99990700	-6.20370500	7.52089800 L

C-C_R	-14.22492500	-7.24895300	8.13522900 L
H-H_	-16.31113100	-7.84526500	5.00197300 L
C-C_R	-17.58117300	-6.41430200	4.02395800 L
H-H_	-19.86023500	-6.72600600	7.12269300 L
C-C_R	-19.58217600	-5.80754100	5.20066400 L
H-H_	-14.00047400	-10.59921100	8.57898000 L
C-C_R	-13.65611400	-8.47902100	8.44163700 L
H-H_	-13.63473400	-6.34387100	8.20734100 L
C-C_R	-18.76303600	-5.68372500	4.08531300 L
H-H_	-16.93694700	-6.33408300	3.15655500 L
H-H_	-20.50321400	-5.24027500	5.26471700 L
H-H_	-12.61648500	-8.54169800	8.74329500 L
H-H_	-19.04223600	-5.02603400	3.26995700 L
C-C_R	-4.69277500	-6.40370900	15.29732200 L
H-H_	-3.78339300	-5.81756100	15.34975400 L
C-C_R	-6.69152500	-7.25855900	16.32897400 L
H-H_	-7.33409600	-7.35773500	17.19542600 L
C-C_R	-5.52155600	-6.50943100	16.40956400 L
H-H_	-5.25504300	-6.01323300	17.33643400 L
C-C_R	-5.02641500	-7.03343000	14.11087400 L
C-C_R	-6.20107300	-7.79167900	14.02937700 L
H-H_	-4.39072800	-6.93806500	13.24005300 L
N-N_R	-6.53806200	-8.44129300	12.82984900 L
C-C_R	-7.03272100	-7.90051500	15.15137000 L
C-C_R	-5.53503600	-9.03467600	12.04985600 L
C-C_R	-7.87774300	-8.50687900	12.41337300 L
H-H_	-7.93151200	-8.50390500	15.09408500 L
C-C_R	-5.57918700	-8.93980200	10.65349400 L
C-C_R	-4.47309600	-9.71652500	12.65774300 L
C-C_R	-8.72973600	-7.41105100	12.59358500 L
C-C_R	-8.36931700	-9.67200100	11.81230700 L
H-H_	-6.37266600	-8.37129000	10.18105700 L
C-C_R	-4.59806100	-9.53537700	9.88748800 L
H-H_	-4.43341300	-9.79414200	13.73823800 L
C-C_R	-3.49241400	-10.30004100	11.88192000 L
C-C_R	-10.05097400	-7.48865900	12.18279500 L
H-H_	-8.34476800	-6.50228500	13.04032800 L
H-H_	-7.71375200	-10.52369100	11.68654700 L
C-C_R	-9.69108000	-9.73449200	11.40106200 L
C-C_R	-3.54923300	-10.24383800	10.48568800 L
H-H_	-4.62956900	-9.43358800	8.80942300 L
H-H_	-2.65789600	-10.81194700	12.34583500 L
H-H_	-10.69971900	-6.63078800	12.31919900 L
C-C_R	-10.53779900	-8.64606200	11.58651300 L

H-H_	-10.06105200	-10.64370500	10.94412500 L
C-C_R	-2.45575000	-10.84988000	9.69276700 L
H-H_	-11.57142700	-8.70011800	11.26780700 L
N-N_R	-1.25701900	-10.71966800	10.24544300 L
C-C_R	-2.61797100	-11.46587900	8.43024500 L
C-C_R	-0.18053900	-11.08799300	9.54137300 L
N-N_R	-1.54447500	-11.75106900	7.68949200 L
C-C_R	-3.90920900	-11.87391400	7.84862200 L
C-C_R	-0.33851300	-11.54402800	8.20175700 L
C-C_R	1.11802800	-10.97857100	10.11440600 L
C-C_R	-4.96282700	-12.36076600	8.63061700 L
C-C_R	-4.07494800	-11.85027900	6.45878100 L
C-C_R	0.83621100	-11.80798600	7.42535000 L
C-C_R	2.26142000	-11.29063000	9.34532200 L
C-C_R	1.20738400	-10.47818000	11.43990900 L
C-C_R	-6.14998800	-12.76879300	8.05437000 L
H-H_	-4.83854900	-12.45474400	9.70286700 L
H-H_	-3.24988800	-11.51120800	5.84400600 L
C-C_R	-5.26257600	-12.24545600	5.87481000 L
C-C_R	2.08270900	-11.66841500	8.00080200 L
C-C_R	0.70081600	-12.25177700	6.08182300 L
N-N_R	1.26924100	-10.06956500	12.52394300 L
H-H_	-6.94797400	-13.16726000	8.66890800 L
C-C_R	-6.32220600	-12.70237700	6.66695200 L
H-H_	-5.38224300	-12.19820300	4.79873900 L
H-H_	2.95483900	-11.90613500	7.40592700 L
N-N_R	0.60533400	-12.61502700	4.98556800 L
N-N_R	-7.53355300	-13.10623800	6.08123300 L
C-C_R	-8.75365200	-12.75904800	6.68853800 L
C-C_R	-7.52491500	-13.85410100	4.88652700 L
C-C_R	-8.92317300	-11.49019700	7.25315600 L
C-C_R	-9.81360200	-13.67008600	6.73237400 L
C-C_R	-8.47182200	-13.60605200	3.88957100 L
C-C_R	-6.56246100	-14.84747400	4.68597800 L
H-H_	-8.10952300	-10.77677000	7.20968500 L
C-C_R	-10.12714600	-11.14729400	7.84886100 L
H-H_	-9.68251300	-14.65659700	6.30455100 L
C-C_R	-11.01502600	-13.31453700	7.32333000 L
H-H_	-9.20990900	-12.82568000	4.03567100 L
C-C_R	-8.45639200	-14.34597800	2.71775300 L
H-H_	-5.83198300	-15.04684500	5.46009500 L
C-C_R	-6.54857800	-15.57239300	3.50465300 L
H-H_	-10.24546500	-10.15454500	8.26920100 L
C-C_R	-11.18131500	-12.05243900	7.88622900 L

H-H_	-11.82652500	-14.03342400	7.35215300 L
C-C_R	-7.49525700	-15.33023500	2.51613800 L
H-H_	-9.19306700	-14.14046900	1.95033800 L
H-H_	-5.79496600	-16.33849600	3.36193000 L
H-H_	-12.12411500	-11.77874800	8.34249400 L
H-H_	-7.48200600	-15.90088200	1.59493800 L
C-C_R	12.70376300	-15.98048600	14.99143400 L
H-H_	12.00616900	-16.81098700	15.00908400 L
C-C_R	14.53154300	-14.76849300	15.96485500 L
H-H_	15.26058400	-14.63660900	16.75489500 L
C-C_R	13.64006500	-15.83458400	16.00779300 L
H-H_	13.67493400	-16.54436600	16.82738500 L
C-C_R	12.65967200	-15.08099800	13.93804800 L
C-C_R	13.54776000	-14.00338800	13.89932900 L
H-H_	11.93633700	-15.20489800	13.14074800 L
N-N_R	13.50079500	-13.07967400	12.83437500 L
C-C_R	14.48391300	-13.85244000	14.92525500 L
C-C_R	12.26351600	-12.64226300	12.33418900 L
C-C_R	14.69859100	-12.57683300	12.28734200 L
H-H_	15.16817000	-13.01282900	14.90259300 L
C-C_R	12.08844200	-12.43460600	10.96129000 L
C-C_R	11.18419800	-12.41067300	13.19312400 L
C-C_R	15.79004900	-13.42471800	12.07478000 L
C-C_R	14.81291000	-11.22514100	11.95593600 L
H-H_	12.90541500	-12.64652400	10.28295800 L
C-C_R	10.87956600	-11.97890800	10.46883400 L
H-H_	11.30279300	-12.57232600	14.25645100 L
C-C_R	9.97202100	-11.97606500	12.68947600 L
C-C_R	16.97091800	-12.92262300	11.54888800 L
H-H_	15.70308300	-14.47524400	12.32333800 L
H-H_	13.97290800	-10.56247100	12.12678500 L
C-C_R	15.99412700	-10.73395400	11.41886900 L
C-C_R	9.80149200	-11.72575800	11.32394300 L
H-H_	10.76488600	-11.84389100	9.40174200 L
H-H_	9.13379600	-11.81592600	13.35558900 L
H-H_	17.80719600	-13.59251900	11.38837900 L
C-C_R	17.08046600	-11.57785900	11.21479000 L
H-H_	16.06600500	-9.68106800	11.17165400 L
C-C_R	8.48233400	-11.29279600	10.82984800 L
H-H_	18.00545100	-11.18989500	10.80344900 L
N-N_R	7.44473700	-11.79008500	11.48400500 L
C-C_R	8.27127900	-10.43184900	9.70419500 L
C-C_R	6.21712100	-11.57145700	11.01155900 L
N-N_R	7.06628400	-10.29215700	9.18530100 L

C-C_R	9.32388100	-9.61577800	9.06558300 L
C-C_R	6.02269600	-10.88022100	9.79097000 L
C-C_R	5.07372300	-12.07331700	11.70411500 L
C-C_R	10.35571900	-9.01573500	9.79622600 L
C-C_R	9.25015300	-9.35851400	7.69412200 L
C-C_R	4.71812900	-10.75742200	9.23679100 L
C-C_R	3.81822000	-11.92176600	11.16062000 L
C-C_R	5.24611900	-12.76287100	12.94009500 L
C-C_R	11.29278400	-8.21357700	9.17601500 L
H-H_	10.40957000	-9.15635900	10.86815200 L
H-H_	8.43504600	-9.78980800	7.12620800 L
C-C_R	10.19886700	-8.57583200	7.06178600 L
C-C_R	3.60709600	-11.29952800	9.91093600 L
C-C_R	4.58100000	-10.01466500	8.03319300 L
H-H_	2.96951800	-12.33618600	11.68839100 L
N-N_R	5.36049300	-13.32694200	13.94403700 L
H-H_	12.07244200	-7.73984700	9.75956800 L
C-C_R	11.24041400	-7.99587100	7.79533200 L
H-H_	10.14017000	-8.41059400	5.99342300 L
N-N_R	4.46713100	-9.40563700	7.05195900 L
N-N_R	12.21082900	-7.20426800	7.16176400 L
C-C_R	13.55853100	-7.28423700	7.56827100 L
C-C_R	11.84897100	-6.34634700	6.10309900 L
C-C_R	14.13452500	-8.51972200	7.87106300 L
C-C_R	14.33720500	-6.12796700	7.66699500 L
C-C_R	12.66728800	-6.22850400	4.97708800 L
C-C_R	10.66674600	-5.60503900	6.16756900 L
H-H_	13.53609800	-9.41898700	7.78854200 L
C-C_R	15.46101200	-8.59452800	8.26918700 L
H-H_	13.89201600	-5.16723400	7.43871200 L
C-C_R	15.66699800	-6.21248200	8.05304300 L
H-H_	13.58079200	-6.80879500	4.91978800 L
C-C_R	12.31075000	-5.37783200	3.94177300 L
H-H_	10.03168800	-5.68953500	7.04050700 L
C-C_R	10.30974800	-4.77107100	5.11847800 L
H-H_	15.89144900	-9.56274000	8.49679500 L
C-C_R	16.23580900	-7.44255100	8.35945200 L
H-H_	16.25718900	-5.30740000	8.12515500 L
C-C_R	11.12988700	-4.64722000	4.00312500 L
H-H_	12.95497600	-5.29761300	3.07436900 L
H-H_	9.38871000	-4.20380500	5.18253100 L
H-H_	17.27543800	-7.50522700	8.66110900 L
H-H_	10.84968700	-3.98956400	3.18777200 L
C-C_R	25.19914900	-5.36723900	15.21513600 L

H-H_	26.10853000	-4.78109100	15.26756900 L
C-C_R	23.20039800	-6.22208900	16.24678900 L
H-H_	22.55782800	-6.32126500	17.11324100 L
C-C_R	24.37036700	-5.47296100	16.32737900 L
H-H_	24.63688100	-4.97676200	17.25424900 L
C-C_R	24.86550900	-5.99696000	14.02868800 L
C-C_R	23.69085000	-6.75520900	13.94719100 L
H-H_	25.50119500	-5.90159500	13.15786700 L
N-N_R	23.35386200	-7.40482300	12.74766400 L
C-C_R	22.85920200	-6.86404400	15.06918500 L
C-C_R	24.35788600	-7.99817100	11.96766800 L
C-C_R	22.01418000	-7.47040900	12.33118700 L
H-H_	21.96141000	-7.46740000	15.01189700 L
C-C_R	24.31273600	-7.90333100	10.57130800 L
C-C_R	25.41882700	-8.68005400	12.57555800 L
C-C_R	21.16218700	-6.37458100	12.51140000 L
C-C_R	21.52260700	-8.63553000	11.73012100 L
H-H_	23.51925800	-7.33482000	10.09887200 L
C-C_R	25.29386200	-8.49890700	9.80530200 L
H-H_	25.45851000	-8.75767200	13.65605300 L
C-C_R	26.40050800	-9.26353600	11.79973200 L
C-C_R	19.84094900	-6.45218800	12.10061000 L
H-H_	21.54715600	-5.46581400	12.95814300 L
H-H_	22.17817100	-9.48722000	11.60436200 L
C-C_R	20.20184300	-8.69798600	11.31887300 L
C-C_R	26.34269000	-9.20736800	10.40350300 L
H-H_	25.26235400	-8.39711700	8.72723700 L
H-H_	27.23402700	-9.77547700	12.26365000 L
H-H_	19.19220400	-5.59431800	12.23701400 L
C-C_R	19.35412400	-7.60959200	11.50432700 L
H-H_	19.83087100	-9.60723500	10.86194000 L
C-C_R	27.43617400	-9.81341000	9.61058100 L
H-H_	18.32049700	-7.66364700	11.18562100 L
N-N_R	28.63490400	-9.68319700	10.16325700 L
C-C_R	27.27395300	-10.42940900	8.34805900 L
C-C_R	29.71238300	-10.05148800	9.45918500 L
N-N_R	28.34744900	-10.71459900	7.60730600 L
C-C_R	25.98271400	-10.83744400	7.76643700 L
C-C_R	29.55341100	-10.50755700	8.11957200 L
C-C_R	31.00995200	-9.94210000	10.03222100 L
C-C_R	24.92909700	-11.32429600	8.54843100 L
C-C_R	25.81697600	-10.81380900	6.37659600 L
C-C_R	30.72813400	-10.77151600	7.34316500 L
C-C_R	32.15334300	-10.25415900	9.26313600 L

C-C_R	31.09930800	-9.44170900	11.35772300 L
C-C_R	23.74193500	-11.73232200	7.97218500 L
H-H_	25.05337500	-11.41827300	9.62068100 L
H-H_	26.64203500	-10.47473800	5.76182100 L
C-C_R	24.62934700	-11.20898600	5.79262400 L
C-C_R	31.97463200	-10.63194500	7.91861700 L
C-C_R	30.59273900	-11.21530700	5.99963700 L
N-N_R	31.16116400	-9.03309500	12.44175800 L
H-H_	22.94394900	-12.13079000	8.58672300 L
C-C_R	23.56971700	-11.66590700	6.58476600 L
H-H_	24.50968100	-11.16173300	4.71655300 L
H-H_	32.84676200	-10.86966500	7.32374100 L
N-N_R	30.49725700	-11.57855700	4.90338300 L
N-N_R	22.35837100	-12.06976700	5.99904800 L
C-C_R	21.13827100	-11.72257800	6.60635200 L
C-C_R	22.36700900	-12.81763000	4.80434200 L
C-C_R	20.96875000	-10.45372600	7.17097000 L
C-C_R	20.07832100	-12.63361600	6.65018900 L
C-C_R	21.42010100	-12.56958200	3.80738500 L
C-C_R	23.32946300	-13.81100400	4.60379300 L
H-H_	21.78240000	-9.74029900	7.12749900 L
C-C_R	19.76477700	-10.11082400	7.76667500 L
H-H_	20.20941000	-13.62012700	6.22236600 L
C-C_R	18.87789700	-12.27803200	7.24114100 L
H-H_	20.68201500	-11.78921000	3.95348600 L
C-C_R	21.43553200	-13.30950700	2.63556800 L
H-H_	24.05994000	-14.01037400	5.37790900 L
C-C_R	23.34334600	-14.53592200	3.42246800 L
H-H_	19.64645900	-9.11807400	8.18701600 L
C-C_R	18.71060800	-11.01596800	7.80404300 L
H-H_	18.06639700	-12.99691900	7.26996400 L
C-C_R	22.39666600	-14.29376400	2.43395300 L
H-H_	20.69885600	-13.10399900	1.86815200 L
H-H_	24.09695700	-15.30202600	3.27974500 L
H-H_	17.76780800	-10.74227700	8.26030800 L
H-H_	22.40991700	-14.86441200	1.51275300 L
C-C_R	42.59568600	-14.94401500	14.90924800 L
H-H_	41.89809200	-15.77451600	14.92689800 L
C-C_R	44.42346600	-13.73202300	15.88266900 L
H-H_	45.15250700	-13.60013900	16.67271000 L
C-C_R	43.53298800	-14.79807800	15.92560500 L
H-H_	43.56685800	-15.50789500	16.74519900 L
C-C_R	42.55159500	-14.04452800	13.85586200 L
C-C_R	43.43968300	-12.96691700	13.81714400 L

H-H_	41.82826000	-14.16842700	13.05856300 L
N-N_R	43.39271900	-12.04320300	12.75218900 L
C-C_R	44.37583700	-12.81596900	14.84307000 L
C-C_R	42.15643800	-11.60575700	12.25200100 L
C-C_R	44.59051500	-11.54036200	12.20515700 L
H-H_	45.06009300	-11.97635900	14.82040700 L
C-C_R	41.98036500	-11.39813600	10.87910400 L
C-C_R	41.07612100	-11.37420200	13.11093900 L
C-C_R	45.68197200	-12.38824800	11.99259400 L
C-C_R	44.70583200	-10.18863600	11.87374800 L
H-H_	42.79733800	-11.61005400	10.20077200 L
C-C_R	40.77248900	-10.94240300	10.38664500 L
H-H_	41.19471700	-11.53585600	14.17426600 L
C-C_R	39.86394500	-10.93959500	12.60729000 L
C-C_R	46.86284100	-11.88615200	11.46670200 L
H-H_	45.59500600	-13.43877300	12.24115200 L
H-H_	43.86483100	-9.52600100	12.04459900 L
C-C_R	45.88605000	-9.69748400	11.33668400 L
C-C_R	39.69441500	-10.68925300	11.24175500 L
H-H_	40.65681000	-10.80742000	9.31955600 L
H-H_	39.02571900	-10.77945600	13.27340300 L
H-H_	47.69912000	-12.55604900	11.30619300 L
C-C_R	46.97239000	-10.54138900	11.13260500 L
H-H_	45.95792800	-8.64459800	11.08946900 L
C-C_R	38.37425700	-10.25632500	10.74766300 L
H-H_	47.89737400	-10.15342500	10.72126400 L
N-N_R	37.33666000	-10.75361400	11.40182000 L
C-C_R	38.16320200	-9.39537900	9.62200900 L
C-C_R	36.10904400	-10.53498600	10.92937400 L
N-N_R	36.95820700	-9.25568700	9.10311600 L
C-C_R	39.21580400	-8.57930700	8.98339800 L
C-C_R	35.91461900	-9.84375000	9.70878400 L
C-C_R	34.96564700	-11.03684700	11.62192900 L
C-C_R	40.24764200	-7.97926400	9.71404100 L
C-C_R	39.14207600	-8.32204400	7.61193700 L
C-C_R	34.61005200	-9.72095200	9.15460500 L
C-C_R	33.71014300	-10.88529600	11.07843400 L
C-C_R	35.13804200	-11.72640000	12.85790900 L
C-C_R	41.18470700	-7.17710700	9.09383000 L
H-H_	40.30149300	-8.11988900	10.78596700 L
H-H_	38.32696900	-8.75333800	7.04402300 L
C-C_R	40.09079000	-7.53936100	6.97960000 L
C-C_R	33.50001800	-10.26302300	9.82874800 L
C-C_R	34.47292400	-8.97819400	7.95100800 L

H-H_	32.86144100	-11.29971500	11.60620600 L
N-N_R	35.25241700	-12.29047100	13.86185100 L
H-H_	41.96436600	-6.70337700	9.67738300 L
C-C_R	41.13233800	-6.95940000	7.71314600 L
H-H_	40.03309200	-7.37408900	5.91123400 L
N-N_R	34.35905400	-8.36916700	6.96977300 L
N-N_R	42.10275200	-6.16779800	7.07957800 L
C-C_R	43.45045400	-6.24776600	7.48608600 L
C-C_R	41.74089500	-5.30987700	6.02091400 L
C-C_R	44.02644800	-7.48325100	7.78887700 L
C-C_R	44.22912800	-5.09149700	7.58480900 L
C-C_R	42.56021100	-5.19199900	4.89490000 L
C-C_R	40.55866900	-4.56856800	6.08538400 L
H-H_	43.42802200	-8.38251600	7.70635600 L
C-C_R	45.35293600	-7.55805800	8.18700200 L
H-H_	43.78394000	-4.13076400	7.35652700 L
C-C_R	45.55892100	-5.17601200	7.97085800 L
H-H_	43.47271500	-5.77232400	4.83760200 L
C-C_R	42.20267300	-4.34136200	3.85958700 L
H-H_	39.92361200	-4.65306500	6.95832200 L
C-C_R	40.20267000	-3.73456600	5.03629000 L
H-H_	45.78337300	-8.52627000	8.41460900 L
C-C_R	46.12773300	-6.40608100	8.27726600 L
H-H_	46.14911200	-4.27093000	8.04297000 L
C-C_R	41.02181000	-3.61075000	3.92094000 L
H-H_	42.84689900	-4.26114200	2.99218400 L
H-H_	39.28063300	-3.16733400	5.10034600 L
H-H_	47.16736200	-6.46875700	8.57892300 L
H-H_	40.74161100	-2.95309300	3.10558600 L
C-C_R	-34.63449400	-6.62986300	7.48715300 L
H-H_	-33.72511900	-6.04361300	7.53859000 L
C-C_R	-36.63325100	-7.48461100	8.51781000 L
H-H_	-37.27582100	-7.58378700	9.38426200 L
C-C_R	-35.46327500	-6.73558500	8.59939500 L
H-H_	-35.19676800	-6.23928400	9.52527000 L
C-C_R	-34.96814000	-7.25948200	6.29971000 L
C-C_R	-36.14279900	-8.01773100	6.21821300 L
H-H_	-34.33245400	-7.16411700	5.42888900 L
N-N_R	-36.48078100	-8.66748200	5.01968300 L
C-C_R	-36.97444700	-8.12656700	7.34020600 L
C-C_R	-35.47676200	-9.26072800	4.23869200 L
C-C_R	-37.82046800	-8.73296600	4.60221200 L
H-H_	-37.87323800	-8.72995700	7.28292100 L
C-C_R	-35.52091300	-9.16585300	2.84233000 L

