

## Alternative Graph-4-yne Stacking Fashion: Toward selective CO<sub>2</sub> Capture

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### S.1. Cartesian coordinates of the initial configuration (AB, stack-9 structure) used for the MD analysis

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C1	23.076082	0.628282	3.658301

C1	17.045133	-12.150890	3.658301
C1	9.672762	0.628730	3.658301
C1	24.418920	0.628730	3.658301
C1	25.679029	-24.929445	3.658301
C1	18.306659	-12.149826	3.658301
C1	10.934290	0.629791	3.658301
C1	25.680447	0.629791	3.658301
C1	13.028814	-14.617752	3.658301
C1	5.656443	-1.838134	3.658301
C1	-1.715928	10.941486	3.658301
C1	27.774971	-14.617752	3.658301
C1	20.402601	-1.838134	3.658301
C1	13.030230	10.941486	3.658301
C1	27.776387	10.941486	3.658301
C1	13.657110	-15.701348	3.658301
C1	6.284738	-2.921728	3.658301
C1	-1.087632	9.857890	3.658301
C1	28.403267	-15.701348	3.658301
C1	21.030897	-2.921728	3.658301
C1	13.658525	9.857890	3.658301
C1	28.404684	9.857890	3.658301
C1	14.328748	-16.865801	3.658301
C1	6.956377	-4.086182	3.658301
C1	-0.415994	8.693435	3.658301
C1	29.074904	-16.865801	3.658301
C1	21.702534	-4.086182	3.658301
C1	14.330163	8.693435	3.658301
C1	29.076321	8.693435	3.658301
C1	14.957869	-17.959391	3.658301
C1	7.585497	-5.179773	3.658301
C1	0.213127	7.599844	3.658301
C1	22.331654	-5.179773	3.658301
C1	14.959285	7.599844	3.658301
C1	20.401819	-22.462483	3.658301
C1	13.029449	-9.682863	3.658301
C1	5.657077	3.096757	3.658301
C1	27.775607	-9.682863	3.658301
C1	20.403236	3.096757	3.658301
C1	21.029571	-21.378452	3.658301
C1	13.657201	-8.598833	3.658301
C1	6.284830	4.180786	3.658301
C1	28.403360	-8.598833	3.658301
C1	21.030988	4.180786	3.658301
C1	21.701428	-20.213794	3.658301
C1	14.329057	-7.434175	3.658301
C1	6.956685	5.345446	3.658301
C1	29.075214	-7.434175	3.658301
C1	21.702842	5.345446	3.658301
C1	22.330455	-19.120037	3.658301
C1	14.958085	-6.340418	3.658301
C1	7.585714	6.439201	3.658301
C1	22.331872	6.439201	3.658301
C1	16.129544	-24.928898	3.658301
C1	8.757328	-12.149546	3.658301
C1	1.384956	0.630073	3.658301
C1	23.503484	-12.149546	3.658301
C1	16.131114	0.630073	3.658301
C1	14.876902	-24.927646	3.658301
C1	7.504531	-12.148025	3.658301
C1	0.132160	0.631594	3.658301
C1	22.250688	-12.148025	3.658301
C1	14.878317	0.631594	3.658301
C1	28.279398	-24.927377	3.658301
C1	20.907027	-12.147758	3.658301
C1	13.534657	0.631861	3.658301

C1	28.280815	0.631861	3.658301
C1	27.017059	-24.928028	3.658301
C1	19.644689	-12.148409	3.658301
C1	12.272317	0.631209	3.658301
C1	27.018476	0.631209	3.658301
C1	-1.699386	13.408810	3.658301
C1	13.045355	-12.150429	3.658301
C1	5.672985	0.629192	3.658301
C1	13.046772	13.408810	3.658301
C1	27.791512	-12.150429	3.658301
C1	20.419141	0.629192	3.658301
C1	27.792928	13.408810	3.658301
C1	18.255654	-23.679894	3.658301
C1	10.883285	-10.900275	3.658301
C1	3.510914	1.879344	3.658301
C1	25.629441	-10.900275	3.658301
C1	18.257071	1.879344	3.658301
C1	10.883176	-13.400021	3.658301
C1	3.510804	-0.620401	3.658301
C1	-3.861566	12.159218	3.658301
C1	25.629333	-13.400021	3.658301
C1	18.256961	-0.620401	3.658301
C1	10.884592	12.159218	3.658301
C1	25.630751	12.159218	3.658301
C1	17.535087	-24.929613	3.658301
C1	10.162717	-12.149995	3.658301
C1	2.790347	0.629625	3.658301
C1	24.908874	-12.149995	3.658301
C1	17.536503	0.629625	3.658301
C1	12.325091	-13.400058	3.658301
C1	4.952721	-0.620440	3.658301
C1	-2.419650	12.159180	3.658301
C1	27.071248	-13.400058	3.658301
C1	19.698877	-0.620440	3.658301
C1	12.326507	12.159180	3.658301
C1	27.072665	12.159180	3.658301
C1	19.697616	-23.679932	3.658301
C1	12.325245	-10.900315	3.658301
C1	4.952873	1.879306	3.658301
C1	27.071402	-10.900315	3.658301
C1	19.699030	1.879306	3.658301
C1	24.417503	-24.930508	3.658301
C1	-4.578345	15.869048	3.658301
C1	10.167813	15.869048	3.658301
C1	24.913971	15.869048	3.658301
C1	-5.206619	16.952504	3.658301
C1	9.539540	16.952504	3.658301
C1	24.285695	16.952504	3.658301
C1	-5.879723	18.115872	3.658301
C1	8.866433	18.115872	3.658301
C1	23.612592	18.115872	3.658301
C1	-6.507701	19.209705	3.658301
C1	8.238456	19.209705	3.658301
C1	22.984613	19.209705	3.658301
C1	-11.950473	23.713383	3.658301
C1	2.795685	23.713383	3.658301
C1	17.541843	23.713383	3.658301
C1	-12.577267	22.628918	3.658301
C1	2.168890	22.628918	3.658301
C1	16.915049	22.628918	3.658301
C1	1.495974	21.465487	3.658301
C1	16.242130	21.465487	3.658301
C1	0.866850	20.372075	3.658301
C1	15.613008	20.372075	3.658301
C1	3.548480	13.401791	3.658301