C-C_R	-34.41481500	-9.94267900	4.84757400 L
C-C_R	-38.67146200	-7.63710300	4.78242100 L
C-C_R	-38.31104200	-9.89805300	4.00114300 L
H-H_	-36.31539100	-8.59737700	2.36989600 L
C-C_R	-34.53978700	-9.76142900	2.07632400 L
H-H_	-34.37513900	-10.02019400	5.92707400 L
C-C_R	-33.43413400	-10.52619500	4.07175100 L
C-C_R	-39.99270000	-7.71471100	4.37163200 L
H-H_	-38.28649300	-6.72833600	5.22916400 L
H-H_	-37.65647800	-10.74977700	3.87538600 L
C-C_R	-39.63279900	-9.96064600	3.59089200 L
C-C_R	-33.49095900	-10.46989000	2.67452400 L
H-H_	-34.57129500	-9.65964000	0.99825900 L
H-H_	-32.59962200	-11.03799900	4.53467100 L
H-H_	-40.64144500	-6.85684000	4.50803500 L
C-C_R	-40.47952500	-8.87211400	3.77534900 L
H-H_	-40.00277800	-10.86975700	3.13296100 L
C-C_R	-32.39747500	-11.07593200	1.88160300 L
H-H_	-41.51315200	-8.92617000	3.45664300 L
N-N_R	-31.19874500	-10.94572000	2.43427900 L
C-C_R	-32.55969600	-11.69193100	0.61908100 L
C-C_R	-30.12226500	-11.31404500	1.73020900 L
N-N_R	-31.48720000	-11.97715600	-0.12166900 L
C-C_R	-33.85193500	-12.10000100	0.03746100 L
C-C_R	-30.28023800	-11.77008000	0.39059300 L
C-C_R	-28.82369700	-11.20462200	2.30324200 L
C-C_R	-34.90455200	-12.58681800	0.81945300 L
C-C_R	-34.01666700	-12.07643300	-1.35138800 L
C-C_R	-29.10550900	-12.03414000	-0.38481900 L
C-C_R	-27.68030000	-11.51678400	1.53515300 L
C-C_R	-28.73534100	-10.70426600	3.62874800 L
C-C_R	-36.09271300	-12.99487900	0.24320900 L
H-H_	-34.78027400	-12.68079500	1.89170300 L
H-H_	-33.19160800	-11.73736200	-1.96616300 L
C-C_R	-35.20530100	-12.47154300	-1.93635200 L
C-C_R	-27.85901700	-11.89446700	0.18963800 L
C-C_R	-29.24091000	-12.47782900	-1.72934100 L
N-N_R	-28.67248500	-10.29561700	4.71277900 L
H-H_	-36.89069300	-13.39344900	0.85874200 L
C-C_R	-36.26393200	-12.92842900	-1.14421200 L
H-H_	-35.32396800	-12.42425500	-3.01242500 L
H-H_	-26.98688700	-12.13218700	-0.40523700 L
N-N_R	-29.33739100	-12.84111400	-2.82559300 L
N-N_R	-37.47527200	-13.33239200	-1.72893600 L

C-C_R	-38.69537800	-12.98510000	-1.12262600 L
C-C_R	-37.46664000	-14.08015200	-2.92463700 L
C-C_R	-38.86489900	-11.71624900	-0.55800800 L
C-C_R	-39.75532800	-13.89613800	-1.07879000 L
C-C_R	-38.41354800	-13.83210400	-3.92159300 L
C-C_R	-36.50418600	-15.07352600	-3.12518600 L
H-H_	-38.05124900	-11.00282200	-0.60147900 L
C-C_R	-40.06887200	-11.37334600	0.03769700 L
H-H_	-39.62423900	-14.88264900	-1.50661300 L
C-C_R	-40.95675100	-13.54058900	-0.48783400 L
H-H_	-39.15163400	-13.05173200	-3.77549300 L
C-C_R	-38.39811800	-14.57203000	-5.09341100 L
H-H_	-35.77370300	-15.27299900	-2.35007400 L
C-C_R	-36.49030300	-15.79844500	-4.30651100 L
H-H_	-40.18719000	-10.38059700	0.45803700 L
C-C_R	-41.12304100	-12.27849100	0.07506500 L
H-H_	-41.76825100	-14.25947600	-0.45901100 L
C-C_R	-37.43698300	-15.55628600	-5.29502600 L
H-H_	-39.13479300	-14.36652100	-5.86082600 L
H-H_	-35.73768500	-16.56468500	-4.44823600 L
H-H_	-42.06583500	-12.00490200	0.53232400 L
H-H_	-37.42373200	-16.12693400	-6.21622600 L
C-C_R	-17.23796300	-16.20653800	7.18027000 L
H-H_	-17.93555100	-17.03714100	7.19891400 L
C-C_R	-15.41017700	-14.99464700	8.15468500 L
H-H_	-14.68113500	-14.86276300	8.94472600 L
C-C_R	-16.30165400	-16.06073800	8.19762400 L
H-H_	-16.26679100	-16.77041800	9.01622100 L
C-C_R	-17.28205400	-15.30705000	6.12688400 L
C-C_R	-16.39396600	-14.22944000	6.08816500 L
H-H_	-18.00538200	-15.43105200	5.33057900 L
N-N_R	-16.44093000	-13.30572600	5.02321100 L
C-C_R	-15.45781200	-14.07849200	7.11409100 L
C-C_R	-17.67821000	-12.86831400	4.52302500 L
C-C_R	-15.24313400	-12.80288500	4.47617800 L
H-H_	-14.77355600	-13.23888100	7.09142900 L
C-C_R	-17.85328400	-12.66065800	3.15012600 L
C-C_R	-18.75752800	-12.63672500	5.38196000 L
C-C_R	-14.15167700	-13.65077000	4.26361600 L
C-C_R	-15.12881000	-11.45129500	4.14576700 L
H-H_	-17.03631100	-12.87257600	2.47179400 L
C-C_R	-19.06215900	-12.20496000	2.65767000 L
H-H_	-18.63892600	-12.79848000	6.44628200 L
C-C_R	-19.96969800	-12.20221900	4.87930700 L

C-C_R	-12.97180700	-13.14870900	3.73772700 L
H-H_	-14.23863700	-14.70139800	4.51316900 L
H-H_	-15.96881800	-10.78852300	4.31562100 L
C-C_R	-13.94759300	-10.96010800	3.60870000 L
C-C_R	-20.14023400	-11.95181000	3.51277900 L
H-H_	-19.17683900	-12.06994200	1.59057800 L
H-H_	-20.80792400	-12.04208000	5.54541900 L
H-H_	-12.13452900	-13.81857100	3.57721500 L
C-C_R	-12.86125900	-11.80391100	3.40362600 L
H-H_	-13.87572100	-9.90712000	3.36049000 L
C-C_R	-21.45939200	-11.51884800	3.01868400 L
H-H_	-11.93727400	-11.41598200	2.99228800 L
N-N_R	-22.49698900	-12.01613600	3.67284100 L
C-C_R	-21.67044700	-10.65790100	1.89303100 L
C-C_R	-23.72460500	-11.79750800	3.20039500 L
N-N_R	-22.87543500	-10.51831100	1.37513200 L
C-C_R	-20.61784500	-9.84183000	1.25441900 L
C-C_R	-23.91903000	-11.10627200	1.97980600 L
C-C_R	-24.86800200	-12.29936900	3.89295100 L
C-C_R	-19.58700000	-9.24192300	1.98606000 L
C-C_R	-20.69157300	-9.58456600	-0.11704200 L
C-C_R	-25.22359700	-10.98347400	1.42562700 L
C-C_R	-26.12350600	-12.14781800	3.34945600 L
C-C_R	-24.69560700	-12.98892300	5.12893100 L
C-C_R	-18.64894200	-8.43962900	1.36485100 L
H-H_	-19.53215000	-9.38251300	3.05798300 L
H-H_	-21.50667400	-10.01596200	-0.68396100 L
C-C_R	-19.74385900	-8.80191800	-0.74937500 L
C-C_R	-26.33463000	-11.52558000	2.09977200 L
C-C_R	-25.36072500	-10.24071700	0.22202900 L
H-H_	-26.97220800	-12.56223800	3.87722700 L
N-N_R	-24.58122600	-13.55309600	6.13386700 L
H-H_	-17.86928300	-7.96589900	1.94840400 L
C-C_R	-18.70131100	-8.22192200	-0.01583200 L
H-H_	-19.80155600	-8.63664600	-1.81774100 L
N-N_R	-25.47458900	-9.63179100	-0.75821100 L
N-N_R	-17.73089700	-7.43032000	-0.64940000 L
C-C_R	-16.38319500	-7.51028900	-0.24289300 L
C-C_R	-18.09275400	-6.57239900	-1.70806500 L
C-C_R	-15.80720100	-8.74577400	0.05989900 L
C-C_R	-15.60452100	-6.35401900	-0.14416900 L
C-C_R	-17.27443700	-6.45455600	-2.83407600 L
C-C_R	-19.27498000	-5.83109000	-1.64359500 L
H-H_	-16.40562700	-9.64503800	-0.02262200 L

C-C_R	-14.48071300	-8.82058000	0.45802300 L
H-H_	-16.04970900	-5.39328600	-0.37245200 L
C-C_R	-14.27472800	-6.43853400	0.24187900 L
H-H_	-16.36093400	-7.03484600	-2.89137600 L
C-C_R	-17.63097600	-5.60388400	-3.86939100 L
H-H_	-19.91003700	-5.91558700	-0.77065700 L
C-C_R	-19.63197200	-4.99722500	-2.69169100 L
H-H_	-14.05027600	-9.78879200	0.68563100 L
C-C_R	-13.70591600	-7.66860300	0.54828800 L
H-H_	-13.68453700	-5.53345200	0.31399100 L
C-C_R	-18.81283800	-4.87330700	-3.80803600 L
H-H_	-16.98675000	-5.52366500	-4.73679500 L
H-H_	-20.55301600	-4.42985600	-2.62863300 L
H-H_	-12.66628700	-7.73127900	0.84994500 L
H-H_	-19.09203200	-4.21571800	-4.62239700 L
C-C_R	-4.74257100	-5.59339300	7.40496700 L
H-H_	-3.83319500	-5.00714300	7.45640500 L
C-C_R	-6.74132700	-6.44814100	8.43562500 L
H-H_	-7.38389800	-6.54731700	9.30207700 L
C-C_R	-5.57135200	-5.69911500	8.51720900 L
H-H_	-5.30484500	-5.20281400	9.44308500 L
C-C_R	-5.07621700	-6.22301200	6.21752400 L
C-C_R	-6.25087600	-6.98126100	6.13602700 L
H-H_	-4.44053100	-6.12764700	5.34670300 L
N-N_R	-6.58785800	-7.63097700	4.93749400 L
C-C_R	-7.08252400	-7.09009600	7.25802100 L
C-C_R	-5.58483900	-8.22425800	4.15650700 L
C-C_R	-7.92754500	-7.69646100	4.52002300 L
H-H_	-7.98131500	-7.69348600	7.20073600 L
C-C_R	-5.62899000	-8.12938300	2.76014400 L
C-C_R	-4.52289200	-8.90620800	4.76538800 L
C-C_R	-8.77953900	-6.60063300	4.70023600 L
C-C_R	-8.41911900	-8.86158200	3.91895700 L
H-H_	-6.42246800	-7.56087200	2.28770800 L
C-C_R	-4.64786300	-8.72495900	1.99413800 L
H-H_	-4.48321600	-8.98372400	5.84488900 L
C-C_R	-3.54221100	-9.48972500	3.98956500 L
C-C_R	-10.10077700	-6.67824000	4.28944600 L
H-H_	-8.39457000	-5.69186600	5.14697900 L
H-H_	-7.76355500	-9.71327200	3.79319800 L
C-C_R	-9.74087600	-8.92417500	3.50870700 L
C-C_R	-3.59903500	-9.43342000	2.59233900 L
H-H_	-4.67937200	-8.62316900	0.91607300 L
H-H_	-2.70769900	-10.00152900	4.45248600 L

H-H_	-10.74952200	-5.82037000	4.42585000 L
C-C_R	-10.58760200	-7.83564300	3.69316400 L
H-H_	-10.11085500	-9.83328700	3.05077600 L
C-C_R	-2.50555200	-10.03946200	1.79941700 L
H-H_	-11.62122900	-7.88969900	3.37445700 L
N-N_R	-1.30682100	-9.90924900	2.35209300 L
C-C_R	-2.66777300	-10.65546100	0.53689500 L
C-C_R	-0.23034200	-10.27757500	1.64802400 L
N-N_R	-1.59427700	-10.94065100	-0.20385800 L
C-C_R	-3.95901200	-11.06349600	-0.04472700 L
C-C_R	-0.38831500	-10.73360900	0.30840800 L
C-C_R	1.06822600	-10.16815200	2.22105700 L
C-C_R	-5.01262900	-11.55034800	0.73726700 L
C-C_R	-4.12474400	-11.03996300	-1.43357300 L
C-C_R	0.78641500	-10.99767000	-0.46700400 L
C-C_R	2.21162400	-10.48031300	1.45296700 L
C-C_R	1.15758200	-9.66776100	3.54655900 L
C-C_R	-6.19979100	-11.95837400	0.16102100 L
H-H_	-4.88835100	-11.64432500	1.80951700 L
H-H_	-3.29968400	-10.70089200	-2.04834900 L
C-C_R	-5.31237800	-11.43503800	-2.01854000 L
C-C_R	2.03290600	-10.85799700	0.10745300 L
C-C_R	0.65101300	-11.44135900	-1.81152700 L
N-N_R	1.21943800	-9.25914600	4.63059400 L
H-H_	-6.99777000	-12.35694400	0.77655300 L
C-C_R	-6.37200900	-11.89195900	-1.22639800 L
H-H_	-5.43204500	-11.38778500	-3.09461100 L
H-H_	2.90503700	-11.09571600	-0.48742200 L
N-N_R	0.55553100	-11.80460800	-2.90778100 L
N-N_R	-7.58334900	-12.29592100	-1.81112200 L
C-C_R	-8.80345500	-11.94863000	-1.20481200 L
C-C_R	-7.57471700	-13.04368200	-3.00682200 L
C-C_R	-8.97297500	-10.67977800	-0.64019400 L
C-C_R	-9.86340500	-12.85966800	-1.16097500 L
C-C_R	-8.52162400	-12.79563400	-4.00377900 L
C-C_R	-6.61226300	-14.03705600	-3.20737100 L
H-H_	-8.15932600	-9.96635100	-0.68366500 L
C-C_R	-10.17694900	-10.33687600	-0.04448900 L
H-H_	-9.73231600	-13.84617900	-1.58879800 L
C-C_R	-11.06482800	-12.50411900	-0.57002000 L
H-H_	-9.25971100	-12.01526200	-3.85767800 L
C-C_R	-8.50619400	-13.53555900	-5.17559600 L
H-H_	-5.88177900	-14.23652800	-2.43226000 L
C-C_R	-6.59838000	-14.76197400	-4.38869600 L

H-H_	-10.29526700	-9.34412600	0.37585200 L
C-C_R	-11.23111700	-11.24202000	-0.00712100 L
H-H_	-11.87632800	-13.22300600	-0.54119700 L
C-C_R	-7.54506000	-14.51981600	-5.37721100 L
H-H_	-9.24287000	-13.33005100	-5.94301200 L
H-H_	-5.84476300	-15.52818000	-4.53042500 L
H-H_	-12.17391100	-10.96843100	0.45013900 L
H-H_	-7.53180900	-15.09046400	-6.29841100 L
C-C_R	12.65396000	-15.17006700	7.09808400 L
H-H_	11.95637300	-16.00067000	7.11672900 L
C-C_R	14.48174700	-13.95817700	8.07250000 L
H-H_	15.21078800	-13.82629300	8.86254100 L
C-C_R	13.59026900	-15.02426700	8.11543800 L
H-H_	13.62513200	-15.73394700	8.93403500 L
C-C_R	12.60986900	-14.27058000	6.04469800 L
C-C_R	13.49795700	-13.19296900	6.00598000 L
H-H_	11.88654100	-14.39458100	5.24839400 L
N-N_R	13.45099300	-12.26925500	4.94102500 L
C-C_R	14.43411100	-13.04202100	7.03190600 L
C-C_R	12.21371300	-11.83184400	4.44083900 L
C-C_R	14.64878900	-11.76641400	4.39399300 L
H-H_	15.11836700	-12.20241100	7.00924300 L
C-C_R	12.03863900	-11.62418800	3.06794000 L
C-C_R	11.13439600	-11.60025400	5.29977500 L
C-C_R	15.74024600	-12.61430000	4.18143000 L
C-C_R	14.76311300	-10.41482500	4.06358100 L
H-H_	12.85561200	-11.83610600	2.38960800 L
C-C_R	10.82976400	-11.16848900	2.57548400 L
H-H_	11.25299700	-11.76201000	6.36409600 L
C-C_R	9.92222500	-11.16574900	4.79712100 L
C-C_R	16.92111600	-12.11220400	3.65553800 L
H-H_	15.65328700	-13.66492700	4.43098300 L
H-H_	13.92310500	-9.75205300	4.23343500 L
C-C_R	15.94433000	-9.92363800	3.52651500 L
C-C_R	9.75169000	-10.91534000	3.43059400 L
H-H_	10.71508400	-11.03347200	1.50839200 L
H-H_	9.08399900	-11.00561000	5.46323400 L
H-H_	17.75739400	-12.78210100	3.49502900 L
C-C_R	17.03066400	-10.76744100	3.32144100 L
H-H_	16.01620300	-8.87065000	3.27830500 L
C-C_R	8.43253100	-10.48237700	2.93649900 L
H-H_	17.95564800	-10.37947700	2.91010000 L
N-N_R	7.39493400	-10.97966600	3.59065600 L
C-C_R	8.22147600	-9.62143100	1.81084500 L

C-C_R	6.16731800	-10.76103800	3.11821000 L
N-N_R	7.01648800	-9.48184100	1.29294600 L
C-C_R	9.27407800	-8.80535900	1.17223400 L
C-C_R	5.97289300	-10.06980200	1.89762100 L
C-C_R	5.02392100	-11.26289900	3.81076500 L
C-C_R	10.30592300	-8.20541800	1.90387100 L
C-C_R	9.20035100	-8.54809600	-0.19922700 L
C-C_R	4.66832700	-9.94700400	1.34344100 L
C-C_R	3.76841700	-11.11134800	3.26727000 L
C-C_R	5.19631600	-11.95245200	5.04674500 L
C-C_R	11.24298100	-7.40315900	1.28266600 L
H-H_	10.35977400	-8.34604300	2.97579800 L
H-H_	8.38524900	-8.97949200	-0.76614600 L
C-C_R	10.14906400	-7.76541300	-0.83156400 L
C-C_R	3.55729300	-10.48910900	2.01758700 L
C-C_R	4.53119800	-9.20424600	0.13984400 L
H-H_	2.91971500	-11.52576700	3.79504200 L
N-N_R	5.31069700	-12.51662500	6.05168200 L
H-H_	12.02264000	-6.92942900	1.86621900 L
C-C_R	11.19061200	-7.18545200	-0.09801800 L
H-H_	10.09036700	-7.60017500	-1.89992700 L
N-N_R	4.41733400	-8.59532100	-0.84039600 L
N-N_R	12.16102600	-6.39384900	-0.73158600 L
C-C_R	13.50872900	-6.47381800	-0.32507800 L
C-C_R	11.79916900	-5.53592900	-1.79025000 L
C-C_R	14.08472200	-7.70930300	-0.02228700 L
C-C_R	14.28740200	-5.31754900	-0.22635500 L
C-C_R	12.61748600	-5.41808500	-2.91626100 L
C-C_R	10.61694300	-4.79462000	-1.72578000 L
H-H_	13.48629600	-8.60856800	-0.10480800 L
C-C_R	15.41121000	-7.78411000	0.37583800 L
H-H_	13.84221400	-4.35681600	-0.45463700 L
C-C_R	15.61719600	-5.40206400	0.15969400 L
H-H_	13.53098900	-5.99837600	-2.97356200 L
C-C_R	12.26094700	-4.56741400	-3.95157700 L
H-H_	9.98188600	-4.87911700	-0.85284200 L
C-C_R	10.25995100	-3.96075400	-2.77387700 L
H-H_	15.84164700	-8.75232200	0.60344500 L
C-C_R	16.18600700	-6.63213200	0.46610200 L
H-H_	16.20738700	-4.49698200	0.23180600 L
C-C_R	11.08008400	-3.83680200	-3.89022400 L
H-H_	12.90517300	-4.48719400	-4.81898000 L
H-H_	9.33890700	-3.39338600	-2.71081800 L
H-H_	17.22563600	-6.69480900	0.76775900 L

H-H_	10.79989100	-3.17924700	-4.70458300 L
C-C_R	25.14935200	-4.55692300	7.32278200 L
H-H_	26.05872800	-3.97067200	7.37421900 L
C-C_R	23.15059600	-5.41167000	8.35343900 L
H-H_	22.50802500	-5.51084600	9.21989100 L
C-C_R	24.32057100	-4.66264500	8.43502400 L
H-H_	24.58707800	-4.16634400	9.36089900 L
C-C_R	24.81570600	-5.18654200	6.13533900 L
C-C_R	23.64104800	-5.94479000	6.05384200 L
H-H_	25.45139300	-5.09117600	5.26451800 L
N-N_R	23.30406500	-6.59450600	4.85530900 L
C-C_R	22.80940000	-6.05362600	7.17583500 L
C-C_R	24.30808400	-7.18775300	4.07431800 L
C-C_R	21.96437800	-6.65999000	4.43783800 L
H-H_	21.91160800	-6.65698100	7.11854700 L
C-C_R	24.26293300	-7.09291300	2.67795900 L
C-C_R	25.36903100	-7.86973800	4.68320300 L
C-C_R	21.11238400	-5.56416200	4.61805000 L
C-C_R	21.47280400	-7.82511200	3.83677200 L
H-H_	23.46945500	-6.52440100	2.20552200 L
C-C_R	25.24406000	-7.68848800	1.91195300 L
H-H_	25.40870700	-7.94725300	5.76270300 L
C-C_R	26.35071200	-8.45322000	3.90737700 L
C-C_R	19.79114600	-5.64177000	4.20726000 L
H-H_	21.49735300	-4.65539600	5.06479300 L
H-H_	22.12836800	-8.67680200	3.71101200 L
C-C_R	20.15204600	-7.88767000	3.42651900 L
C-C_R	26.29288800	-8.39694900	2.51015300 L
H-H_	25.21255100	-7.58669900	0.83388800 L
H-H_	27.18422400	-8.96505900	4.37030000 L
H-H_	19.14240100	-4.78389900	4.34366400 L
C-C_R	19.30432100	-6.79917300	3.61097800 L
H-H_	19.78106900	-8.79681600	2.96859000 L
C-C_R	27.38637100	-9.00299100	1.71723200 L
H-H_	18.27069400	-6.85322900	3.29227200 L
N-N_R	28.58510200	-8.87277900	2.26990800 L
C-C_R	27.22415000	-9.61899000	0.45471000 L
C-C_R	29.66258100	-9.24106900	1.56583500 L
N-N_R	28.29764600	-9.90418000	-0.28604300 L
C-C_R	25.93291100	-10.02702500	-0.12691300 L
C-C_R	29.50360800	-9.69713900	0.22622200 L
C-C_R	30.96014900	-9.13168200	2.13887100 L
C-C_R	24.87929400	-10.51387700	0.65508200 L
C-C_R	25.76717900	-10.00349200	-1.51575900 L

C-C_R	30.67833800	-9.96119900	-0.54919000 L
C-C_R	32.10354700	-9.44384300	1.37078200 L
C-C_R	31.04950500	-8.63129100	3.46437400 L
C-C_R	23.69213200	-10.92190400	0.07883500 L
H-H_	25.00357200	-10.60785500	1.72733200 L
H-H_	26.59223900	-9.66442100	-2.13053400 L
C-C_R	24.57954500	-10.39856800	-2.10072500 L
C-C_R	31.92483000	-9.82152600	0.02526700 L
C-C_R	30.54293700	-10.40488800	-1.89371200 L
N-N_R	31.11136200	-8.22267600	4.54840800 L
H-H_	22.89415300	-11.32047300	0.69436800 L
C-C_R	23.51991500	-10.85548800	-1.30858300 L
H-H_	24.45987800	-10.35131400	-3.17679600 L
H-H_	32.79696000	-10.05924600	-0.56960800 L
N-N_R	30.44745400	-10.76813800	-2.98996700 L
N-N_R	22.30857400	-11.25945100	-1.89330700 L
C-C_R	21.08846800	-10.91215900	-1.28699700 L
C-C_R	22.31720600	-12.00721200	-3.08900800 L
C-C_R	20.91894800	-9.64330800	-0.72237900 L
C-C_R	20.02851800	-11.82319700	-1.24316100 L
C-C_R	21.37029900	-11.75916300	-4.08596400 L
C-C_R	23.27966000	-13.00058500	-3.28955700 L
H-H_	21.73259800	-8.92988100	-0.76585000 L
C-C_R	19.71497400	-9.30040500	-0.12667400 L
H-H_	20.15960700	-12.80970800	-1.67098400 L
C-C_R	18.82809500	-11.46761400	-0.65220800 L
H-H_	20.63221200	-10.97879100	-3.93986400 L
C-C_R	21.38572900	-12.49908900	-5.25778200 L
H-H_	24.01014400	-13.20005800	-2.51444500 L
C-C_R	23.29354300	-13.72550400	-4.47088200 L
H-H_	19.59665600	-8.30765600	0.29366600 L
C-C_R	18.66080600	-10.20555000	-0.08930600 L
H-H_	18.01659500	-12.18650100	-0.62338500 L
C-C_R	22.34686300	-13.48334600	-5.45939700 L
H-H_	20.64905400	-12.29358000	-6.02519700 L
H-H_	24.04716000	-14.49170900	-4.61261000 L
H-H_	17.71801200	-9.93196100	0.36795300 L
H-H_	22.36011500	-14.05399300	-6.38059700 L
C-C_R	42.54588300	-14.13359700	7.01589900 L
H-H_	41.84829600	-14.96420000	7.03454300 L
C-C_R	44.37367000	-12.92170600	7.99031400 L
H-H_	45.10271100	-12.78982200	8.78035500 L
C-C_R	43.48319200	-13.98776200	8.03325000 L
H-H_	43.51705500	-14.69747700	8.85185000 L

C-C_R	42.50179200	-13.23410900	5.96251300 L
C-C_R	43.38988000	-12.15649900	5.92379400 L
H-H_	41.77846400	-13.35811100	5.16620800 L
N-N_R	43.34291600	-11.23278500	4.85884000 L
C-C_R	44.32603400	-12.00555100	6.94972000 L
C-C_R	42.10663600	-10.79533900	4.35865100 L
C-C_R	44.54071200	-10.72994400	4.31180700 L
H-H_	45.01029000	-11.16594000	6.92705800 L
C-C_R	41.93056200	-10.58771700	2.98575500 L
C-C_R	41.02631900	-10.56378400	5.21758900 L
C-C_R	45.63216900	-11.57782900	4.09924500 L
C-C_R	44.65603600	-9.37831900	3.98139300 L
H-H_	42.74753600	-10.79963500	2.30742300 L
C-C_R	40.72268700	-10.13198400	2.49329600 L
H-H_	41.14492000	-10.72553900	6.28191100 L
C-C_R	39.81414800	-10.12927900	4.71493600 L
C-C_R	46.81303900	-11.07573400	3.57335300 L
H-H_	45.54521000	-12.62845700	4.34879700 L
H-H_	43.81502900	-8.71558300	4.15125000 L
C-C_R	45.83625400	-8.88716700	3.44432900 L
C-C_R	39.64461200	-9.87883500	3.34840500 L
H-H_	40.60700700	-9.99700200	1.42620700 L
H-H_	38.97592300	-9.96913900	5.38104800 L
H-H_	47.64931700	-11.74563000	3.41284400 L
C-C_R	46.92258700	-9.73097000	3.23925500 L
H-H_	45.90812600	-7.83417900	3.19611900 L
C-C_R	38.32445500	-9.44590700	2.85431300 L
H-H_	47.84757200	-9.34300700	2.82791400 L
N-N_R	37.28685700	-9.94319600	3.50847000 L
C-C_R	38.11340000	-8.58496000	1.72866000 L
C-C_R	36.05924100	-9.72456800	3.03602400 L
N-N_R	36.90841100	-8.44537000	1.21076100 L
C-C_R	39.16600200	-7.76888900	1.09004800 L
C-C_R	35.86481600	-9.03333200	1.81543500 L
C-C_R	34.91584400	-10.22642800	3.72858000 L
C-C_R	40.19784600	-7.16894800	1.82168600 L
C-C_R	39.09227400	-7.51162500	-0.28141300 L
C-C_R	34.56025000	-8.91053300	1.26125600 L
C-C_R	33.66034000	-10.07487700	3.18508500 L
C-C_R	35.08824000	-10.91598200	4.96456000 L
C-C_R	41.13490500	-6.36668800	1.20048000 L
H-H_	40.25169700	-7.30957200	2.89361200 L
H-H_	38.27717300	-7.94302100	-0.84833200 L
C-C_R	40.04098700	-6.72894300	-0.91374900 L

C-C_R	33.45021600	-9.45260400	1.93539800 L
C-C_R	34.42312100	-8.16777600	0.05765800 L
H-H_	32.81163800	-10.48929700	3.71285600 L
N-N_R	35.20262000	-11.48015500	5.96949600 L
H-H_	41.91456300	-5.89295800	1.78403300 L
C-C_R	41.08253500	-6.14898200	-0.18020300 L
H-H_	39.98329000	-6.56367000	-1.98211500 L
N-N_R	34.30925800	-7.55885000	-0.92258200 L
N-N_R	42.05294900	-5.35737900	-0.81377100 L
C-C_R	43.40065200	-5.43734800	-0.40726400 L
C-C_R	41.69109200	-4.49945800	-1.87243600 L
C-C_R	43.97664500	-6.67283300	-0.10447200 L
C-C_R	44.17932600	-4.28107800	-0.30854000 L
C-C_R	42.51040800	-4.38158000	-2.99844900 L
C-C_R	40.50886600	-3.75815000	-1.80796600 L
H-H_	43.37821900	-7.57209800	-0.18699300 L
C-C_R	45.30313300	-6.74763900	0.29365200 L
H-H_	43.73413700	-3.32034500	-0.53682300 L
C-C_R	45.50911900	-4.36559300	0.07750800 L
H-H_	43.42291200	-4.96190600	-3.05574700 L
C-C_R	42.15287000	-3.53094300	-4.03376200 L
H-H_	39.87380900	-3.84264600	-0.93502800 L
C-C_R	40.15287400	-2.92424900	-2.85606500 L
H-H_	45.73357000	-7.71585100	0.52126000 L
C-C_R	46.07793000	-5.59566200	0.38391700 L
H-H_	46.09931000	-3.46051100	0.14962000 L
C-C_R	40.97200700	-2.80033100	-3.97241000 L
H-H_	42.79709700	-3.45072400	-4.90116600 L
H-H_	39.23083000	-2.35691600	-2.79300400 L
H-H_	47.11755900	-5.65833800	0.68557400 L
H-H_	40.69181400	-2.14277700	-4.78676800 L
C-C_R	-34.68429700	-5.81944500	-0.40619700 L
H-H_	-33.77492100	-5.23319500	-0.35475900 L
C-C_R	-36.68305300	-6.67419300	0.62446100 L
H-H_	-37.32562400	-6.77336900	1.49091300 L
C-C_R	-35.51307800	-5.92516700	0.70604500 L
H-H_	-35.24657100	-5.42886600	1.63192100 L
C-C_R	-35.01794300	-6.44906400	-1.59364000 L
C-C_R	-36.19260100	-7.20731300	-1.67513700 L
H-H_	-34.38225600	-6.35369900	-2.46446100 L
N-N_R	-36.53058300	-7.85706300	-2.87366700 L
C-C_R	-37.02424900	-7.31614800	-0.55314300 L
C-C_R	-35.52656400	-8.45031000	-3.65465700 L
C-C_R	-37.87027100	-7.92254700	-3.29113800 L

H-H_	-37.92304100	-7.91953800	-0.61042800 L
C-C_R	-35.57071600	-8.35543500	-5.05102000 L
C-C_R	-34.46461800	-9.13226000	-3.04577600 L
C-C_R	-38.72126500	-6.82668400	-3.11092800 L
C-C_R	-38.36084500	-9.08763400	-3.89220700 L
H-H_	-36.36518700	-7.78706000	-5.52245900 L
C-C_R	-34.58958900	-8.95101000	-5.81702600 L
H-H_	-34.42494200	-9.20977600	-1.96627500 L
C-C_R	-33.48393600	-9.71577700	-3.82159900 L
C-C_R	-40.04250300	-6.90429200	-3.52171800 L
H-H_	-38.33629000	-5.91802000	-2.66319000 L
H-H_	-37.70628000	-9.93935900	-4.01796400 L
C-C_R	-39.68260200	-9.15022700	-4.30245700 L
C-C_R	-33.54076100	-9.65947200	-5.21882500 L
H-H_	-34.62109800	-8.84922100	-6.89509100 L
H-H_	-32.64941800	-10.22768300	-3.35768300 L
H-H_	-40.69124800	-6.04642100	-3.38531400 L
C-C_R	-40.52932800	-8.06169500	-4.11800000 L
H-H_	-40.05258100	-10.05933900	-4.76038800 L
C-C_R	-32.44727200	-10.26561600	-6.01075200 L
H-H_	-41.56295500	-8.11575100	-4.43670700 L
N-N_R	-31.24854700	-10.13530100	-5.45907100 L
C-C_R	-32.60949300	-10.88161500	-7.27327400 L
C-C_R	-30.17206800	-10.50362600	-6.16314000 L
N-N_R	-31.53699600	-11.16683900	-8.01402400 L
C-C_R	-33.90173700	-11.28958200	-7.85588800 L
C-C_R	-30.33003500	-10.95976300	-7.50176200 L
C-C_R	-28.87349400	-10.39430600	-5.58911200 L
C-C_R	-34.95435500	-11.77640000	-7.07389700 L
C-C_R	-34.06647000	-11.26601500	-9.24473700 L
C-C_R	-29.15531100	-11.22372200	-8.27816800 L
C-C_R	-27.73010200	-10.70636500	-6.35819700 L
C-C_R	-28.78514300	-9.89384800	-4.26460200 L
C-C_R	-36.14251600	-12.18446100	-7.65014000 L
H-H_	-34.83007100	-11.87047900	-6.00065200 L
H-H_	-33.24141000	-10.92694400	-9.85951300 L
C-C_R	-35.25509700	-11.66122700	-9.82870600 L
C-C_R	-27.90881900	-11.08404900	-7.70371100 L
C-C_R	-29.29070600	-11.66751300	-9.62169600 L
N-N_R	-28.72228800	-9.48519800	-3.18057000 L
H-H_	-36.94049500	-12.58303000	-7.03460800 L
C-C_R	-36.31373400	-12.11801100	-9.03756200 L
H-H_	-35.37376500	-11.61393900	-10.90478000 L
H-H_	-27.03668900	-11.32176800	-8.29858600 L

N-N_R	-29.38719400	-12.03069500	-10.71894300 L
N-N_R	-37.52507500	-12.52197300	-9.62228600 L
C-C_R	-38.74517400	-12.17478400	-9.01498100 L
C-C_R	-37.51644300	-13.26973400	-10.81798600 L
C-C_R	-38.91470100	-10.90583000	-8.45135800 L
C-C_R	-39.80512400	-13.08582200	-8.97114500 L
C-C_R	-38.46335000	-13.02168600	-11.81494300 L
C-C_R	-36.55398900	-14.26310800	-11.01853500 L
H-H_	-38.10105100	-10.19240300	-8.49482900 L
C-C_R	-40.11867500	-10.56292800	-7.85565300 L
H-H_	-39.67404200	-14.07223100	-9.39996200 L
C-C_R	-41.00654800	-12.73027300	-8.38018900 L
H-H_	-39.20143700	-12.24131400	-11.66884200 L
C-C_R	-38.44792000	-13.76161100	-12.98676000 L
H-H_	-35.82350500	-14.46258000	-10.24342400 L
C-C_R	-36.54010600	-14.98802600	-12.19986000 L
H-H_	-40.23699300	-9.57017800	-7.43531200 L
C-C_R	-41.17284300	-11.46807200	-7.81828500 L
H-H_	-41.81805400	-13.44905800	-8.35236100 L
C-C_R	-37.48678600	-14.74586800	-13.18837500 L
H-H_	-39.18459500	-13.55610200	-13.75417600 L
H-H_	-35.78748800	-15.75426600	-12.34158600 L
H-H_	-42.11563700	-11.19448300	-7.36102500 L
H-H_	-37.47353400	-15.31651600	-14.10957500 L
C-C_R	-17.28775900	-15.39622100	-0.71208500 L
H-H_	-17.98535300	-16.22672200	-0.69443500 L
C-C_R	-15.45997900	-14.18422800	0.26133600 L
H-H_	-14.73093800	-14.05234500	1.05137700 L
C-C_R	-16.35145700	-15.25031900	0.30427400 L
H-H_	-16.31659400	-15.95999900	1.12287100 L
C-C_R	-17.33185000	-14.49673400	-1.76547100 L
C-C_R	-16.44376900	-13.41902100	-1.80518400 L
H-H_	-18.05518500	-14.62063300	-2.56277000 L
N-N_R	-16.49073300	-12.49530700	-2.87013900 L
C-C_R	-15.50760900	-13.26817500	-0.77826300 L
C-C_R	-17.72801300	-12.05789600	-3.37032500 L
C-C_R	-15.29293700	-11.99246600	-3.41717100 L
H-H_	-14.82335200	-12.42856500	-0.80092600 L
C-C_R	-17.90308000	-11.85034200	-4.74222900 L
C-C_R	-18.80733000	-11.82630600	-2.51138900 L
C-C_R	-14.20148000	-12.84035200	-3.62973400 L
C-C_R	-15.17861200	-10.64087600	-3.74758200 L
H-H_	-17.08611300	-12.06215800	-5.42155600 L
C-C_R	-19.11195600	-11.39464300	-5.23468500 L

H-H_	-18.68872900	-11.98806200	-1.44706800 L
C-C_R	-20.01950100	-11.39180100	-3.01404300 L
C-C_R	-13.02161000	-12.33829100	-4.15562300 L
H-H_	-14.28843900	-13.89097900	-3.38018100 L
H-H_	-16.01861400	-9.97820700	-3.57673400 L
C-C_R	-13.99739500	-10.14969000	-4.28464900 L
C-C_R	-20.19003600	-11.14139200	-4.38057000 L
H-H_	-19.22664200	-11.25952400	-6.30277200 L
H-H_	-20.85772600	-11.23166100	-2.34793000 L
H-H_	-12.18433200	-13.00815300	-4.31613500 L
C-C_R	-12.91105600	-10.99359500	-4.48872900 L
H-H_	-13.92552300	-9.09670100	-4.53285900 L
C-C_R	-21.50918800	-10.70853100	-4.87367000 L
H-H_	-11.98707700	-10.60556300	-4.90106200 L
N-N_R	-22.54678500	-11.20582000	-4.21951400 L
C-C_R	-21.72024900	-9.84748200	-6.00031900 L
C-C_R	-23.77440800	-10.98709000	-4.69295400 L
N-N_R	-22.92523800	-9.70789300	-6.51821800 L
C-C_R	-20.66764100	-9.03151300	-6.63793500 L
C-C_R	-23.96883300	-10.29585400	-5.91354300 L
C-C_R	-24.91779900	-11.48905300	-3.99940400 L
C-C_R	-19.63680200	-8.43150500	-5.90729000 L
C-C_R	-20.74137500	-8.77414800	-8.01039100 L
C-C_R	-25.27339300	-10.17315800	-6.46672800 L
C-C_R	-26.17330900	-11.33740000	-4.54389400 L
C-C_R	-24.74540900	-12.17850400	-2.76441900 L
C-C_R	-18.69874400	-7.62921000	-6.52849800 L
H-H_	-19.58195200	-8.57209400	-4.83536600 L
H-H_	-21.55647700	-9.20554300	-8.57731000 L
C-C_R	-19.79366100	-7.99150000	-8.64272500 L
C-C_R	-26.38443300	-10.71516100	-5.79357700 L
C-C_R	-25.41052800	-9.43029800	-7.67132000 L
H-H_	-27.02201100	-11.75181900	-4.01612200 L
N-N_R	-24.63102900	-12.74267700	-1.75948200 L
H-H_	-17.91908000	-7.15558300	-5.94395100 L
C-C_R	-18.75111400	-7.41150400	-7.90918200 L
H-H_	-19.85135900	-7.82622700	-9.71109100 L
N-N_R	-25.52439100	-8.82137300	-8.65156000 L
N-N_R	-17.78069300	-6.62000300	-8.54175500 L
C-C_R	-16.43299100	-6.69997200	-8.13524700 L
C-C_R	-18.14255700	-5.76198100	-9.60141400 L
C-C_R	-15.85699700	-7.93545700	-7.83245600 L
C-C_R	-15.65432300	-5.54360100	-8.03751900 L
C-C_R	-17.32424000	-5.64413700	-10.72742500 L

C-C_R	-19.32478300	-5.02067200	-9.53694400 L
H-H_	-16.45543000	-8.83462000	-7.91597200 L
C-C_R	-14.53051600	-8.01016100	-7.43532600 L
H-H_	-16.09951200	-4.58286700	-8.26580100 L
C-C_R	-14.32453000	-5.62811500	-7.65147000 L
H-H_	-16.41073700	-6.22442800	-10.78472600 L
C-C_R	-17.68077900	-4.79346500	-11.76274100 L
H-H_	-19.95983400	-5.10527100	-8.66301200 L
C-C_R	-19.68177400	-4.18680600	-10.58504100 L
H-H_	-14.10007900	-8.97837400	-7.20771900 L
C-C_R	-13.75571900	-6.85818400	-7.34506200 L
H-H_	-13.73433300	-4.72313600	-7.57836300 L
C-C_R	-18.86264100	-4.06288800	-11.70138600 L
H-H_	-17.03655200	-4.71324600	-12.63014400 L
H-H_	-20.60281900	-3.61943800	-10.52198200 L
H-H_	-12.71609000	-6.92086000	-7.04340400 L
H-H_	-19.14183500	-3.40529900	-12.51574700 L
C-C_R	-4.79237300	-4.78297400	-0.48838200 L
H-H_	-3.88299800	-4.19672400	-0.43694500 L
C-C_R	-6.79113000	-5.63772200	0.54227500 L
H-H_	-7.43370100	-5.73689800	1.40872700 L
C-C_R	-5.62115500	-4.88869600	0.62386000 L
H-H_	-5.35464800	-4.39239500	1.54973500 L
C-C_R	-5.12602000	-5.41259300	-1.67582500 L
C-C_R	-6.30067800	-6.17084200	-1.75732200 L
H-H_	-4.49033300	-5.31722800	-2.54664600 L
N-N_R	-6.63766000	-6.82055800	-2.95585500 L
C-C_R	-7.13232600	-6.27967800	-0.63532900 L
C-C_R	-5.63464100	-7.41383900	-3.73684300 L
C-C_R	-7.97734800	-6.88604200	-3.37332600 L
H-H_	-8.03111800	-6.88306800	-0.69261400 L
C-C_R	-5.67879200	-7.31896400	-5.13320500 L
C-C_R	-4.57269500	-8.09579000	-3.12796100 L
C-C_R	-8.82934100	-5.79021400	-3.19311400 L
C-C_R	-8.46892200	-8.05116400	-3.97439200 L
H-H_	-6.47226500	-6.75055500	-5.60464700 L
C-C_R	-4.69766600	-7.91454000	-5.89921100 L
H-H_	-4.53301800	-8.17330500	-2.04846100 L
C-C_R	-3.59201300	-8.67930600	-3.90378400 L
C-C_R	-10.15057900	-5.86782200	-3.60390400 L
H-H_	-8.44436600	-4.88155000	-2.74537600 L
H-H_	-7.81335700	-8.90285400	-4.10015200 L
C-C_R	-9.79067900	-8.11375700	-4.38464300 L
C-C_R	-3.64883800	-8.62300100	-5.30101100 L

H-H_	-4.72917400	-7.81275100	-6.97727600 L
H-H_	-2.75749500	-9.19121300	-3.43986900 L
H-H_	-10.79932400	-5.00995100	-3.46750000 L
C-C_R	-10.63740500	-7.02522500	-4.20018600 L
H-H_	-10.16065700	-9.02286800	-4.84257400 L
C-C_R	-2.55534800	-9.22914500	-6.09293800 L
H-H_	-11.67103200	-7.07928100	-4.51889200 L
N-N_R	-1.35662400	-9.09883100	-5.54125600 L
C-C_R	-2.71756900	-9.84514400	-7.35546000 L
C-C_R	-0.28014400	-9.46715600	-6.24532600 L
N-N_R	-1.64407300	-10.13033400	-8.09621300 L
C-C_R	-4.00881500	-10.25307700	-7.93807700 L
C-C_R	-0.43811100	-9.92329300	-7.58394700 L
C-C_R	1.01843000	-9.35783600	-5.67129800 L
C-C_R	-5.06243200	-10.73992900	-7.15608200 L
C-C_R	-4.17454600	-10.22954400	-9.32692300 L
C-C_R	0.73661200	-10.18725100	-8.36035400 L
C-C_R	2.16182100	-9.66989500	-6.44038200 L
C-C_R	1.10777900	-8.85734300	-4.34679000 L
C-C_R	-6.24959300	-11.14795600	-7.73232900 L
H-H_	-4.93814700	-10.83400900	-6.08283800 L
H-H_	-3.34948700	-9.89047300	-9.94169800 L
C-C_R	-5.36217500	-10.62472100	-9.91089500 L
C-C_R	1.98310400	-10.04757800	-7.78589700 L
C-C_R	0.60121700	-10.63104200	-9.70388200 L
N-N_R	1.16963600	-8.44872800	-3.26275600 L
H-H_	-7.04757300	-11.54652500	-7.11679600 L
C-C_R	-6.42181100	-11.08154000	-9.11974700 L
H-H_	-5.48184100	-10.57746800	-10.98696600 L
H-H_	2.85523400	-10.28529800	-8.38077200 L
N-N_R	0.50572900	-10.99419000	-10.80113100 L
N-N_R	-7.63315100	-11.48550300	-9.70447100 L
C-C_R	-8.85325100	-11.13831300	-9.09716600 L
C-C_R	-7.62452000	-12.23326300	-10.90017200 L
C-C_R	-9.02277800	-9.86936000	-8.53354300 L
C-C_R	-9.91320100	-12.04935100	-9.05333000 L
C-C_R	-8.57142700	-11.98521500	-11.89712800 L
C-C_R	-6.66206600	-13.22663700	-11.10072100 L
H-H_	-8.20912800	-9.15593300	-8.57701400 L
C-C_R	-10.22675100	-9.52645700	-7.93783800 L
H-H_	-9.78211800	-13.03576000	-9.48214800 L
C-C_R	-11.11462400	-11.69380200	-8.46237500 L
H-H_	-9.30951400	-11.20484300	-11.75102800 L
C-C_R	-8.55599700	-12.72514100	-13.06894600 L

H-H_	-5.93158200	-13.42611000	-10.32560900 L
C-C_R	-6.64818300	-13.95155600	-12.28204600 L
H-H_	-10.34507000	-8.53370800	-7.51749800 L
C-C_R	-11.28092000	-10.43160200	-7.90047000 L
H-H_	-11.92613000	-12.41258700	-8.43454600 L
C-C_R	-7.59486300	-13.70939700	-13.27056100 L
H-H_	-9.29267200	-12.51963200	-13.83636100 L
H-H_	-5.89456500	-14.71776100	-12.42377400 L
H-H_	-12.22371400	-10.15801300	-7.44321100 L
H-H_	-7.58161100	-14.28004500	-14.19176100 L
C-C_R	12.60416400	-14.35975100	-0.79427100 L
H-H_	11.90657000	-15.19025200	-0.77662100 L
C-C_R	14.43194400	-13.14775800	0.17915000 L
H-H_	15.16098500	-13.01587400	0.96919100 L
C-C_R	13.54046600	-14.21384900	0.22208900 L
H-H_	13.57532900	-14.92352900	1.04068600 L
C-C_R	12.56007300	-13.46026300	-1.84765700 L
C-C_R	13.44815400	-12.38255100	-1.88737000 L
H-H_	11.83673800	-13.58416300	-2.64495600 L
N-N_R	13.40119000	-11.45883700	-2.95232400 L
C-C_R	14.38431500	-12.23170500	-0.86044900 L
C-C_R	12.16391100	-11.02142500	-3.45251000 L
C-C_R	14.59898600	-10.95599600	-3.49935700 L
H-H_	15.06857100	-11.39209400	-0.88311100 L
C-C_R	11.98884300	-10.81387100	-4.82441500 L
C-C_R	11.08459300	-10.78983600	-2.59357500 L
C-C_R	15.69044400	-11.80388100	-3.71191900 L
C-C_R	14.71331100	-9.60440600	-3.82976800 L
H-H_	12.80581000	-11.02568700	-5.50374100 L
C-C_R	10.77996800	-10.35817300	-5.31687100 L
H-H_	11.20319500	-10.95159100	-1.52925300 L
C-C_R	9.87242200	-10.35533000	-3.09622800 L
C-C_R	16.87131300	-11.30178600	-4.23781100 L
H-H_	15.60348400	-12.85450900	-3.46236700 L
H-H_	13.87330900	-8.94173700	-3.65891900 L
C-C_R	15.89452800	-9.11321900	-4.36683500 L
C-C_R	9.70188700	-10.10492100	-4.46275600 L
H-H_	10.66528100	-10.22305300	-6.38495700 L
H-H_	9.03419700	-10.19519100	-2.43011600 L
H-H_	17.70759100	-11.97168200	-4.39832000 L
C-C_R	16.98086800	-9.95712400	-4.57091400 L
H-H_	15.96640000	-8.06023100	-4.61504500 L
C-C_R	8.38273500	-9.67206100	-4.95585600 L
H-H_	17.90584600	-9.56905800	-4.98325000 L

N-N_R	7.34513800	-10.16935000	-4.30169900 L
C-C_R	8.17167400	-8.81101200	-6.08250400 L
C-C_R	6.11751500	-9.95061900	-4.77514000 L
N-N_R	6.96668500	-8.67142200	-6.60040300 L
C-C_R	9.22428200	-7.99504300	-6.72012100 L
C-C_R	5.92309100	-9.25938300	-5.99572900 L
C-C_R	4.97412500	-10.45258200	-4.08159000 L
C-C_R	10.25612000	-7.39500000	-5.98947800 L
C-C_R	9.15054800	-7.73767700	-8.09257700 L
C-C_R	4.61853000	-9.13668700	-6.54891400 L
C-C_R	3.71861400	-10.30092900	-4.62607900 L
C-C_R	5.14651400	-11.14203400	-2.84660400 L
C-C_R	11.19317900	-6.59274000	-6.61068400 L
H-H_	10.30997100	-7.53562400	-4.91755200 L
H-H_	8.33544700	-8.16907300	-8.65949600 L
C-C_R	10.09926200	-6.95499400	-8.72491300 L
C-C_R	3.50749100	-9.67869100	-5.87576300 L
C-C_R	4.48139500	-8.39382800	-7.75350600 L
H-H_	2.86991300	-10.71534900	-4.09830800 L
N-N_R	5.26089500	-11.70620700	-1.84166800 L
H-H_	11.97284400	-6.11911200	-6.02613600 L
C-C_R	11.14080900	-6.37503300	-7.99136700 L
H-H_	10.04056400	-6.78975700	-9.79327600 L
N-N_R	4.36753200	-7.78490200	-8.73374600 L
N-N_R	12.11123000	-5.58353300	-8.62394100 L
C-C_R	13.45893200	-5.66350200	-8.21743300 L
C-C_R	11.74936600	-4.72551000	-9.68360000 L
C-C_R	14.03492600	-6.89898700	-7.91464100 L
C-C_R	14.23760000	-4.50713000	-8.11970400 L
C-C_R	12.56768300	-4.60766700	-10.80961100 L
C-C_R	10.56714000	-3.98420200	-9.61913000 L
H-H_	13.43649300	-7.79814900	-7.99815700 L
C-C_R	15.36140700	-6.97369100	-7.51751200 L
H-H_	13.79241100	-3.54639700	-8.34798700 L
C-C_R	15.56739300	-4.59164500	-7.73365600 L
H-H_	13.48118700	-5.18795700	-10.86691100 L
C-C_R	12.21114500	-3.75699500	-11.84492600 L
H-H_	9.93209000	-4.06880000	-8.74519700 L
C-C_R	10.21014900	-3.15033600	-10.66722600 L
H-H_	15.79184400	-7.94190300	-7.28990400 L
C-C_R	16.13620400	-5.82171400	-7.42724700 L
H-H_	16.15759000	-3.68666500	-7.66054900 L
C-C_R	11.03028200	-3.02638300	-11.78357400 L
H-H_	12.85537100	-3.67677600	-12.71233000 L

H-H_	9.28910400	-2.58296700	-10.60416800 L
H-H_	17.17583300	-5.88439000	-7.12559000 L
H-H_	10.75008800	-2.36882900	-12.59793200 L
C-C_R	25.09955000	-3.74650400	-0.57056800 L
H-H_	26.00892500	-3.16025400	-0.51913000 L
C-C_R	23.10079300	-4.60125200	0.46009000 L
H-H_	22.45822300	-4.70042800	1.32654200 L
C-C_R	24.27076900	-3.85222600	0.54167400 L
H-H_	24.53727500	-3.35592500	1.46755000 L
C-C_R	24.76590300	-4.37612300	-1.75801100 L
C-C_R	23.59124500	-5.13437200	-1.83950800 L
H-H_	25.40159000	-4.28075800	-2.62883200 L
N-N_R	23.25426300	-5.78408800	-3.03804100 L
C-C_R	22.75959700	-5.24320700	-0.71751400 L
C-C_R	24.25828100	-6.37733400	-3.81903100 L
C-C_R	21.91457500	-5.84957200	-3.45551200 L
H-H_	21.86180500	-5.84656300	-0.77480200 L
C-C_R	24.21313100	-6.28249400	-5.21539100 L
C-C_R	25.31922800	-7.05931900	-3.21014700 L
C-C_R	21.06258200	-4.75374400	-3.27529900 L
C-C_R	21.42300100	-7.01469300	-4.05657800 L
H-H_	23.41965900	-5.71408500	-5.68683300 L
C-C_R	25.19425700	-6.87807000	-5.98139700 L
H-H_	25.35890500	-7.13683500	-2.13064600 L
C-C_R	26.30090900	-7.64280100	-3.98597200 L
C-C_R	19.74134400	-4.83135100	-3.68608900 L
H-H_	21.44755700	-3.84507900	-2.82756100 L
H-H_	22.07856600	-7.86638300	-4.18233700 L
C-C_R	20.10224400	-7.07725100	-4.46683100 L
C-C_R	26.24308500	-7.58653100	-5.38319600 L
H-H_	25.16274900	-6.77628000	-7.05946200 L
H-H_	27.13442800	-8.15474200	-3.52205400 L
H-H_	19.09259900	-3.97348100	-3.54968500 L
C-C_R	19.25451900	-5.98875400	-4.28237200 L
H-H_	19.73126600	-7.98639800	-4.92475900 L
C-C_R	27.33657500	-8.19267500	-6.17512300 L
H-H_	18.22089100	-6.04281000	-4.60107800 L
N-N_R	28.53529900	-8.06236000	-5.62344200 L
C-C_R	27.17435400	-8.80867400	-7.43764500 L
C-C_R	29.61277800	-8.43065100	-6.32751400 L
N-N_R	28.24785000	-9.09386400	-8.17839800 L
C-C_R	25.88310900	-9.21660700	-8.02026200 L
C-C_R	29.45381200	-8.88682200	-7.66613300 L
C-C_R	30.91035300	-8.32136500	-5.75348400 L

C-C_R	24.82949100	-9.70345900	-7.23826800 L
C-C_R	25.71737700	-9.19307400	-9.40910800 L
C-C_R	30.62853500	-9.15078100	-8.44253900 L
C-C_R	32.05374400	-8.63342400	-6.52256800 L
C-C_R	30.99970300	-7.82087200	-4.42897600 L
C-C_R	23.64233000	-10.11148500	-7.81451400 L
H-H_	24.95377600	-9.79753800	-6.16502300 L
H-H_	26.54243600	-8.85400300	-10.02388400 L
C-C_R	24.52974800	-9.58825100	-9.99308000 L
C-C_R	31.87502700	-9.01110800	-7.86808200 L
C-C_R	30.49314000	-9.59457200	-9.78606700 L
N-N_R	31.06155900	-7.41225700	-3.34494100 L
H-H_	22.84435100	-10.51005500	-7.19898200 L
C-C_R	23.47011200	-10.04507000	-9.20193300 L
H-H_	24.41008200	-9.54099800	-11.06915100 L
H-H_	32.74715700	-9.24882700	-8.46295800 L
N-N_R	30.39765200	-9.95772000	-10.88331600 L
N-N_R	22.25877200	-10.44903200	-9.78665700 L
C-C_R	21.03867200	-10.10184300	-9.17935200 L
C-C_R	22.26740400	-11.19679300	-10.98235700 L
C-C_R	20.86914500	-8.83288900	-8.61572900 L
C-C_R	19.97872200	-11.01288100	-9.13551600 L
C-C_R	21.32049600	-10.94874500	-11.97931400 L
C-C_R	23.22985800	-12.19016700	-11.18290600 L
H-H_	21.68279500	-8.11946200	-8.65920000 L
C-C_R	19.66517200	-8.48998700	-8.02002400 L
H-H_	20.10980500	-11.99929000	-9.56433300 L
C-C_R	18.77829800	-10.65729700	-8.54456300 L
H-H_	20.58241000	-10.16837300	-11.83321300 L
C-C_R	21.33592600	-11.68867000	-13.15113100 L
H-H_	23.96034100	-12.38963900	-10.40779500 L
C-C_R	23.24374100	-12.91508500	-12.36423100 L
H-H_	19.54685400	-7.49723700	-7.59968300 L
C-C_R	18.61100300	-9.39513100	-7.98265600 L
H-H_	17.96679200	-11.37608200	-8.51673500 L
C-C_R	22.29706100	-12.67292700	-13.35274600 L
H-H_	20.59925100	-11.48316200	-13.91854700 L
H-H_	23.99735800	-13.68129100	-12.50596000 L
H-H_	17.66820900	-9.12154200	-7.52539600 L
H-H_	22.31031200	-13.24357500	-14.27394600 L
C-C_R	42.49608700	-13.32328000	-0.87645600 L
H-H_	41.79849300	-14.15378100	-0.85880600 L
C-C_R	44.32386700	-12.11128800	0.09696500 L
H-H_	45.05290900	-11.97940400	0.88700600 L

C-C_R	43.43338900	-13.17734300	0.13990100 L
H-H_	43.46725300	-13.88705800	0.95850000 L
C-C_R	42.45199600	-12.42379300	-1.92984200 L
C-C_R	43.34007800	-11.34608000	-1.96955500 L
H-H_	41.72866200	-12.54769200	-2.72714100 L
N-N_R	43.29311400	-10.42236600	-3.03451000 L
C-C_R	44.27623800	-11.19523400	-0.94263400 L
C-C_R	42.05683300	-9.98492000	-3.53469800 L
C-C_R	44.49090900	-9.91952500	-3.58154200 L
H-H_	44.96049400	-10.35562400	-0.96529700 L
C-C_R	41.88076600	-9.77740100	-4.90660000 L
C-C_R	40.97651600	-9.75336500	-2.67576000 L
C-C_R	45.58236700	-10.76741100	-3.79410500 L
C-C_R	44.60623300	-8.56790100	-3.91195600 L
H-H_	42.69773300	-9.98921700	-5.58592700 L
C-C_R	40.67289000	-9.32166800	-5.39905900 L
H-H_	41.09511800	-9.91512100	-1.61143900 L
C-C_R	39.76434600	-9.31886000	-3.17841400 L
C-C_R	46.76323600	-10.26531500	-4.31999700 L
H-H_	45.49540700	-11.81803800	-3.54455200 L
H-H_	43.76523200	-7.90526600	-3.74110500 L
C-C_R	45.78645100	-8.07674900	-4.44902000 L
C-C_R	39.59481000	-9.06841600	-4.54494400 L
H-H_	40.55720400	-9.18658300	-6.46714300 L
H-H_	38.92612000	-9.15872100	-2.51230100 L
H-H_	47.59951500	-10.93521200	-4.48050600 L
C-C_R	46.87279100	-8.92065400	-4.65310000 L
H-H_	45.85832300	-7.02376100	-4.69723000 L
C-C_R	38.27465800	-8.63559000	-5.03804100 L
H-H_	47.79776900	-8.53258800	-5.06543500 L
N-N_R	37.23706100	-9.13287900	-4.38388500 L
C-C_R	38.06359700	-7.77454200	-6.16469000 L
C-C_R	36.00943900	-8.91414900	-4.85732500 L
N-N_R	36.85860800	-7.63495200	-6.68258900 L
C-C_R	39.11620500	-6.95857300	-6.80230600 L
C-C_R	35.81501400	-8.22291300	-6.07791500 L
C-C_R	34.86604800	-9.41611200	-4.16377500 L
C-C_R	40.14804300	-6.35852900	-6.07166400 L
C-C_R	39.04247100	-6.70120700	-8.17476200 L
C-C_R	34.51045400	-8.10021700	-6.63109900 L
C-C_R	33.61053800	-9.26445900	-4.70826500 L
C-C_R	35.03843700	-10.10556300	-2.92879000 L
C-C_R	41.08510200	-5.55627000	-6.69286900 L
H-H_	40.20189400	-6.49915400	-4.99973700 L

H-H_	38.22737000	-7.13260300	-8.74168100 L
C-C_R	39.99118500	-5.91852400	-8.80709900 L
C-C_R	33.40041300	-8.64218600	-5.95795100 L
C-C_R	34.37331900	-7.35735700	-7.83569100 L
H-H_	32.76183600	-9.67887800	-4.18049300 L
N-N_R	35.15281800	-10.66973600	-1.92385300 L
H-H_	41.86476700	-5.08264200	-6.10832200 L
C-C_R	41.03273200	-5.33856300	-8.07355300 L
H-H_	39.93348700	-5.75325200	-9.87546500 L
N-N_R	34.25945500	-6.74843200	-8.81593100 L
N-N_R	42.00315300	-4.54706300	-8.70612600 L
C-C_R	43.35085600	-4.62703100	-8.29961800 L
C-C_R	41.64129000	-3.68904000	-9.76578500 L
C-C_R	43.92684900	-5.86251600	-7.99682700 L
C-C_R	44.12952300	-3.47066000	-8.20189000 L
C-C_R	42.46060600	-3.57116200	-10.89179900 L
C-C_R	40.45906400	-2.94773100	-9.70131500 L
H-H_	43.32841600	-6.76167900	-8.08034300 L
C-C_R	45.25333100	-5.93722100	-7.59969700 L
H-H_	43.68433400	-2.50992700	-8.43017200 L
C-C_R	45.45931600	-3.55517500	-7.81584100 L
H-H_	43.37311000	-4.15148700	-10.94909700 L
C-C_R	42.10306800	-2.72052500	-11.92711200 L
H-H_	39.82401300	-3.03233000	-8.82738300 L
C-C_R	40.10307100	-2.11383100	-10.74941500 L
H-H_	45.68376800	-6.90543300	-7.37209000 L
C-C_R	46.02812700	-4.78524300	-7.50943300 L
H-H_	46.04951400	-2.65019500	-7.74273400 L
C-C_R	40.92220500	-1.98991300	-11.86575900 L
H-H_	42.74729400	-2.64030500	-12.79451500 L
H-H_	39.18102800	-1.54649700	-10.68635400 L
H-H_	47.06775700	-4.84792000	-7.20777600 L
H-H_	40.64201200	-1.33235800	-12.68011800 L
C-C_R	-25.09072900	-5.55931400	11.52478400 L
H-H_	-26.00013600	-6.14505400	11.46837300 L
C-C_R	-23.07816500	-4.92925700	12.68257900 L
H-H_	-22.42369900	-5.00734800	13.54301200 L
C-C_R	-24.24799000	-5.68073400	12.62486800 L
H-H_	-24.50354400	-6.35525600	13.43483300 L
C-C_R	-24.77112300	-4.70122600	10.48696900 L
C-C_R	-23.59660300	-3.94073000	10.54658100 L
H-H_	-25.41776200	-4.61837000	9.62194900 L
N-N_R	-23.27278700	-3.06046700	9.49995800 L
C-C_R	-22.75087700	-4.06097700	11.65581400 L

C-C_R	-24.28571800	-2.32219300	8.86840200 L
C-C_R	-21.93833400	-2.90980500	9.08780700 L
H-H_	-21.85209200	-3.45748500	11.71210500 L
C-C_R	-24.25912800	-2.13130200	7.48145100 L
C-C_R	-25.33910300	-1.77955100	9.61636100 L
C-C_R	-21.08656200	-4.01833200	9.03094600 L
C-C_R	-21.45380400	-1.64636500	8.73093100 L
H-H_	-23.47133400	-2.59100800	6.89447500 L
C-C_R	-25.24897800	-1.39376300	6.86475400 L
H-H_	-25.36519800	-1.92304900	10.68950200 L
C-C_R	-26.32864700	-1.05182400	8.98759600 L
C-C_R	-19.77045100	-3.85728300	8.62902500 L
H-H_	-21.46708000	-4.99951000	9.28948200 L
H-H_	-22.10880100	-0.78759300	8.78805000 L
C-C_R	-20.13719900	-1.49992100	8.32449000 L
C-C_R	-26.28934600	-0.82297600	7.60747700 L
H-H_	-25.23105800	-1.27443600	5.78918300 L
H-H_	-27.15565100	-0.64589600	9.55622900 L
H-H_	-19.12116000	-4.72403900	8.57916400 L
C-C_R	-19.28963300	-2.60213900	8.27333000 L
H-H_	-19.77080300	-0.51621900	8.05625000 L
C-C_R	-27.39186100	-0.06996600	6.96895200 L
H-H_	-18.25999700	-2.48312700	7.95937500 L
N-N_R	-28.58376900	-0.31119600	7.49757000 L
C-C_R	-27.24462800	0.78992500	5.85600900 L
C-C_R	-29.66848300	0.19112700	6.89652700 L
N-N_R	-28.32592400	1.21833900	5.20211800 L
C-C_R	-25.95923700	1.30942100	5.35235500 L
C-C_R	-29.52665900	0.90994800	5.67664800 L
C-C_R	-30.95992700	-0.03421600	7.45253600 L
C-C_R	-24.89531400	1.62857200	6.20374200 L
C-C_R	-25.81189000	1.56875900	3.98574300 L
C-C_R	-30.71064600	1.32465300	4.98480300 L
C-C_R	-32.11243200	0.42613900	6.77724200 L
C-C_R	-31.03237400	-0.79347700	8.64872400 L
C-C_R	-23.71491800	2.14669700	5.70764600 L
H-H_	-25.00706600	1.50242000	7.27518300 L
H-H_	-26.64499600	1.36062100	3.32524800 L
C-C_R	-24.63014100	2.07590800	3.47946500 L
C-C_R	-31.95004600	1.06957100	5.53441400 L
C-C_R	-30.59146900	2.03235400	3.75789300 L
N-N_R	-31.08221200	-1.41394800	9.62780600 L
H-H_	-22.90880500	2.41290300	6.38131100 L
C-C_R	-23.56111700	2.36366300	4.33463300 L

H-H_	-24.52498000	2.24840800	2.41483500 L
H-H_	-32.82923000	1.42208700	5.01118900 L
N-N_R	-30.50821800	2.61093300	2.75721000 L
N-N_R	-22.35666100	2.87966500	3.82811600 L
C-C_R	-21.12952000	2.41788300	4.33692200 L
C-C_R	-22.37926400	3.85477200	2.80950100 L
C-C_R	-20.95459500	1.06109600	4.62878400 L
C-C_R	-20.06793800	3.30236700	4.55172000 L
C-C_R	-21.44519800	3.81568600	1.77119600 L
C-C_R	-23.34287300	4.86693800	2.82701500 L
H-H_	-21.76963800	0.37034200	4.45142000 L
C-C_R	-19.74371800	0.60584800	5.12730600 L
H-H_	-20.20309400	4.35505900	4.33494500 L
C-C_R	-18.85968600	2.83569800	5.04305400 L
H-H_	-20.70634000	3.02275100	1.74745000 L
C-C_R	-21.47431100	4.77825900	0.77445700 L
H-H_	-24.06336500	4.90381600	3.63554700 L
C-C_R	-23.37057700	5.81675100	1.81789900 L
H-H_	-19.62143300	-0.45144900	5.33564800 L
C-C_R	-18.68799900	1.48576600	5.33564100 L
H-H_	-18.04697500	3.53487300	5.20621800 L
C-C_R	-22.43662500	5.78171700	0.78905800 L
H-H_	-20.74753900	4.73391500	-0.02784500 L
H-H_	-24.12392300	6.59483900	1.84423300 L
H-H_	-17.73892700	1.12631800	5.71496400 L
H-H_	-22.46064000	6.52752100	0.00426000 L
C-C_R	-42.47743800	3.85752300	13.38845200 L
H-H_	-41.77861400	4.66800600	13.56577400 L
C-C_R	-44.29347400	2.47071500	14.11804200 L
H-H_	-45.01376100	2.18008300	14.87384700 L
C-C_R	-43.40116300	3.50694800	14.36557400 L
H-H_	-43.42389200	4.03548000	15.31166300 L
C-C_R	-42.44765700	3.19089700	12.17380600 L
C-C_R	-43.33754000	2.14249600	11.92802600 L
H-H_	-41.73417600	3.47514400	11.40934600 L
N-N_R	-43.30506800	1.45460500	10.69610000 L
C-C_R	-44.26100300	1.78503700	12.91348600 L
C-C_R	-42.07468600	1.12943700	10.10305400 L
C-C_R	-44.51024500	1.07187200	10.07330500 L
H-H_	-44.94656500	0.96667000	12.72924000 L
C-C_R	-41.91703500	1.20530000	8.71452500 L
C-C_R	-40.98403200	0.72967100	10.88247100 L
C-C_R	-45.60317700	1.94375800	10.05210100 L
C-C_R	-44.63041900	-0.18453100	9.47660900 L

H-H_	-42.74214900	1.54968300	8.10266400 L
C-C_R	-40.71498800	0.86072100	8.12469200 L
H-H_	-41.09012600	0.67160300	11.95885700 L
C-C_R	-39.77979000	0.40788500	10.28692200 L
C-C_R	-46.79016400	1.55751500	9.44994300 L
H-H_	-45.51076800	2.92200900	10.50782400 L
H-H_	-43.78920000	-0.86701400	9.49874100 L
C-C_R	-45.81787900	-0.55782200	8.86573000 L
C-C_R	-39.62664600	0.44048400	8.89699500 L
H-H_	-40.61382100	0.94559500	7.05008400 L
H-H_	-38.93351800	0.11681200	10.89608000 L
H-H_	-47.62852800	2.24504600	9.43836300 L
C-C_R	-46.90659900	0.30851700	8.85096700 L
H-H_	-45.89519500	-1.53853600	8.40965900 L
C-C_R	-38.31431600	0.11864100	8.30880000 L
H-H_	-47.83615200	0.01117900	8.37996100 L
N-N_R	-37.26699600	0.47400100	9.03734500 L
C-C_R	-38.11844400	-0.49524800	7.02815100 L
C-C_R	-36.04666100	0.35757200	8.51404800 L
N-N_R	-36.91919600	-0.52511400	6.47768500 L
C-C_R	-39.17997700	-1.16598500	6.25123200 L
C-C_R	-35.86837900	-0.07098000	7.17613700 L
C-C_R	-34.89405700	0.70960500	9.28079200 L
C-C_R	-40.20238000	-1.90325900	6.85753200 L
C-C_R	-39.12371000	-1.13911700	4.85529600 L
C-C_R	-34.57098700	-0.07704100	6.59331600 L
C-C_R	-33.64563900	0.67336100	8.70121300 L
C-C_R	-35.05012800	1.13351300	10.63216000 L
C-C_R	-41.14914400	-2.56389700	6.09902000 L
H-H_	-40.24266200	-1.98344500	7.93625700 L
H-H_	-38.31520500	-0.60038100	4.37673200 L
C-C_R	-40.08024800	-1.77816800	4.08900900 L
C-C_R	-33.45093400	0.31830000	7.34862800 L
C-C_R	-34.44985000	-0.55956600	5.26228800 L
H-H_	-32.78987600	0.97288200	9.29253600 L
N-N_R	-35.15122800	1.48157400	11.73211600 L
H-H_	-41.92206100	-3.14731600	6.58383000 L
C-C_R	-41.11330400	-2.49631300	4.70136200 L
H-H_	-40.03610800	-1.72283400	3.00871300 L
N-N_R	-34.34902200	-0.95636300	4.17643000 L
N-N_R	-42.09356100	-3.14404600	3.93332800 L
C-C_R	-43.43597900	-3.15007300	4.36440100 L
C-C_R	-41.74605800	-3.76839100	2.71699700 L
C-C_R	-44.00656200	-2.00262600	4.91908500 L

C-C_R	-44.21384800	-4.30314200	4.23483800 L
C-C_R	-42.57851500	-3.65613100	1.60183400 L
C-C_R	-40.56307100	-4.50578400	2.61472400 L
H-H_	-43.40806100	-1.10458700	5.01354300 L
C-C_R	-45.32788500	-2.01187400	5.33964100 L
H-H_	-43.77377600	-5.19691100	3.81056600 L
C-C_R	-45.53860800	-4.30053700	4.64657900 L
H-H_	-43.49191800	-3.07747400	1.67505000 L
C-C_R	-42.23603000	-4.27812900	0.40990200 L
H-H_	-39.91804900	-4.59974700	3.47961900 L
C-C_R	-40.22126300	-5.10886600	1.41468600 L
H-H_	-45.75419800	-1.11076300	5.76558500 L
C-C_R	-46.10296400	-3.15925500	5.20461200 L
H-H_	-46.13000500	-5.20228300	4.54164300 L
C-C_R	-41.05443100	-5.00441600	0.30676700 L
H-H_	-42.89113900	-4.18125100	-0.44759300 L
H-H_	-39.29922600	-5.67609700	1.35063000 L
H-H_	-47.13766500	-3.16047900	5.52566600 L
H-H_	-40.78627100	-5.48245700	-0.62764400 L
C-C_R	4.80119400	-4.52284400	11.44259800 L
H-H_	3.89178700	-5.10858300	11.38618700 L
C-C_R	6.81375800	-3.89278700	12.60039300 L
H-H_	7.46822400	-3.97087800	13.46082600 L
C-C_R	5.64393300	-4.64426400	12.54268300 L
H-H_	5.38837900	-5.31878500	13.35264800 L
C-C_R	5.12179900	-3.66472100	10.40478100 L
C-C_R	6.29632000	-2.90422500	10.46439300 L
H-H_	4.47416100	-3.58190000	9.53976400 L
N-N_R	6.61913600	-2.02399700	9.41777300 L
C-C_R	7.14204600	-3.02447200	11.57362600 L
C-C_R	5.60620500	-1.28572300	8.78621700 L
C-C_R	7.95358900	-1.87333400	9.00562100 L
H-H_	8.03983100	-2.42101400	11.62991900 L
C-C_R	5.63279500	-1.09483200	7.39926600 L
C-C_R	4.55282000	-0.74308000	9.53417500 L
C-C_R	8.80636100	-2.98182700	8.94875800 L
C-C_R	8.43812000	-0.60989400	8.64874500 L
H-H_	6.42058900	-1.55453800	6.81229000 L
C-C_R	4.64394400	-0.35725800	6.78256500 L
H-H_	4.52772500	-0.88654400	10.60731300 L
C-C_R	3.56327600	-0.01535300	8.90541000 L
C-C_R	10.12147200	-2.82081200	8.54683900 L
H-H_	8.42484300	-3.96304000	9.20729600 L
H-H_	7.78312200	0.24887700	8.70586400 L

C-C_R	9.75472400	-0.46345100	8.24230500 L
C-C_R	3.60357700	0.21352900	7.52528900 L
H-H_	4.66086500	-0.23796600	5.70699700 L
H-H_	2.73627200	0.39057400	9.47404400 L
H-H_	10.77076300	-3.68756800	8.49697900 L
C-C_R	10.60229100	-1.56566800	8.19114500 L
H-H_	10.12112000	0.52025200	7.97406500 L
C-C_R	2.50006200	0.96650500	6.88676700 L
H-H_	11.63292600	-1.44662200	7.87718700 L
N-N_R	1.30815400	0.72527500	7.41538500 L
C-C_R	2.64729600	1.82639500	5.77382300 L
C-C_R	0.22344000	1.22759700	6.81434100 L
N-N_R	1.56600000	2.25480900	5.11993200 L
C-C_R	3.93268600	2.34589100	5.27016900 L
C-C_R	0.36526400	1.94641800	5.59446300 L
C-C_R	-1.06800400	1.00225500	7.37035000 L
C-C_R	4.99660900	2.66504200	6.12155600 L
C-C_R	4.08003400	2.60522900	3.90355800 L
C-C_R	-0.81772400	2.36115800	4.90261400 L
C-C_R	-2.22050900	1.46261000	6.69505600 L
C-C_R	-1.14045000	0.24299400	8.56653900 L
C-C_R	6.17700500	3.18316700	5.62546100 L
H-H_	4.88585700	2.53892500	7.19299500 L
H-H_	3.24792700	2.39712700	3.24306000 L
C-C_R	5.26178200	3.11237800	3.39728000 L
C-C_R	-2.05812200	2.10604100	5.45222900 L
C-C_R	-0.69954600	3.06882400	3.67570800 L
N-N_R	-1.19028900	-0.37747800	9.54562100 L
H-H_	6.98311800	3.44937300	6.29912600 L
C-C_R	6.33080700	3.40013400	4.25244800 L
H-H_	5.36694300	3.28487900	2.33264900 L
H-H_	-2.93630800	2.45859200	4.92900100 L
N-N_R	-0.61629500	3.64740300	2.67502400 L
N-N_R	7.53626100	3.91617000	3.74592700 L
C-C_R	8.76240400	3.45435300	4.25473600 L
C-C_R	7.51265900	4.89124200	2.72731500 L
C-C_R	8.93732800	2.09756600	4.54659900 L
C-C_R	9.82398600	4.33883700	4.46953500 L
C-C_R	8.44672500	4.85215600	1.68901100 L
C-C_R	6.54905000	5.90340800	2.74483000 L
H-H_	8.12228500	1.40681200	4.36923500 L
C-C_R	10.14820500	1.64231800	5.04512000 L
H-H_	9.68882900	5.39153000	4.25275900 L
C-C_R	11.03223700	3.87216800	4.96086900 L

H-H_	9.18558400	4.05922200	1.66526500 L
C-C_R	8.41761200	5.81473000	0.69227100 L
H-H_	5.82855800	5.94028600	3.55336200 L
C-C_R	6.52134700	6.85322200	1.73571300 L
H-H_	10.27049000	0.58502100	5.25346200 L
C-C_R	11.20392400	2.52223600	5.25345500 L
H-H_	11.84494800	4.57134400	5.12403300 L
C-C_R	7.45529800	6.81818700	0.70687300 L
H-H_	9.14438400	5.77038600	-0.11003100 L
H-H_	5.76800100	7.63130900	1.76204700 L
H-H_	12.15299600	2.16278900	5.63277900 L
H-H_	7.43128300	7.56399200	-0.07792500 L
C-C_R	-12.58551500	4.89399400	13.30626700 L
H-H_	-11.88669100	5.70447600	13.48358800 L
C-C_R	-14.40155100	3.50718500	14.03585700 L
H-H_	-15.12183800	3.21655300	14.79166200 L
C-C_R	-13.50924000	4.54341900	14.28338800 L
H-H_	-13.53196900	5.07195100	15.22947700 L
C-C_R	-12.55573400	4.22736700	12.09162000 L
C-C_R	-13.44561700	3.17896700	11.84584000 L
H-H_	-11.84225300	4.51161400	11.32716100 L
N-N_R	-13.41314500	2.49107600	10.61391400 L
C-C_R	-14.36908000	2.82150700	12.83130100 L
C-C_R	-12.18276300	2.16590800	10.02086900 L
C-C_R	-14.61832100	2.10834200	9.99112000 L
H-H_	-15.05464200	2.00314000	12.64705500 L
C-C_R	-12.02511100	2.24177000	8.63233900 L
C-C_R	-11.09210900	1.76614100	10.80028600 L
C-C_R	-15.71125400	2.98022900	9.96991600 L
C-C_R	-14.73849600	0.85194000	9.39442300 L
H-H_	-12.85022500	2.58615400	8.02047900 L
C-C_R	-10.82306500	1.89719200	8.04250600 L
H-H_	-11.19820300	1.70807400	11.87667100 L
C-C_R	-9.88786600	1.44435500	10.20473700 L
C-C_R	-16.89824100	2.59398600	9.36775700 L
H-H_	-15.61884500	3.95847900	10.42563900 L
H-H_	-13.89727600	0.16945700	9.41655600 L
C-C_R	-15.92595600	0.47864800	8.78354400 L
C-C_R	-9.73472300	1.47695400	8.81480900 L
H-H_	-10.72189800	1.98206500	6.96789900 L
H-H_	-9.04159500	1.15328200	10.81389500 L
H-H_	-17.73660500	3.28151700	9.35617700 L
C-C_R	-17.01467600	1.34498800	8.76878100 L
H-H_	-16.00227200	-0.50203100	8.32747100 L

C-C_R	-8.42239300	1.15511100	8.22661500 L
H-H_	-17.94422800	1.04765000	8.29777500 L
N-N_R	-7.37507200	1.51047100	8.95515900 L
C-C_R	-8.22652000	0.54122200	6.94596600 L
C-C_R	-6.15373900	1.39407700	8.43186000 L
N-N_R	-7.02727300	0.51135700	6.39549900 L
C-C_R	-9.28805400	-0.12951500	6.16904600 L
C-C_R	-5.97645600	0.96549000	7.09395200 L
C-C_R	-5.00213400	1.74607500	9.19860700 L
C-C_R	-10.31045700	-0.86678900	6.77534600 L
C-C_R	-9.23178600	-0.10264700	4.77311000 L
C-C_R	-4.67906300	0.95942900	6.51113100 L
C-C_R	-3.75371600	1.70983200	8.61902700 L
C-C_R	-5.15820400	2.16998300	10.54997400 L
C-C_R	-11.25722000	-1.52742600	6.01683500 L
H-H_	-10.35073900	-0.94697500	7.85407200 L
H-H_	-8.42328200	0.43609000	4.29454600 L
C-C_R	-10.18832500	-0.74169700	4.00682400 L
C-C_R	-3.55901100	1.35477100	7.26644300 L
C-C_R	-4.55692700	0.47693900	5.18010000 L
H-H_	-2.89795300	2.00935300	9.21035100 L
N-N_R	-5.25930500	2.51804500	11.64993100 L
H-H_	-12.02913900	-2.11081100	6.50164200 L
C-C_R	-11.22138100	-1.45984300	4.61917600 L
H-H_	-10.14418400	-0.68636400	2.92652800 L
N-N_R	-4.45610000	0.08014200	4.09424200 L
N-N_R	-12.20163800	-2.10757600	3.85114300 L
C-C_R	-13.54405600	-2.11360300	4.28221500 L
C-C_R	-11.85413500	-2.73192100	2.63481200 L
C-C_R	-14.11463900	-0.96615600	4.83689900 L
C-C_R	-14.32192500	-3.26667100	4.15265200 L
C-C_R	-12.68659200	-2.61966000	1.51964800 L
C-C_R	-10.67114800	-3.46931400	2.53253800 L
H-H_	-13.51613800	-0.06811600	4.93135700 L
C-C_R	-15.43496200	-0.97536900	5.25745200 L
H-H_	-13.88185300	-4.16044000	3.72838000 L
C-C_R	-15.64668400	-3.26406600	4.56439400 L
H-H_	-13.59999500	-2.04100400	1.59286500 L
C-C_R	-12.34410600	-3.24165800	0.32771600 L
H-H_	-10.02612500	-3.56327600	3.39743300 L
C-C_R	-10.32934000	-4.07239500	1.33250000 L
H-H_	-15.86227500	-0.07429300	5.68339900 L
C-C_R	-16.21104100	-2.12278500	5.12242700 L
H-H_	-16.23808200	-4.16581300	4.45945800 L

C-C_R	-11.16250800	-3.96794600	0.22458200 L
H-H_	-12.99921600	-3.14478000	-0.52977900 L
H-H_	-9.40730300	-4.63962700	1.26844400 L
H-H_	-17.24574200	-2.12400900	5.44348100 L
H-H_	-10.89434700	-4.44598700	-0.70982900 L
C-C_R	34.69411600	-3.48633900	11.36041000 L
H-H_	33.78371000	-4.07211300	11.30400200 L
C-C_R	36.70568100	-2.85631600	12.51820800 L
H-H_	37.36014700	-2.93440700	13.37864100 L
C-C_R	35.53585700	-3.60779300	12.46049700 L
H-H_	35.28130100	-4.28228000	13.27045900 L
C-C_R	35.01372300	-2.62825000	10.32259500 L
C-C_R	36.18824300	-1.86775500	10.38220700 L
H-H_	34.36608400	-2.54542900	9.45757800 L
N-N_R	36.51106000	-0.98752600	9.33558700 L
C-C_R	37.03396900	-1.98800100	11.49144100 L
C-C_R	35.49812900	-0.24925200	8.70403100 L
C-C_R	37.84551300	-0.83686400	8.92343600 L
H-H_	37.93175400	-1.38454400	11.54773400 L
C-C_R	35.52571800	-0.05832700	7.31707800 L
C-C_R	34.44474300	0.29339000	9.45199000 L
C-C_R	38.69828400	-1.94535700	8.86657200 L
C-C_R	38.33104200	0.42661100	8.56655700 L
H-H_	36.31251200	-0.51806700	6.73010400 L
C-C_R	34.53586700	0.67921300	6.70038000 L
H-H_	34.41964800	0.14992600	10.52512800 L
C-C_R	33.45519900	1.02111700	8.82322400 L
C-C_R	40.01339500	-1.78434200	8.46465400 L
H-H_	38.31676600	-2.92657000	9.12511100 L
H-H_	37.67504500	1.28534800	8.62367800 L
C-C_R	39.64664700	0.57301900	8.16011900 L
C-C_R	33.49550000	1.25000000	7.44310400 L
H-H_	34.55378800	0.79853900	5.62480900 L
H-H_	32.62819500	1.42704500	9.39185800 L
H-H_	40.66368600	-2.65106300	8.41479000 L
C-C_R	40.49421400	-0.52919800	8.10895900 L
H-H_	40.01304300	1.55672200	7.89187900 L
C-C_R	32.39198600	2.00297500	6.80458100 L
H-H_	41.52484900	-0.41015200	7.79500100 L
N-N_R	31.20007700	1.76174500	7.33319900 L
C-C_R	32.53921900	2.86286600	5.69163800 L
C-C_R	30.11536300	2.26406800	6.73215600 L
N-N_R	31.45792300	3.29128000	5.03774700 L
C-C_R	33.82461000	3.38236200	5.18798400 L

C-C_R	30.25718800	2.98288800	5.51227700 L
C-C_R	28.82391900	2.03872500	7.28816500 L
C-C_R	34.88853300	3.70151300	6.03937100 L
C-C_R	33.97195700	3.64170000	3.82137200 L
C-C_R	29.07420000	3.39762800	4.82042900 L
C-C_R	27.67241400	2.49911500	6.61286800 L
C-C_R	28.75147300	1.27946400	8.48435300 L
C-C_R	36.06892800	4.21963800	5.54327500 L
H-H_	34.77778000	3.57539500	7.11080900 L
H-H_	33.13985000	3.43359700	3.16087400 L
C-C_R	35.15370600	4.14884900	3.31509400 L
C-C_R	27.83380100	3.14251200	5.37004300 L
C-C_R	29.19337700	4.10532900	3.59352000 L
N-N_R	28.70263400	0.65902700	9.46343200 L
H-H_	36.87504200	4.48584400	6.21694000 L
C-C_R	36.22273000	4.43660400	4.17026200 L
H-H_	35.25886600	4.32134900	2.25046400 L
H-H_	26.95561500	3.49506200	4.84681500 L
N-N_R	29.27562800	4.68387300	2.59283900 L
N-N_R	37.42818400	4.95264000	3.66374200 L
C-C_R	38.65532600	4.49085800	4.17254800 L
C-C_R	37.40458200	5.92771200	2.64512900 L
C-C_R	38.82925100	3.13403700	4.46441300 L
C-C_R	39.71590900	5.37530800	4.38734900 L
C-C_R	38.33864800	5.88862700	1.60682500 L
C-C_R	36.44097300	6.93987900	2.66264400 L
H-H_	38.01420800	2.44328300	4.28704900 L
C-C_R	40.04012900	2.67878900	4.96293400 L
H-H_	39.58075200	6.42800000	4.17057400 L
C-C_R	40.92416100	4.90863900	4.87868300 L
H-H_	39.07750700	5.09569200	1.58307900 L
C-C_R	38.30953600	6.85120000	0.61008600 L
H-H_	35.72048200	6.97675700	3.47117600 L
C-C_R	36.41327000	7.88969200	1.65352800 L
H-H_	40.16241400	1.62149200	5.17127700 L
C-C_R	41.09584700	3.55870700	5.17127000 L
H-H_	41.73687200	5.60781400	5.04184700 L
C-C_R	37.34722100	7.85465800	0.62468700 L
H-H_	39.03630700	6.80685600	-0.19221600 L
H-H_	35.65992400	8.66778000	1.67986200 L
H-H_	42.04491900	3.19925900	5.55059300 L
H-H_	37.32320600	8.60046200	-0.16011100 L
C-C_R	17.30640800	5.93046400	13.22408100 L
H-H_	18.00523200	6.74094700	13.40140200 L

C-C_R	15.49037300	4.54365600	13.95367100 L
H-H_	14.77008500	4.25302400	14.70947600 L
C-C_R	16.38268400	5.57988900	14.20120300 L
H-H_	16.35995400	6.10842100	15.14729200 L
C-C_R	17.33619000	5.26383800	12.00943500 L
C-C_R	16.44630700	4.21543700	11.76365500 L
H-H_	18.04967000	5.54808500	11.24497500 L
N-N_R	16.47877900	3.52754600	10.53172900 L
C-C_R	15.52284300	3.85797800	12.74911500 L
C-C_R	17.70916100	3.20237800	9.93868300 L
C-C_R	15.27360200	3.14481300	9.90893400 L
H-H_	14.83728200	3.03961100	12.56486900 L
C-C_R	17.86681200	3.27824100	8.55015400 L
C-C_R	18.79981500	2.80261100	10.71810000 L
C-C_R	14.18067000	4.01669900	9.88773000 L
C-C_R	15.15342800	1.88841000	9.31223700 L
H-H_	17.04169800	3.62262400	7.93829300 L
C-C_R	19.06885800	2.93366200	7.96032100 L
H-H_	18.69372000	2.74454400	11.79448500 L
C-C_R	20.00405700	2.48082500	10.12255100 L
C-C_R	12.99368200	3.63045600	9.28557200 L
H-H_	14.27307800	4.99495000	10.34345300 L
H-H_	15.99464700	1.20592700	9.33437000 L
C-C_R	13.96596700	1.51511800	8.70135900 L
C-C_R	20.15720100	2.51342400	8.73262400 L
H-H_	19.17002500	3.01853500	6.88571300 L
H-H_	20.85032900	2.18975300	10.73170900 L
H-H_	12.15631800	4.31802200	9.27398900 L
C-C_R	12.87724700	2.38145800	8.68659600 L
H-H_	13.88965100	0.53444000	8.24528500 L
C-C_R	21.47053000	2.19161600	8.14442700 L
H-H_	11.94769500	2.08412000	8.21559000 L
N-N_R	22.51685100	2.54694100	8.87297400 L
C-C_R	21.66540300	1.57769300	6.86378000 L
C-C_R	23.73818400	2.43054800	8.34967400 L
N-N_R	22.86465000	1.54782700	6.31331400 L
C-C_R	20.60387000	0.90695500	6.08686100 L
C-C_R	23.91646700	2.00199600	7.01176400 L
C-C_R	24.88979000	2.78254600	9.11642100 L
C-C_R	19.58146600	0.16968100	6.69316100 L
C-C_R	20.66013700	0.93382300	4.69092500 L
C-C_R	25.21286000	1.99589900	6.42894500 L
C-C_R	26.13820700	2.74630200	8.53684200 L
C-C_R	24.73371900	3.20645400	10.46778900 L

C-C_R	18.63470300	-0.49095600	5.93464900 L
H-H_	19.54118500	0.08949600	7.77188600 L
H-H_	21.46864200	1.47256000	4.21236100 L
C-C_R	19.70359800	0.29477300	3.92463800 L
C-C_R	26.33291200	2.39124100	7.18425700 L
C-C_R	25.33499600	1.51340900	5.09791400 L
H-H_	26.99397000	3.04582300	9.12816500 L
N-N_R	24.63261900	3.55451500	11.56774500 L
H-H_	17.86278500	-1.07434100	6.41945600 L
C-C_R	18.67054200	-0.42337300	4.53699100 L
H-H_	19.74773900	0.35010600	2.84434200 L
N-N_R	25.43582300	1.11661200	4.01205600 L
N-N_R	17.69028500	-1.07110600	3.76895700 L
C-C_R	16.34786700	-1.07713200	4.20003000 L
C-C_R	18.03778800	-1.69545000	2.55262600 L
C-C_R	15.77728400	0.07031500	4.75471400 L
C-C_R	15.56999800	-2.23020100	4.07046700 L
C-C_R	17.20533100	-1.58319000	1.43746300 L
C-C_R	19.22077500	-2.43284300	2.45035300 L
H-H_	16.37578600	0.96835400	4.84917200 L
C-C_R	14.45696100	0.06110100	5.17526700 L
H-H_	16.01007000	-3.12397000	3.64619500 L
C-C_R	14.24523900	-2.22759600	4.48220800 L
H-H_	16.29192800	-1.00453300	1.51067900 L
C-C_R	17.54781700	-2.20518800	0.24553100 L
H-H_	19.86679700	-2.52677100	3.31524500 L
C-C_R	19.56258300	-3.03592500	1.25031500 L
H-H_	14.02964800	0.96217800	5.60121400 L
C-C_R	13.68088200	-1.08631500	5.04024100 L
H-H_	13.65384100	-3.12934200	4.37727200 L
C-C_R	18.72941600	-2.93147500	0.14239600 L
H-H_	16.89270800	-2.10831000	-0.61196400 L
H-H_	20.48462100	-3.60315600	1.18625900 L
H-H_	12.64618200	-1.08753900	5.36129500 L
H-H_	18.99757600	-3.40951600	-0.79201500 L
C-C_R	-25.14053200	-4.74889600	3.63143400 L
H-H_	-26.04993900	-5.33463500	3.57502300 L
C-C_R	-23.12796800	-4.11883900	4.78922900 L
H-H_	-22.47350200	-4.19693000	5.64966200 L
C-C_R	-24.29779200	-4.87031600	4.73151900 L
H-H_	-24.55334700	-5.54483700	5.54148400 L
C-C_R	-24.82092600	-3.89080700	2.59361900 L
C-C_R	-23.64640600	-3.13031100	2.65323200 L
H-H_	-25.46755800	-3.80805400	1.72959400 L

N-N_R	-23.32258900	-2.25004900	1.60660900 L
C-C_R	-22.80067300	-3.25066000	3.76346000 L
C-C_R	-24.33552000	-1.51177400	0.97505300 L
C-C_R	-21.98813000	-2.09948800	1.19545200 L
H-H_	-21.90189500	-2.64706600	3.81875500 L
C-C_R	-24.30892400	-1.32098600	-0.41090300 L
C-C_R	-25.38890600	-0.96913200	1.72301100 L
C-C_R	-21.13636400	-3.20791400	1.13759700 L
C-C_R	-21.50360600	-0.83594600	0.83758100 L
H-H_	-23.52113700	-1.78058900	-0.99887400 L
C-C_R	-25.29878100	-0.58334400	-1.02859600 L
H-H_	-25.41500000	-1.11263100	2.79615200 L
C-C_R	-26.37845000	-0.24140500	1.09424600 L
C-C_R	-19.82025400	-3.04686400	0.73567500 L
H-H_	-21.51688300	-4.18909200	1.39613200 L
H-H_	-22.15860400	0.02282600	0.89470000 L
C-C_R	-20.18700200	-0.68950300	0.43114100 L
C-C_R	-26.33914800	-0.01255700	-0.28587200 L
H-H_	-25.28086100	-0.46401800	-2.10416700 L
H-H_	-27.20545400	0.16452300	1.66288000 L
H-H_	-19.17095700	-3.91372200	0.68680900 L
C-C_R	-19.33943500	-1.79172000	0.37998100 L
H-H_	-19.82060600	0.29420000	0.16290100 L
C-C_R	-27.44166300	0.74045300	-0.92439700 L
H-H_	-18.30980000	-1.67270900	0.06602500 L
N-N_R	-28.63357200	0.49922300	-0.39577900 L
C-C_R	-27.29443000	1.60034300	-2.03734100 L
C-C_R	-29.71828000	1.00144300	-0.99582800 L
N-N_R	-28.37572600	2.02875700	-2.69123200 L
C-C_R	-26.00903300	2.11973700	-2.54000000 L
C-C_R	-29.57646100	1.72036600	-2.21670100 L
C-C_R	-31.00973000	0.77620300	-0.44081400 L
C-C_R	-24.94511000	2.43888800	-1.68861300 L
C-C_R	-25.86169200	2.37917800	-3.90760600 L
C-C_R	-30.76044900	2.13507100	-2.90854700 L
C-C_R	-32.16223500	1.23655800	-1.11610800 L
C-C_R	-31.08217600	0.01694200	0.75537500 L
C-C_R	-23.76471500	2.95701300	-2.18470800 L
H-H_	-25.05686800	2.31283800	-0.61816700 L
H-H_	-26.69479800	2.17104000	-4.56810200 L
C-C_R	-24.67994300	2.88632600	-4.41388400 L
C-C_R	-31.99984200	1.87988700	-2.35794100 L
C-C_R	-30.64127200	2.84277200	-4.13545600 L
N-N_R	-31.13200900	-0.60363200	1.73545200 L

H-H_	-22.95860700	3.22332200	-1.51203800 L
C-C_R	-23.61091900	3.17408200	-3.55871600 L
H-H_	-24.57478300	3.05882700	-5.47851500 L
H-H_	-32.87903300	2.23250500	-2.88216000 L
N-N_R	-30.55802100	3.42135100	-5.13614000 L
N-N_R	-22.40646400	3.69008300	-4.06523400 L
C-C_R	-21.17932200	3.22830200	-3.55642800 L
C-C_R	-22.42906100	4.66508800	-5.08285400 L
C-C_R	-21.00439100	1.87141200	-3.26357100 L
C-C_R	-20.11774000	4.11278500	-3.34162900 L
C-C_R	-21.49500100	4.62610400	-6.12215300 L
C-C_R	-23.39266900	5.67725400	-5.06534000 L
H-H_	-21.81944100	1.18076100	-3.44192900 L
C-C_R	-19.79351400	1.41616400	-2.76504900 L
H-H_	-20.25289700	5.16547800	-3.55840500 L
C-C_R	-18.90948900	3.64611600	-2.85029500 L
H-H_	-20.75614200	3.83317000	-6.14589900 L
C-C_R	-21.52411300	5.58867800	-7.11889300 L
H-H_	-24.11316700	5.71423400	-4.25780200 L
C-C_R	-23.42037900	6.62717000	-6.07545100 L
H-H_	-19.67123500	0.35897000	-2.55770200 L
C-C_R	-18.73780200	2.29618400	-2.55770900 L
H-H_	-18.09677700	4.34529200	-2.68713100 L
C-C_R	-22.48642800	6.59213500	-7.10429100 L
H-H_	-20.79734200	5.54433400	-7.92119500 L
H-H_	-24.17372500	7.40525700	-6.04911700 L
H-H_	-17.78873000	1.93673700	-2.17838500 L
H-H_	-22.51044300	7.33794000	-7.88908900 L
C-C_R	-42.52724100	4.66794200	5.49510300 L
H-H_	-41.82841700	5.47842500	5.67242400 L
C-C_R	-44.34327600	3.28113300	6.22469300 L
H-H_	-45.06356400	2.99050100	6.98049800 L
C-C_R	-43.45096500	4.31736700	6.47222400 L
H-H_	-43.47368800	4.84579700	7.41930800 L
C-C_R	-42.49746000	4.00131500	4.28045600 L
C-C_R	-43.38734200	2.95291500	4.03467600 L
H-H_	-41.78397900	4.28556300	3.51599700 L
N-N_R	-43.35486400	2.26492200	2.80374500 L
C-C_R	-44.31080600	2.59545600	5.02013700 L
C-C_R	-42.12448800	1.93985600	2.20970500 L
C-C_R	-44.56004100	1.88218800	2.18095100 L
H-H_	-44.99636800	1.77708900	4.83589100 L
C-C_R	-41.96683700	2.01571800	0.82117500 L
C-C_R	-41.03383400	1.54008900	2.98912200 L

C-C_R	-45.65297900	2.75417700	2.15875200 L
C-C_R	-44.68022100	0.62588800	1.58325900 L
H-H_	-42.79194500	2.36000000	0.21031000 L
C-C_R	-40.76479100	1.67114000	0.23134200 L
H-H_	-41.13992900	1.48202200	4.06550700 L
C-C_R	-39.82959200	1.21830300	2.39357300 L
C-C_R	-46.83996700	2.36793400	1.55659300 L
H-H_	-45.56057100	3.73242800	2.61447500 L
H-H_	-43.83900200	-0.05659500	1.60539200 L
C-C_R	-45.86768200	0.25259600	0.97238000 L
C-C_R	-39.67644800	1.25090200	1.00364500 L
H-H_	-40.66362400	1.75601300	-0.84326500 L
H-H_	-38.98332000	0.92723000	3.00273100 L
H-H_	-47.67832400	3.05536300	1.54600800 L
C-C_R	-46.95640200	1.11893600	0.95761700 L
H-H_	-45.94499100	-0.72821900	0.51730400 L
C-C_R	-38.36411900	0.92905900	0.41545100 L
H-H_	-47.88595400	0.82159800	0.48661100 L
N-N_R	-37.31679800	1.28441900	1.14399500 L
C-C_R	-38.16824000	0.31506800	-0.86420400 L
C-C_R	-36.09646400	1.16799100	0.62069800 L
N-N_R	-36.96899900	0.28530500	-1.41566500 L
C-C_R	-39.22978000	-0.35556700	-1.64211800 L
C-C_R	-35.91817600	0.73933600	-0.71621700 L
C-C_R	-34.94385900	1.52002300	1.38744300 L
C-C_R	-40.25218300	-1.09284100	-1.03581800 L
C-C_R	-39.17351200	-0.32869900	-3.03805400 L
C-C_R	-34.62078900	0.73337700	-1.30003300 L
C-C_R	-33.69543500	1.48367800	0.80885800 L
C-C_R	-35.09993000	1.94393100	2.73881000 L
C-C_R	-41.19894600	-1.75347800	-1.79432900 L
H-H_	-40.29246400	-1.17302600	0.04290800 L
H-H_	-38.36500700	0.21003800	-3.51661800 L
C-C_R	-40.13005100	-0.96774900	-3.80434000 L
C-C_R	-33.50073700	1.12871900	-0.54472100 L
C-C_R	-34.49965200	0.25085200	-2.63106100 L
H-H_	-32.83967900	1.78330100	1.39918700 L
N-N_R	-35.20103000	2.29199300	3.83876700 L
H-H_	-41.97186400	-2.33689800	-1.30951900 L
C-C_R	-41.16310100	-1.68599700	-3.19099300 L
H-H_	-40.08591000	-0.91241600	-4.88463600 L
N-N_R	-34.39882500	-0.14594400	-3.71692000 L
N-N_R	-42.14336400	-2.33362800	-3.96002100 L
C-C_R	-43.48578200	-2.33965400	-3.52894900 L

C-C_R	-41.79585400	-2.95807500	-5.17535800 L
C-C_R	-44.05636500	-1.19220700	-2.97426500 L
C-C_R	-44.26364400	-3.49282500	-3.65751700 L
C-C_R	-42.62831800	-2.84571200	-6.29151600 L
C-C_R	-40.61287400	-3.69536500	-5.27862600 L
H-H_	-43.45786300	-0.29416800	-2.87980700 L
C-C_R	-45.37768100	-1.20155800	-2.55271400 L
H-H_	-43.82357900	-4.38649200	-4.08278400 L
C-C_R	-45.58841000	-3.49011800	-3.24677000 L
H-H_	-43.54172100	-2.26705600	-6.21829900 L
C-C_R	-42.28582600	-3.46781200	-7.48245300 L
H-H_	-39.96785100	-3.78932800	-4.41373100 L
C-C_R	-40.27106600	-4.29844700	-6.47866400 L
H-H_	-45.80400100	-0.30034400	-2.12776500 L
C-C_R	-46.15276700	-2.34883700	-2.68873700 L
H-H_	-46.17980800	-4.39186500	-3.35170600 L
C-C_R	-41.10422700	-4.19410000	-7.58558800 L
H-H_	-42.94093500	-3.37093400	-8.33994800 L
H-H_	-39.34902800	-4.86567900	-6.54272000 L
H-H_	-47.18746700	-2.35006100	-2.36768300 L
H-H_	-40.83607300	-4.67203900	-8.52099300 L
C-C_R	4.86037900	-4.16986200	3.14849000 H
H-H_	4.06696300	-4.85212000	2.86582500 H
C-C_R	6.55284300	-3.46286300	4.69298700 H
H-H_	7.07494600	-3.58545500	5.63540400 H
C-C_R	5.53181200	-4.34112900	4.35283900 H
H-H_	5.26232000	-5.15159000	5.01949100 H
C-C_R	5.21001200	-3.13923800	2.28880500 H
C-C_R	6.22862900	-2.24935300	2.63510100 H
H-H_	4.69590600	-3.01805200	1.34269000 H
N-N_R	6.58820100	-1.20164100	1.75569500 H
C-C_R	6.89757100	-2.41598700	3.84938500 H
C-C_R	5.60218000	-0.46798700	1.08737600 H
C-C_R	7.95503200	-0.91579800	1.54221100 H
H-H_	7.68593500	-1.72465500	4.12414000 H
C-C_R	5.79102000	-0.05538800	-0.23720200 H
C-C_R	4.39445700	-0.14484600	1.71879000 H
C-C_R	8.87149500	-1.94880400	1.33169900 H
C-C_R	8.40749300	0.40469100	1.56247700 H
H-H_	6.70197400	-0.33018300	-0.75413600 H
C-C_R	4.82067000	0.67521500	-0.89736300 H
H-H_	4.22330700	-0.46033500	2.74069500 H
C-C_R	3.42743900	0.57843300	1.05082400 H
C-C_R	10.21764600	-1.66133300	1.15634500 H

H-H_	8.52041900	-2.97398500	1.31267400 H
H-H_	7.70055800	1.20776500	1.73738900 H
C-C_R	9.75464300	0.68241800	1.38363200 H
C-C_R	3.62550300	1.03145900	-0.26043800 H
H-H_	4.98950700	0.94057200	-1.93264000 H
H-H_	2.48999600	0.80865000	1.54176700 H
H-H_	10.91786500	-2.47261100	0.98907200 H
C-C_R	10.66807300	-0.34609900	1.18310000 H
H-H_	10.09191500	1.71041300	1.43117900 H
C-C_R	2.52957100	1.76570700	-0.91898700 H
H-H_	11.72159400	-0.12541100	1.05787600 H
N-N_R	1.32787800	1.51108900	-0.45073000 H
C-C_R	2.68377800	2.69240300	-2.03286800 H
C-C_R	0.24884500	2.02113000	-1.06675300 H
N-N_R	1.62300600	3.08727600	-2.70411000 H
C-C_R	3.96244000	3.25659300	-2.49614400 H
C-C_R	0.39979500	2.74246800	-2.26841500 H
C-C_R	-1.04770000	1.79086300	-0.53185100 H
C-C_R	5.03185000	3.58040100	-1.65271000 H
C-C_R	4.10361100	3.53705600	-3.85880200 H
C-C_R	-0.76297800	3.16050000	-2.96434600 H
C-C_R	-2.17760400	2.26945700	-1.19231700 H
C-C_R	-1.14698800	1.01979800	0.66625500 H
C-C_R	6.20778900	4.10017200	-2.16128700 H
H-H_	4.94425300	3.43924100	-0.58230100 H
H-H_	3.25939500	3.34862200	-4.50694700 H
C-C_R	5.28321300	4.02492000	-4.38064600 H
C-C_R	-2.01157200	2.93641200	-2.42358100 H
C-C_R	-0.64846900	3.83934400	-4.21424800 H
N-N_R	-1.23687900	0.38747500	1.63104900 H
H-H_	7.01626500	4.35574700	-1.48839800 H
C-C_R	6.37185100	4.29621100	-3.54088200 H
H-H_	5.37626900	4.18448200	-5.44744300 H
H-H_	-2.88379200	3.29842900	-2.95136300 H
N-N_R	-0.61348000	4.39167900	-5.22968900 H
N-N_R	7.57788400	4.75852600	-4.07205100 H
C-C_R	8.82086300	4.38522000	-3.51307000 H
C-C_R	7.56195500	5.58000100	-5.23020100 H
C-C_R	9.02589000	3.11073900	-2.97754800 H
C-C_R	9.88454200	5.28957400	-3.52267300 H
C-C_R	8.41733400	5.31137200	-6.29919300 H
C-C_R	6.69800800	6.67384300	-5.30185400 H
H-H_	8.21665000	2.39042000	-2.97838000 H
C-C_R	10.26456500	2.76518900	-2.45381300 H

H-H_	9.73576600	6.26841900	-3.94884500 H
C-C_R	11.12341500	4.93113100	-3.01804400 H
H-H_	9.08833500	4.46186700	-6.24456900 H
C-C_R	8.41766900	6.13799400	-7.41373900 H
H-H_	6.04603900	6.89198800	-4.46411500 H
C-C_R	6.68431000	7.47770800	-6.43279700 H
H-H_	10.40459400	1.77329200	-2.03767600 H
C-C_R	11.32085900	3.66805500	-2.47685700 H
H-H_	11.93586300	5.64910200	-3.04464500 H
C-C_R	7.54642500	7.21844800	-7.49164100 H
H-H_	9.09324700	5.92363300	-8.23457800 H
H-H_	6.01170300	8.32698100	-6.47570600 H
H-H_	12.29092200	3.39587800	-2.08287400 H
H-H_	7.54028400	7.85304500	-8.36957400 H
C-C_R	-12.67598000	5.53322600	5.43982300 H
H-H_	-12.03256400	6.37690300	5.66267600 H
C-C_R	-14.38977200	3.98777600	6.09728200 H
H-H_	-15.08098300	3.60623100	6.84092700 H
C-C_R	-13.55700400	5.05756700	6.40386200 H
H-H_	-13.59735300	5.51980000	7.38302100 H
C-C_R	-12.63098900	4.95454700	4.17953800 H
C-C_R	-13.45579800	3.86953100	3.87704200 H
H-H_	-11.96205200	5.34224300	3.42030600 H
N-N_R	-13.41489100	3.27382400	2.58952400 H
C-C_R	-14.33366000	3.38593700	4.84797900 H
C-C_R	-12.19372000	2.96855300	1.99080600 H
C-C_R	-14.63691200	2.94149600	1.95744700 H
H-H_	-14.97608900	2.54478600	4.61419800 H
C-C_R	-12.04341800	2.99212700	0.59577600 H
C-C_R	-11.07549100	2.63950700	2.76953500 H
C-C_R	-15.68789600	3.85853400	1.95876400 H
C-C_R	-14.82367900	1.69201200	1.36299300 H
H-H_	-12.87933900	3.29079600	-0.02394200 H
C-C_R	-10.84203000	2.64777400	0.00470300 H
H-H_	-11.16201600	2.62191000	3.84840000 H
C-C_R	-9.87474800	2.32507500	2.16992500 H
C-C_R	-16.91042600	3.52823400	1.39474600 H
H-H_	-15.53503600	4.82407800	2.41716500 H
H-H_	-14.01476600	0.97060200	1.36958600 H
C-C_R	-16.04372500	1.37538600	0.78055300 H
C-C_R	-9.73442800	2.27904800	0.77840500 H
H-H_	-10.76425100	2.69003000	-1.07455700 H
H-H_	-9.00765400	2.10134400	2.77535200 H
H-H_	-17.71947800	4.25009000	1.41489200 H

C-C_R	-17.09467400	2.28515400	0.80190900 H
H-H_	-16.17769500	0.40091700	0.32399900 H
C-C_R	-8.41514100	1.92810800	0.22703500 H
H-H_	-18.05235600	2.02817200	0.36642000 H
N-N_R	-7.38955000	2.27257300	0.97833600 H
C-C_R	-8.17926300	1.27677600	-1.05446700 H
C-C_R	-6.14240200	2.14341900	0.49784900 H
N-N_R	-6.96015300	1.22395300	-1.54195500 H
C-C_R	-9.20511700	0.63005700	-1.89431100 H
C-C_R	-5.92932900	1.69125400	-0.81947600 H
C-C_R	-5.02112200	2.53842700	1.27180600 H
C-C_R	-10.36203000	0.02159500	-1.39433300 H
C-C_R	-8.96571300	0.54637000	-3.27198600 H
C-C_R	-4.62174900	1.69685600	-1.37550300 H
C-C_R	-3.76101900	2.54416900	0.71198200 H
C-C_R	-5.19731000	2.96773500	2.62099900 H
C-C_R	-11.26018400	-0.60302400	-2.24108900 H
H-H_	-10.55660400	0.00742200	-0.32968300 H
H-H_	-8.05523500	0.97957800	-3.66718300 H
C-C_R	-9.86306200	-0.06515500	-4.12302900 H
C-C_R	-3.53864700	2.14477300	-0.62241700 H
C-C_R	-4.46493200	1.19937700	-2.70519000 H
H-H_	-2.92516200	2.88605000	1.30716800 H
N-N_R	-5.28887800	3.32158200	3.71810800 H
H-H_	-12.14436400	-1.07701300	-1.83410900 H
C-C_R	-11.03296900	-0.64612400	-3.62111600 H
H-H_	-9.66562200	-0.09244600	-5.18768600 H
N-N_R	-4.33448900	0.79205400	-3.78025600 H
N-N_R	-11.94341700	-1.27537700	-4.48149700 H
C-C_R	-13.33283400	-1.13914900	-4.26341400 H
C-C_R	-11.46999800	-2.06721700	-5.55086200 H
C-C_R	-13.87528800	0.10704900	-3.94098300 H
C-C_R	-14.18330100	-2.24121500	-4.38190500 H
C-C_R	-12.13628000	-2.08168800	-6.77820300 H
C-C_R	-10.33054900	-2.85918800	-5.38986600 H
H-H_	-13.22283500	0.96902800	-3.86163800 H
C-C_R	-15.24184500	0.24312800	-3.74250300 H
H-H_	-13.76658300	-3.21091100	-4.62763400 H
C-C_R	-15.55032000	-2.09128600	-4.19745700 H
H-H_	-13.01706500	-1.46558800	-6.91548300 H
C-C_R	-11.67455500	-2.88489700	-7.81156300 H
H-H_	-9.80680800	-2.85321600	-4.44168900 H
C-C_R	-9.86996600	-3.64784100	-6.43286500 H
H-H_	-15.64950300	1.21887800	-3.50695500 H

C-C_R	-16.08861800	-0.85064900	-3.87564500 H
H-H_	-16.19778300	-2.95491600	-4.29701600 H
C-C_R	-10.54124500	-3.67135000	-7.64884900 H
H-H_	-12.20554300	-2.89216800	-8.75736900 H
H-H_	-8.98742600	-4.25933900	-6.28307000 H
H-H_	-17.15730400	-0.73567100	-3.73604300 H
H-H_	-10.18525000	-4.29338100	-8.46134600 H
C-C_R	34.64431400	-2.67592000	3.46706100 L
H-H_	33.73390700	-3.26169400	3.41065200 L
C-C_R	36.65587900	-2.04589800	4.62485800 L
H-H_	37.31034500	-2.12398900	5.48529100 L
C-C_R	35.48605400	-2.79737500	4.56714700 L
H-H_	35.23149900	-3.47186200	5.37711000 L
C-C_R	34.96392000	-1.81783200	2.42924600 L
C-C_R	36.13844000	-1.05733600	2.48885800 L
H-H_	34.31628800	-1.73511300	1.56522300 L
N-N_R	36.46125700	-0.17710800	1.44223800 L
C-C_R	36.98417200	-1.17768500	3.59908600 L
C-C_R	35.44832600	0.56116600	0.81068200 L
C-C_R	37.79571600	-0.02654800	1.03108100 L
H-H_	37.88195200	-0.57412500	3.65438400 L
C-C_R	35.47592200	0.75199000	-0.57527700 L
C-C_R	34.39494000	1.10380900	1.55864000 L
C-C_R	38.64848200	-1.13493800	0.97322300 L
C-C_R	38.28124000	1.23702900	0.67320700 L
H-H_	36.26271000	0.29235100	-1.16324500 L
C-C_R	34.48606500	1.48963100	-1.19297000 L
H-H_	34.36984500	0.96034500	2.63177800 L
C-C_R	33.40539700	1.83153600	0.92987500 L
C-C_R	39.96359300	-0.97392300	0.57130400 L
H-H_	38.26696400	-2.11615100	1.23176100 L
H-H_	37.62524200	2.09576600	0.73032900 L
C-C_R	39.59684500	1.38343800	0.26677000 L
C-C_R	33.44569700	2.06041800	-0.45024600 L
H-H_	34.50398500	1.60895800	-2.26854100 L
H-H_	32.57839300	2.23746300	1.49850900 L
H-H_	40.61388900	-1.84074700	0.52243600 L
C-C_R	40.44441100	0.28122100	0.21561000 L
H-H_	39.96324100	2.36714100	-0.00147000 L
C-C_R	32.34218300	2.81339400	-1.08876800 L
H-H_	41.47504600	0.40026700	-0.09834800 L
N-N_R	31.15027500	2.57216400	-0.56015000 L
C-C_R	32.48941600	3.67328400	-2.20171200 L
C-C_R	30.06556700	3.07438400	-1.16019900 L

N-N_R	31.40812000	4.10169800	-2.85560300 L
C-C_R	33.77481300	4.19267800	-2.70437100 L
C-C_R	30.20738500	3.79330700	-2.38107200 L
C-C_R	28.77411700	2.84914400	-0.60518500 L
C-C_R	34.83873600	4.51182900	-1.85298400 L
C-C_R	33.92215400	4.45211800	-4.07197700 L
C-C_R	29.02439700	4.20804700	-3.07292100 L
C-C_R	27.62261100	3.30953300	-1.28048100 L
C-C_R	28.70167000	2.08988200	0.59100400 L
C-C_R	36.01913200	5.02995400	-2.34907900 L
H-H_	34.72797700	4.38581400	-0.78254000 L
H-H_	33.09004800	4.24401600	-4.73247500 L
C-C_R	35.10390300	4.95926700	-4.57825500 L
C-C_R	27.78400400	3.95282800	-2.52231200 L
C-C_R	29.14357400	4.91574800	-4.29983000 L
N-N_R	28.65283700	1.46934400	1.57107800 L
H-H_	36.82523900	5.29626200	-1.67640900 L
C-C_R	36.17292700	5.24702300	-3.72308700 L
H-H_	35.20906400	5.13176800	-5.64288600 L
H-H_	26.90581300	4.30548100	-3.04653400 L
N-N_R	29.22582600	5.49429200	-5.30051100 L
N-N_R	37.37838200	5.76305900	-4.22960800 L
C-C_R	38.60552400	5.30127700	-3.72080200 L
C-C_R	37.35478600	6.73802900	-5.24722500 L
C-C_R	38.77945500	3.94435300	-3.42794200 L
C-C_R	39.66610600	6.18572600	-3.50600000 L
C-C_R	38.28884600	6.69904500	-6.28652400 L
C-C_R	36.39117700	7.75019500	-5.22971100 L
H-H_	37.96440600	3.25370100	-3.60630000 L
C-C_R	39.99033200	3.48910500	-2.92942000 L
H-H_	39.53095000	7.23841900	-3.72277600 L
C-C_R	40.87435800	5.71905700	-3.01466600 L
H-H_	39.02770400	5.90611100	-6.31027100 L
C-C_R	38.25973300	7.66161900	-7.28326400 L
H-H_	35.67067900	7.78717500	-4.42217300 L
C-C_R	36.36346700	8.70011100	-6.23982200 L
H-H_	40.11261100	2.43191000	-2.72207300 L
C-C_R	41.04604500	4.36912500	-2.72208000 L
H-H_	41.68706900	6.41823300	-2.85150200 L
C-C_R	37.29741900	8.66507600	-7.26866200 L
H-H_	38.98650500	7.61727500	-8.08556600 L
H-H_	35.61012100	9.47819800	-6.21348800 L
H-H_	41.99511700	4.00967800	-2.34275600 L
H-H_	37.27340400	9.41088100	-8.05346000 L

C-C_R	17.25660600	6.74088300	5.33073200 L
H-H_	17.95543000	7.55136500	5.50805300 L
C-C_R	15.44057000	5.35407400	6.06032200 L
H-H_	14.72028300	5.06344200	6.81612700 L
C-C_R	16.33288100	6.39030700	6.30785300 L
H-H_	16.31015800	6.91873800	7.25493700 L
C-C_R	17.28638700	6.07425600	4.11608500 L
C-C_R	16.39650400	5.02585600	3.87030500 L
H-H_	17.99986800	6.35850300	3.35162600 L
N-N_R	16.42898200	4.33786300	2.63937400 L
C-C_R	15.47304100	4.66839600	4.85576600 L
C-C_R	17.65935800	4.01279700	2.04533400 L
C-C_R	15.22380600	3.95512900	2.01658000 L
H-H_	14.78747900	3.85002900	4.67152000 L
C-C_R	17.81700900	4.08865900	0.65680400 L
C-C_R	18.75001200	3.61303000	2.82475100 L
C-C_R	14.13086700	4.82711800	1.99438100 L
C-C_R	15.10362500	2.69882900	1.41888800 L
H-H_	16.99190200	4.43294100	0.04593900 L
C-C_R	19.01905600	3.74408100	0.06697100 L
H-H_	18.64391800	3.55496300	3.90113600 L
C-C_R	19.95425400	3.29124400	2.22920200 L
C-C_R	12.94387900	4.44087500	1.39222200 L
H-H_	14.22327600	5.80536800	2.45010400 L
H-H_	15.94484400	2.01634600	1.44102100 L
C-C_R	13.91616500	2.32553700	0.80800900 L
C-C_R	20.10739800	3.32384300	0.83927400 L
H-H_	19.12022300	3.82895400	-1.00763600 L
H-H_	20.80052600	3.00017100	2.83836000 L
H-H_	12.10652200	5.12833800	1.38163400 L
C-C_R	12.82744500	3.19187700	0.79324600 L
H-H_	13.83985500	1.34475600	0.35293000 L
C-C_R	21.42072700	3.00203500	0.25107700 L
H-H_	11.89789200	2.89453900	0.32224000 L
N-N_R	22.46704800	3.35736000	0.97962400 L
C-C_R	21.61560700	2.38800900	-1.02857500 L
C-C_R	23.68838200	3.24096600	0.45632500 L
N-N_R	22.81484700	2.35824600	-1.58003600 L
C-C_R	20.55406700	1.71737400	-1.80648900 L
C-C_R	23.86667000	2.81231200	-0.88059100 L
C-C_R	24.83998700	3.59296400	1.22307200 L
C-C_R	19.53166400	0.98010000	-1.20018900 L
C-C_R	20.61033400	1.74424200	-3.20242500 L
C-C_R	25.16305700	2.80631800	-1.46440400 L

C-C_R	26.08841100	3.55661900	0.64448700 L
C-C_R	24.68391600	4.01687200	2.57443900 L
C-C_R	18.58490000	0.31946300	-1.95870000 L
H-H_	19.49138200	0.89991400	-0.12146300 L
H-H_	21.41883900	2.28297900	-3.68098900 L
C-C_R	19.65379600	1.10519200	-3.96871100 L
C-C_R	26.28311000	3.20166000	-0.70909200 L
C-C_R	25.28519300	2.32382800	-2.79543500 L
H-H_	26.94416800	3.85624200	1.23481600 L
N-N_R	24.58281600	4.36493400	3.67439500 L
H-H_	17.81298200	-0.26392200	-1.47389300 L
C-C_R	18.62074600	0.38694400	-3.35536400 L
H-H_	19.69793600	1.16052500	-5.04900700 L
N-N_R	25.38602100	1.92703100	-3.88129300 L
N-N_R	17.64048300	-0.26068700	-4.12439200 L
C-C_R	16.29806500	-0.26671400	-3.69332000 L
C-C_R	17.98799200	-0.88513400	-5.33972900 L
C-C_R	15.72748200	0.88073300	-3.13863600 L
C-C_R	15.52020200	-1.41988400	-3.82188800 L
C-C_R	17.15552800	-0.77277100	-6.45588700 L
C-C_R	19.17097300	-1.62242500	-5.44299700 L
H-H_	16.32598300	1.77877300	-3.04417800 L
C-C_R	14.40716500	0.87141800	-2.71708800 L
H-H_	15.96026800	-2.31355100	-4.24715500 L
C-C_R	14.19543600	-1.41717700	-3.41114100 L
H-H_	16.24212500	-0.19411500	-6.38267000 L
C-C_R	17.49802100	-1.39487100	-7.64682400 L
H-H_	19.81699500	-1.71635300	-4.57810500 L
C-C_R	19.51278000	-2.22550600	-6.64303500 L
H-H_	13.97984600	1.77259600	-2.29213600 L
C-C_R	13.63108000	-0.27589600	-2.85310800 L
H-H_	13.60403900	-2.31892400	-3.51607700 L
C-C_R	18.67961900	-2.12115900	-7.74995900 L
H-H_	16.84291100	-1.29799300	-8.50431900 L
H-H_	20.43481800	-2.79273800	-6.70709100 L
H-H_	12.59637900	-0.27712000	-2.53205400 L
H-H_	18.94777300	-2.59909800	-8.68536500 L
C-C_R	-25.19033500	-3.93847700	-4.26191500 L
H-H_	-26.09974200	-4.52421700	-4.31832600 L
C-C_R	-23.17776400	-3.30852200	-3.10312600 L
H-H_	-22.52329800	-3.38661300	-2.24269200 L
C-C_R	-24.34759500	-4.05989700	-3.16183100 L
H-H_	-24.60315000	-4.73441900	-2.35186600 L
C-C_R	-24.87072800	-3.08038900	-5.29973000 L

C-C_R	-23.69620800	-2.31989300	-5.24011800 L
H-H_	-25.51736100	-2.99763500	-6.16375500 L
N-N_R	-23.37239200	-1.43963000	-6.28674100 L
C-C_R	-22.85047600	-2.44024200	-4.12989000 L
C-C_R	-24.38531700	-0.70145800	-6.91730200 L
C-C_R	-22.03793300	-1.28907000	-6.69789700 L
H-H_	-21.95169700	-1.83664800	-4.07459400 L
C-C_R	-24.35872700	-0.51056700	-8.30425300 L
C-C_R	-25.43870900	-0.15871400	-6.17033800 L
C-C_R	-21.18616000	-2.39759700	-6.75475800 L
C-C_R	-21.55340900	-0.02552800	-7.05576800 L
H-H_	-23.57093900	-0.97017100	-8.89222400 L
C-C_R	-25.34857700	0.22697200	-8.92095100 L
H-H_	-25.46479700	-0.30231400	-5.09620300 L
C-C_R	-26.42825200	0.56901300	-6.79910300 L
C-C_R	-19.87005600	-2.23644500	-7.15767400 L
H-H_	-21.56668500	-3.37867300	-6.49721700 L
H-H_	-22.20840000	0.83314200	-6.99765500 L
C-C_R	-20.23680400	0.12091600	-7.46220900 L
C-C_R	-26.38894500	0.79775900	-8.17822700 L
H-H_	-25.33066300	0.34640100	-9.99751700 L
H-H_	-27.25525600	0.97494100	-6.23047000 L
H-H_	-19.22075900	-3.10330400	-7.20654000 L
C-C_R	-19.38923100	-0.98140400	-7.51237400 L
H-H_	-19.87040200	1.10451600	-7.72945400 L
C-C_R	-27.49146600	1.55087200	-8.81774700 L
H-H_	-18.35959600	-0.86239200	-7.82632900 L
N-N_R	-28.68336800	1.30953900	-8.28813400 L
C-C_R	-27.34423300	2.41076200	-9.93069000 L
C-C_R	-29.76808200	1.81186200	-8.88917800 L
N-N_R	-28.42552900	2.83917600	-10.58458100 L
C-C_R	-26.05883600	2.93015600	-10.43335000 L
C-C_R	-29.62626400	2.53078500	-10.11005100 L
C-C_R	-31.05953200	1.58662200	-8.33416300 L
C-C_R	-24.99491300	3.24930700	-9.58196300 L
C-C_R	-25.91149500	3.18959600	-11.80095600 L
C-C_R	-30.81025100	2.94549000	-10.80189700 L
C-C_R	-32.21203700	2.04697600	-9.00945700 L
C-C_R	-31.13197200	0.82725800	-7.13698000 L
C-C_R	-23.81451700	3.76743200	-10.07805800 L
H-H_	-25.10667100	3.12325700	-8.51151600 L
H-H_	-26.74460100	2.98145900	-12.46145100 L
C-C_R	-24.72974600	3.69674500	-12.30723400 L
C-C_R	-32.04964500	2.69030600	-10.25129000 L

C-C_R	-30.69107400	3.65319100	-12.02880600 L
N-N_R	-31.18181100	0.20678700	-6.15789800 L
H-H_	-23.00841000	4.03374000	-9.40538800 L
C-C_R	-23.66072200	3.98450100	-11.45206600 L
H-H_	-24.62458500	3.86924500	-13.37186400 L
H-H_	-32.92882900	3.04282200	-10.77451500 L
N-N_R	-30.60782300	4.23177000	-13.02948900 L
N-N_R	-22.45626600	4.50050200	-11.95858300 L
C-C_R	-21.22912500	4.03872000	-11.44977700 L
C-C_R	-22.47886300	5.47550700	-12.97620400 L
C-C_R	-21.05419400	2.68183100	-11.15692000 L
C-C_R	-20.16754300	4.92320400	-11.23497900 L
C-C_R	-21.54479700	5.43642100	-14.01450800 L
C-C_R	-23.44247200	6.48767300	-12.95868900 L
H-H_	-21.86923700	1.99107700	-11.33428400 L
C-C_R	-19.84331700	2.22658300	-10.65839900 L
H-H_	-20.30269900	5.97589700	-11.45175400 L
C-C_R	-18.95929100	4.45653500	-10.74364500 L
H-H_	-20.80594500	4.64358900	-14.03924900 L
C-C_R	-21.57391000	6.39899400	-15.01124800 L
H-H_	-24.16297000	6.52465300	-12.15115200 L
C-C_R	-23.47017500	7.43748600	-13.96780600 L
H-H_	-19.72103200	1.16928600	-10.45005700 L
C-C_R	-18.78760400	3.10660300	-10.45105800 L
H-H_	-18.14657400	5.15560800	-10.57948600 L
C-C_R	-22.53622400	7.40245200	-14.99664600 L
H-H_	-20.84713800	6.35465000	-15.81354900 L
H-H_	-24.22352800	8.21567600	-13.94246600 L
H-H_	-17.83853200	2.74715500	-10.07173500 L
H-H_	-22.56024500	8.14835900	-15.78243900 L
C-C_R	-42.57704300	5.47836000	-2.39824700 L
H-H_	-41.87821900	6.28884300	-2.22092500 L
C-C_R	-44.39307900	4.09155200	-1.66865700 L
H-H_	-45.11336600	3.80092000	-0.91285200 L
C-C_R	-43.50076800	5.12778500	-1.42112500 L
H-H_	-43.52349100	5.65621500	-0.47404200 L
C-C_R	-42.54726200	4.81173400	-3.61289300 L
C-C_R	-43.43714500	3.76333300	-3.85867300 L
H-H_	-41.83378100	5.09598100	-4.37735300 L
N-N_R	-43.40466700	3.07534000	-5.08960500 L
C-C_R	-44.36060800	3.40587400	-2.87321300 L
C-C_R	-42.17429100	2.75027400	-5.68364500 L
C-C_R	-44.60984400	2.69260700	-5.71239900 L
H-H_	-45.04617000	2.58750700	-3.05745900 L

C-C_R	-42.01664000	2.82613700	-7.07217400 L
C-C_R	-41.08363100	2.35040600	-4.90323300 L
C-C_R	-45.70278200	3.56459600	-5.73459800 L
C-C_R	-44.73002400	1.43630600	-6.31009100 L
H-H_	-42.84174700	3.17041800	-7.68304000 L
C-C_R	-40.81459300	2.48155800	-7.66200700 L
H-H_	-41.18973100	2.29244000	-3.82784200 L
C-C_R	-39.87939500	2.02872200	-5.49977700 L
C-C_R	-46.88977000	3.17835300	-6.33675600 L
H-H_	-45.61037300	4.54284600	-5.27887500 L
H-H_	-43.88880500	0.75382300	-6.28795800 L
C-C_R	-45.91748400	1.06301500	-6.92096900 L
C-C_R	-39.72625100	2.06132100	-6.88970400 L
H-H_	-40.71342000	2.56633000	-8.73562000 L
H-H_	-39.03312300	1.73764900	-4.89061900 L
H-H_	-47.72812700	3.86578100	-6.34734200 L
C-C_R	-47.00620400	1.92935400	-6.93573200 L
H-H_	-45.99479300	0.08219900	-7.37604500 L
C-C_R	-38.41392100	1.73947800	-7.47789900 L
H-H_	-47.93575000	1.63191400	-7.40574400 L
N-N_R	-37.36660100	2.09483800	-6.74935400 L
C-C_R	-38.21804200	1.12548700	-8.75755300 L
C-C_R	-36.14626000	1.97830700	-7.27165600 L
N-N_R	-37.01880200	1.09572400	-9.30901400 L
C-C_R	-39.27958200	0.45485200	-9.53546700 L
C-C_R	-35.96797800	1.54975500	-8.60956700 L
C-C_R	-34.99366200	2.33044200	-6.50590700 L
C-C_R	-40.30198500	-0.28242200	-8.92916700 L
C-C_R	-39.22331500	0.48172000	-10.93140300 L
C-C_R	-34.67059200	1.54379600	-9.19338300 L
C-C_R	-33.74523800	2.29409600	-7.08449100 L
C-C_R	-35.14972700	2.75424800	-5.15354500 L
C-C_R	-41.24874900	-0.94305900	-9.68767900 L
H-H_	-40.34226700	-0.36260800	-7.85044200 L
H-H_	-38.41481000	1.02045700	-11.40996700 L
C-C_R	-40.17985300	-0.15733100	-11.69769000 L
C-C_R	-33.55053300	1.93903500	-8.43707600 L
C-C_R	-34.54945500	1.06127100	-10.52441100 L
H-H_	-32.88948100	2.59371900	-6.49416300 L
N-N_R	-35.25083300	3.10241100	-4.05458300 L
H-H_	-42.02166600	-1.52647900	-9.20286900 L
C-C_R	-41.21290300	-0.87557800	-11.08434300 L
H-H_	-40.13571300	-0.10199700	-12.77798600 L
N-N_R	-34.44862700	0.66447400	-11.61026900 L

N-N_R	-42.19316600	-1.52320900	-11.85337100 L
C-C_R	-43.53558400	-1.52923600	-11.42229800 L
C-C_R	-41.84565700	-2.14765600	-13.06870700 L
C-C_R	-44.10616700	-0.38178900	-10.86761400 L
C-C_R	-44.31344700	-2.68240700	-11.55086700 L
C-C_R	-42.67812100	-2.03529300	-14.18486500 L
C-C_R	-40.66267000	-2.88504900	-13.17098000 L
H-H_	-43.50766600	0.51625000	-10.77315600 L
C-C_R	-45.42748400	-0.39113900	-10.44606400 L
H-H_	-43.87337500	-3.57617600	-11.97513800 L
C-C_R	-45.63820600	-2.67980200	-11.13912500 L
H-H_	-43.59152400	-1.45663700	-14.11164900 L
C-C_R	-42.33562800	-2.65739400	-15.37580200 L
H-H_	-40.01765400	-2.97891000	-12.30708000 L
C-C_R	-40.32086900	-3.48802900	-14.37201300 L
H-H_	-45.85380300	0.51007400	-10.02111400 L
C-C_R	-46.20256900	-1.53841800	-10.58208700 L
H-H_	-46.22961000	-3.58144600	-11.24505600 L
C-C_R	-41.15403000	-3.38368100	-15.47893700 L
H-H_	-42.99073800	-2.56051600	-16.23329700 L
H-H_	-39.39883100	-4.05526000	-14.43606900 L
H-H_	-47.23727000	-1.53964200	-10.26103300 L
H-H_	-40.88587600	-3.86162000	-16.41434300 L
C-C_R	4.70158900	-2.90200700	-4.34410100 L
H-H_	3.79218200	-3.48774600	-4.40051200 L
C-C_R	6.71415900	-2.27205200	-3.18531100 L
H-H_	7.36862500	-2.35014300	-2.32487800 L
C-C_R	5.54432800	-3.02342700	-3.24401700 L
H-H_	5.28877400	-3.69794800	-2.43405100 L
C-C_R	5.02219400	-2.04388400	-5.38191800 L
C-C_R	6.19671400	-1.28338800	-5.32230600 L
H-H_	4.37456200	-1.96116500	-6.24594100 L
N-N_R	6.51953100	-0.40316000	-6.36892600 L
C-C_R	7.04244700	-1.40373700	-4.21207800 L
C-C_R	5.50660700	0.33501200	-6.99948700 L
C-C_R	7.85399100	-0.25259900	-6.78008300 L
H-H_	7.94022600	-0.80017700	-4.15678000 L
C-C_R	5.53319700	0.52590300	-8.38643800 L
C-C_R	4.45321500	0.87775700	-6.25252400 L
C-C_R	8.70676200	-1.36109200	-6.83694600 L
C-C_R	8.33851500	1.01094300	-7.13795400 L
H-H_	6.32098400	0.06630000	-8.97440900 L
C-C_R	4.54434500	1.26347700	-9.00313900 L
H-H_	4.42812600	0.73419100	-5.17839100 L

C-C_R	3.46367100	1.60548400	-6.88128900 L
C-C_R	10.02186700	-1.19997500	-7.23986000 L
H-H_	8.32523800	-2.34220300	-6.57940300 L
H-H_	7.68352300	1.86961200	-7.07984000 L
C-C_R	9.65511900	1.15738600	-7.54439400 L
C-C_R	3.50397800	1.83426400	-8.26041500 L
H-H_	4.56126000	1.38287100	-10.07970200 L
H-H_	2.63666700	2.01141200	-6.31265500 L
H-H_	10.67116400	-2.06683300	-7.28872600 L
C-C_R	10.50269200	0.05506700	-7.59455900 L
H-H_	10.02152100	2.14098700	-7.81163900 L
C-C_R	2.40045700	2.58734200	-8.89993200 L
H-H_	11.53332700	0.17411300	-7.90851800 L
N-N_R	1.20855500	2.34601000	-8.37032000 L
C-C_R	2.54769000	3.44723200	-10.01287600 L
C-C_R	0.12384100	2.84833200	-8.97136300 L
N-N_R	1.46639400	3.87564600	-10.66676700 L
C-C_R	3.83308800	3.96662600	-10.51553500 L
C-C_R	0.26565900	3.56725500	-10.19223600 L
C-C_R	-1.16760900	2.62309200	-8.41634900 L
C-C_R	4.89701000	4.28577700	-9.66414800 L
C-C_R	3.98042800	4.22606700	-11.88314100 L
C-C_R	-0.91732900	3.98199500	-10.88408500 L
C-C_R	-2.32011400	3.08344700	-9.09164300 L
C-C_R	-1.24004900	1.86372900	-7.21916500 L
C-C_R	6.07740600	4.80390200	-10.16024300 L
H-H_	4.78625200	4.15976200	-8.59370400 L
H-H_	3.14832200	4.01796400	-12.54363900 L
C-C_R	5.16217700	4.73321500	-12.38941900 L
C-C_R	-2.15772100	3.72677600	-10.33347600 L
C-C_R	-0.79915100	4.68966100	-12.11099100 L
N-N_R	-1.28988800	1.24325700	-6.24008300 L
H-H_	6.88351300	5.07021100	-9.48757300 L
C-C_R	6.23120200	5.02097100	-11.53425100 L
H-H_	5.26733800	4.90571600	-13.45405000 L
H-H_	-3.03590700	4.07932700	-10.85670300 L
N-N_R	-0.71590000	5.26824000	-13.11167500 L
N-N_R	7.43665600	5.53700700	-12.04077200 L
C-C_R	8.66279900	5.07519100	-11.53196300 L
C-C_R	7.41306000	6.51197700	-13.05838900 L
C-C_R	8.83772900	3.71830100	-11.23910600 L
C-C_R	9.72438000	5.95967400	-11.31716400 L
C-C_R	8.34712600	6.47289100	-14.09669400 L
C-C_R	6.44945100	7.52414300	-13.04087500 L

H-H_	8.02268600	3.02754700	-11.41646900 L
C-C_R	10.04860700	3.26305300	-10.74058400 L
H-H_	9.58922400	7.01236700	-11.53394000 L
C-C_R	10.93263200	5.49300500	-10.82583000 L
H-H_	9.08597900	5.68005900	-14.12143400 L
C-C_R	8.31801400	7.43546500	-15.09343300 L
H-H_	5.72895300	7.56112300	-12.23333700 L
C-C_R	6.42174800	8.47395700	-14.04999100 L
H-H_	10.17089100	2.20575600	-10.53224200 L
C-C_R	11.10431900	4.14307300	-10.53324400 L
H-H_	11.74534900	6.19207900	-10.66167200 L
C-C_R	7.35569900	8.43892200	-15.07883100 L
H-H_	9.04478500	7.39112100	-15.89573500 L
H-H_	5.66839600	9.25214600	-14.02465200 L
H-H_	12.05339100	3.78362600	-10.15392000 L
H-H_	7.33167800	9.18482900	-15.86462400 L
C-C_R	-12.68512000	6.51483100	-2.48043200 L
H-H_	-11.98629600	7.32531400	-2.30311100 L
C-C_R	-14.50115600	5.12802200	-1.75084200 L
H-H_	-15.22144300	4.83739000	-0.99503700 L
C-C_R	-13.60884500	6.16425600	-1.50331100 L
H-H_	-13.63156800	6.69268600	-0.55622700 L
C-C_R	-12.65533900	5.84820400	-3.69507900 L
C-C_R	-13.54522200	4.79980400	-3.94085900 L
H-H_	-11.94185800	6.13245100	-4.45953800 L
N-N_R	-13.51274300	4.11181100	-5.17179000 L
C-C_R	-14.46868500	4.44234500	-2.95539800 L
C-C_R	-12.28236800	3.78674500	-5.76583000 L
C-C_R	-14.71792000	3.72907700	-5.79458400 L
H-H_	-15.15424700	3.62397800	-3.13964400 L
C-C_R	-12.12471700	3.86260700	-7.15436000 L
C-C_R	-11.19170700	3.38687600	-4.98541800 L
C-C_R	-15.81085900	4.60106600	-5.81678300 L
C-C_R	-14.83810100	2.47277700	-6.39227600 L
H-H_	-12.94982400	4.20688900	-7.76522500 L
C-C_R	-10.92267000	3.51802900	-7.74419300 L
H-H_	-11.29780800	3.32891100	-3.91002800 L
C-C_R	-9.98747100	3.06519200	-5.58196200 L
C-C_R	-16.99784600	4.21482300	-6.41894200 L
H-H_	-15.71845000	5.57931700	-5.36106000 L
H-H_	-13.99688100	1.79029400	-6.37014300 L
C-C_R	-16.02556100	2.09948500	-7.00315500 L
C-C_R	-9.83432800	3.09779100	-6.97189000 L
H-H_	-10.82149700	3.60280000	-8.81780500 L

H-H_	-9.14120000	2.77411900	-4.97280400 L
H-H_	-17.83620400	4.90225200	-6.42952700 L
C-C_R	-17.11428100	2.96582500	-7.01791800 L
H-H_	-16.10187100	1.11870400	-7.45823400 L
C-C_R	-8.52199800	2.77594800	-7.56008400 L
H-H_	-18.04382700	2.66838500	-7.48792900 L
N-N_R	-7.47467700	3.13130800	-6.83154000 L
C-C_R	-8.32611900	2.16195700	-8.83973900 L
C-C_R	-6.25333800	3.01481200	-7.35384500 L
N-N_R	-7.12687800	2.13219400	-9.39120000 L
C-C_R	-9.38765900	1.49132200	-9.61765300 L
C-C_R	-6.07605500	2.58622500	-8.69175200 L
C-C_R	-5.10173900	3.36691200	-6.58809200 L
C-C_R	-10.41006200	0.75404800	-9.01135300 L
C-C_R	-9.33139200	1.51819000	-11.01358900 L
C-C_R	-4.77866800	2.58026600	-9.27556800 L
C-C_R	-3.85331500	3.33056700	-7.16667700 L
C-C_R	-5.25780300	3.79071800	-5.23573000 L
C-C_R	-11.35682500	0.09341100	-9.76986400 L
H-H_	-10.45034400	0.67386300	-7.93262700 L
H-H_	-8.52288700	2.05692700	-11.49215300 L
C-C_R	-10.28793000	0.87914000	-11.77987500 L
C-C_R	-3.65861000	2.97550600	-8.51926200 L
C-C_R	-4.65653200	2.09777600	-10.60659900 L
H-H_	-2.99755800	3.63019000	-6.57634800 L
N-N_R	-5.35891000	4.13888200	-4.13676800 L
H-H_	-12.12874400	-0.48997400	-9.28505700 L
C-C_R	-11.32098000	0.16089200	-11.16652800 L
H-H_	-10.24378900	0.93447300	-12.86017100 L
N-N_R	-4.55570500	1.70097900	-11.69245700 L
N-N_R	-12.30124300	-0.48673900	-11.93555600 L
C-C_R	-13.64366100	-0.49276500	-11.50448400 L
C-C_R	-11.95373400	-1.11118600	-13.15089300 L
C-C_R	-14.21424400	0.65468200	-10.94980000 L
C-C_R	-14.42152400	-1.64593600	-11.63305200 L
C-C_R	-12.78619700	-0.99882300	-14.26705100 L
C-C_R	-10.77074700	-1.84857900	-13.25316600 L
H-H_	-13.61574300	1.55272100	-10.85534200 L
C-C_R	-15.53456100	0.64536600	-10.52825200 L
H-H_	-13.98145200	-2.53970500	-12.05732400 L
C-C_R	-15.74628300	-1.64333100	-11.22131000 L
H-H_	-13.69960000	-0.42016700	-14.19383400 L
C-C_R	-12.44370500	-1.62092300	-15.45798800 L
H-H_	-10.12573100	-1.94243900	-12.38926600 L

C-C_R	-10.42894500	-2.45155800	-14.45419900 L
H-H_	-15.96188000	1.54654500	-10.10330000 L
C-C_R	-16.31064600	-0.50194800	-10.66427200 L
H-H_	-16.33768700	-2.54497600	-11.32724100 L
C-C_R	-11.26210600	-2.34721100	-15.56112300 L
H-H_	-13.09881400	-1.52404500	-16.31548300 L
H-H_	-9.50690800	-3.01879000	-14.51825500 L
H-H_	-17.34534700	-0.50317200	-10.34321800 L
H-H_	-10.99395300	-2.82515000	-16.49652800 L
C-C_R	34.59451100	-1.86550200	-4.42628900 L
H-H_	33.68410500	-2.45127600	-4.48269700 L
C-C_R	36.60608300	-1.23558100	-3.26749700 L
H-H_	37.26054800	-1.31367200	-2.40706300 L
C-C_R	35.43625200	-1.98695600	-3.32620200 L
H-H_	35.18169600	-2.66144300	-2.51624000 L
C-C_R	34.91411700	-1.00741300	-5.46410400 L
C-C_R	36.08863800	-0.24691700	-5.40449200 L
H-H_	34.26648600	-0.92469400	-6.32812600 L
N-N_R	36.41145400	0.63331100	-6.45111200 L
C-C_R	36.93437000	-0.36726600	-4.29426400 L
C-C_R	35.39853000	1.37148300	-7.08167300 L
C-C_R	37.74591400	0.78387100	-6.86226800 L
H-H_	37.83214900	0.23629300	-4.23896500 L
C-C_R	35.42611900	1.56240800	-8.46862700 L
C-C_R	34.34513800	1.91422700	-6.33470900 L
C-C_R	38.59868600	-0.32462200	-6.91913200 L
C-C_R	38.23143700	2.04744800	-7.22014200 L
H-H_	36.21290700	1.10277000	-9.05659500 L
C-C_R	34.43626900	2.29994800	-9.08532500 L
H-H_	34.32004900	1.77066100	-5.26057600 L
C-C_R	33.35559400	2.64195400	-6.96347500 L
C-C_R	39.91379000	-0.16350500	-7.32204500 L
H-H_	38.21716100	-1.30573200	-6.66158800 L
H-H_	37.57544600	2.90608300	-7.16202600 L
C-C_R	39.54704200	2.19385700	-7.62658000 L
C-C_R	33.39590100	2.87073500	-8.34260100 L
H-H_	34.45418300	2.41937600	-10.16189000 L
H-H_	32.52859000	3.04788200	-6.39484100 L
H-H_	40.56408700	-1.03032800	-7.37091400 L
C-C_R	40.39461500	1.09153700	-7.67674500 L
H-H_	39.91344400	3.17745700	-7.89382500 L
C-C_R	32.29238100	3.62381200	-8.98211800 L
H-H_	41.42525000	1.21058300	-7.99070300 L
N-N_R	31.10047800	3.38248000	-8.45250500 L

C-C_R	32.43961400	4.48370300	-10.09506100 L
C-C_R	30.01576400	3.88480300	-9.05354900 L
N-N_R	31.35831800	4.91211700	-10.74895200 L
C-C_R	33.72501100	5.00309700	-10.59772100 L
C-C_R	30.15758300	4.60372600	-10.27442200 L
C-C_R	28.72431400	3.65956200	-8.49853400 L
C-C_R	34.78893400	5.32224800	-9.74633400 L
C-C_R	33.87235200	5.26253700	-11.96532700 L
C-C_R	28.97459500	5.01846500	-10.96627000 L
C-C_R	27.57280900	4.11995200	-9.17383100 L
C-C_R	28.65187400	2.90019900	-7.30135100 L
C-C_R	35.96932900	5.84037200	-10.24242900 L
H-H_	34.67817500	5.19623200	-8.67589000 L
H-H_	33.04024500	5.05443400	-12.62582500 L
C-C_R	35.05410100	5.76968600	-12.47160500 L
C-C_R	27.73420200	4.76324700	-10.41566100 L
C-C_R	29.09377100	5.72616600	-12.19317900 L
N-N_R	28.60303500	2.27976200	-6.32227200 L
H-H_	36.77543700	6.10668100	-9.56975900 L
C-C_R	36.12312500	6.05744100	-11.61643700 L
H-H_	35.15926100	5.94218600	-13.53623500 L
H-H_	26.85601700	5.11579700	-10.93888900 L
N-N_R	29.17602300	6.30471000	-13.19386000 L
N-N_R	37.32857900	6.57347700	-12.12295700 L
C-C_R	38.55572100	6.11169600	-11.61415100 L
C-C_R	37.30498300	7.54844700	-13.14057500 L
C-C_R	38.72965300	4.75477200	-11.32129100 L
C-C_R	39.61630400	6.99614500	-11.39935000 L
C-C_R	38.23904900	7.50936200	-14.17887900 L
C-C_R	36.34137500	8.56061400	-13.12306000 L
H-H_	37.91460900	4.06401800	-11.49865500 L
C-C_R	39.94053000	4.29952400	-10.82277000 L
H-H_	39.48114700	8.04883700	-11.61612500 L
C-C_R	40.82455500	6.52947600	-10.90801600 L
H-H_	38.97790200	6.71652900	-14.20362000 L
C-C_R	38.20993700	8.47193500	-15.17561900 L
H-H_	35.62087700	8.59759400	-12.31552300 L
C-C_R	36.31367100	9.51042700	-14.13217700 L
H-H_	40.06281500	3.24222700	-10.61442800 L
C-C_R	40.99624200	5.17954400	-10.61542900 L
H-H_	41.63727300	7.22854900	-10.74385700 L
C-C_R	37.24762300	9.47539300	-15.16101700 L
H-H_	38.93670800	8.42759100	-15.97792000 L
H-H_	35.56031900	10.28861700	-14.10683700 L

H-H_	41.94531400	4.82009600	-10.23610600 L
H-H_	37.22360100	10.22129900	-15.94681000 L
C-C_R	17.20680300	7.55130100	-2.56261800 L
H-H_	17.90562700	8.36178400	-2.38529700 L
C-C_R	15.39076800	6.16449300	-1.83302800 L
H-H_	14.67048000	5.87386100	-1.07722300 L
C-C_R	16.28307800	7.20072600	-1.58549600 L
H-H_	16.26035500	7.72915600	-0.63841300 L
C-C_R	17.23658400	6.88467500	-3.77726400 L
C-C_R	16.34670100	5.83627400	-4.02304400 L
H-H_	17.95006500	7.16892200	-4.54172400 L
N-N_R	16.37918000	5.14828100	-5.25397600 L
C-C_R	15.42323800	5.47881500	-3.03758400 L
C-C_R	17.60955600	4.82321500	-5.84801600 L
C-C_R	15.17400300	4.76554800	-5.87677000 L
H-H_	14.73767600	4.66044800	-3.22183000 L
C-C_R	17.76720700	4.89907800	-7.23654500 L
C-C_R	18.70021600	4.42334600	-5.06760400 L
C-C_R	14.08106400	5.63753600	-5.89896900 L
C-C_R	15.05382300	3.50924700	-6.47446200 L
H-H_	16.94209900	5.24335900	-7.84741100 L
C-C_R	18.96925300	4.55449900	-7.82637800 L
H-H_	18.59411500	4.36538100	-3.99221400 L
C-C_R	19.90445200	4.10166300	-5.66414800 L
C-C_R	12.89407700	5.25129300	-6.50112700 L
H-H_	14.17347300	6.61578700	-5.44324600 L
H-H_	15.89504200	2.82676400	-6.45232900 L
C-C_R	13.86636200	3.13595600	-7.08534000 L
C-C_R	20.05759500	4.13426200	-7.05407500 L
H-H_	19.07042700	4.63927000	-8.89999100 L
H-H_	20.75072400	3.81059000	-5.05499000 L
H-H_	12.05671900	5.93875700	-6.51171500 L
C-C_R	12.77764200	4.00229500	-7.10010300 L
H-H_	13.79005200	2.15517500	-7.54041900 L
C-C_R	21.37092500	3.81245300	-7.64227200 L
H-H_	11.84809600	3.70485500	-7.57011500 L
N-N_R	22.41724600	4.16777800	-6.91372500 L
C-C_R	21.56580400	3.19842800	-8.92192400 L
C-C_R	23.63858600	4.05128300	-7.43603000 L
N-N_R	22.76504500	3.16866400	-9.47338500 L
C-C_R	20.50426400	2.52779300	-9.69983800 L
C-C_R	23.81686800	3.62273100	-8.77394100 L
C-C_R	24.79018400	4.40338300	-6.67027800 L
C-C_R	19.48186100	1.79051900	-9.09353800 L

C-C_R	20.56053200	2.55466000	-11.09577400 L
C-C_R	25.11325500	3.61673700	-9.35775400 L
C-C_R	26.03860900	4.36703700	-7.24886200 L
C-C_R	24.63412000	4.82718900	-5.31791600 L
C-C_R	18.53509800	1.12988100	-9.85205000 L
H-H_	19.44158000	1.71033300	-8.01481300 L
H-H_	21.36903600	3.09339700	-11.57433900 L
C-C_R	19.60399300	1.91561000	-11.86206100 L
C-C_R	26.23331400	4.01197600	-8.60144700 L
C-C_R	25.23539100	3.13424700	-10.68878500 L
H-H_	26.89436500	4.66666000	-6.65853400 L
N-N_R	24.53301400	5.17535200	-4.21895400 L
H-H_	17.76317900	0.54649600	-9.36724300 L
C-C_R	18.57094300	1.19736200	-11.24871400 L
H-H_	19.64813400	1.97094300	-12.94235700 L
N-N_R	25.33621800	2.73745000	-11.77464300 L
N-N_R	17.59068000	0.54973100	-12.01774200 L
C-C_R	16.24826200	0.54370500	-11.58666900 L
C-C_R	17.93819000	-0.07471500	-13.23307800 L
C-C_R	15.67767900	1.69115200	-11.03198500 L
C-C_R	15.47040000	-0.60946600	-11.71523800 L
C-C_R	17.10572600	0.03764700	-14.34923600 L
C-C_R	19.12117600	-0.81210800	-13.33535100 L
H-H_	16.27618100	2.58919100	-10.93752700 L
C-C_R	14.35736200	1.68183600	-10.61043700 L
H-H_	15.91047200	-1.50323500	-12.13950900 L
C-C_R	14.14564000	-0.60686100	-11.30349600 L
H-H_	16.19232300	0.61630400	-14.27602000 L
C-C_R	17.44821800	-0.58445300	-15.54017300 L
H-H_	19.76719200	-0.90593400	-12.47145400 L
C-C_R	19.46297800	-1.41508800	-14.53638400 L
H-H_	13.93004300	2.58301500	-10.18548500 L
C-C_R	13.58127700	0.53452300	-10.74645800 L
H-H_	13.55423600	-1.50850500	-11.40942700 L
C-C_R	18.62981700	-1.31074000	-15.64330800 L
H-H_	16.79310900	-0.48757500	-16.39766800 L
H-H_	20.38501500	-1.98231900	-14.60044000 L
H-H_	12.54657600	0.53329900	-10.42540400 L
H-H_	18.89797100	-1.78867900	-16.57871400 L