C1	18.294638	13.401791	3.658301
C1	-9.101736	23.713486	3.658301
C1	5.644421	23.713486	3.658301
C1	20.390580	23.713486	3.658301
C1	-8.473441	22.629888	3.658301
C1	6.272717	22.629888	3.658301
C1	21.018876	22.629888	3.658301
C1	-7.801802	21.465436	3.658301
C1	6.944354	21.465436	3.658301
C1	21.690511	21.465436	3.658301
C1	-7.172682	20.371845	3.658301
C1	7.573475	20.371845	3.658301
C1	22.319634	20.371845	3.658301
C1	-1.728730	15.868754	3.658301
C1	13.017428	15.868754	3.658301
C1	27.763585	15.868754	3.658301
C1	-1.100979	16.952786	3.658301
C1	13.645179	16.952786	3.658301
C1	28.391337	16.952786	3.658301
C1	-0.429123	18.117444	3.658301
C1	14.317035	18.117444	3.658301
C1	29.063191	18.117444	3.658301
C1	0.199906	19.211201	3.658301
C1	14.946063	19.211201	3.658301
C1	-6.001006	13.402340	3.658301
C1	8.745150	13.402340	3.658301
C1	23.491308	13.402340	3.658301
C1	-7.253648	13.403591	3.658301
C1	7.492508	13.403591	3.658301
C1	22.238667	13.403591	3.658301
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C1	19.632668	13.403208	3.658301
C1	-3.874896	14.651343	3.658301
C1	10.871263	14.651343	3.658301
C1	25.617421	14.651343	3.658301
C1	-11.247374	24.931217	3.658301
C1	3.498782	24.931217	3.658301
C1	18.244941	24.931217	3.658301
C1	-4.595463	13.401625	3.658301
C1	10.150695	13.401625	3.658301
C1	24.896853	13.401625	3.658301
C1	-9.805459	24.931179	3.658301
C1	4.940698	24.931179	3.658301
C1	19.686857	24.931179	3.658301
C1	-2.432934	14.651305	3.658301
C1	12.313223	14.651305	3.658301
C1	27.059379	14.651305	3.658301
C1	2.286954	13.400728	3.658301
C1	17.033112	13.400728	3.658301
C1	21.835995	-24.923716	3.658301
C1	23.088103	-24.924097	3.658301
C1	20.431164	-24.923191	3.658301

## S.2. Cartesian coordinates of the new configuration (int structure) obtained from the MD analysis

C	-15.236831	-22.757506	-0.482757
C	-22.557851	-9.948914	-0.597412
C	-0.504269	-22.818753	0.147266
C	-7.825289	-10.010161	0.032612
C	-15.146310	2.798429	-0.082043
C	-15.861280	-21.671833	-0.492643

C	-23.182301	-8.863241	-0.607297
C	-1.128718	-21.733080	0.137381
C	-8.449739	-8.924488	0.022726
C	-15.770760	3.884104	-0.091929
C	12.936020	-20.627539	0.756920
C	5.614999	-7.818947	0.642265
C	-1.706020	4.989644	0.527611
C	-16.529109	-20.505044	-0.503127
C	-23.850129	-7.696452	-0.617781
C	-1.796547	-20.566291	0.126897
C	-9.117568	-7.757699	0.012242
C	-16.438587	5.050892	-0.102413
C	12.310619	-19.531869	0.747149
C	4.989598	-6.723278	0.632494
C	-2.331423	6.085315	0.517839
C	-17.154510	-19.409374	-0.512898
C	-24.475530	-6.600783	-0.627553
C	-2.421949	-19.470621	0.117125
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C	-22.574985	-14.883038	-0.674763
C	-7.842420	-14.944285	-0.044740
C	-15.163439	-2.135695	-0.159395
C	-22.484461	10.672898	-0.274049
C	6.890145	-15.005533	0.585284
C	-0.430875	-2.196942	0.470629
C	-7.751896	10.611651	0.355974
C	-23.206792	-15.963807	-0.718605
C	-8.474227	-16.025055	-0.088582
C	-15.795247	-3.216464	-0.203236
C	-23.116267	9.592130	-0.317891
C	6.258338	-16.086302	0.541442
C	-1.062682	-3.277711	0.426787
C	-8.383704	9.530883	0.312132
C	-23.882911	-17.125036	-0.765594
C	-9.150346	-17.186284	-0.135571
C	-16.471365	-4.377693	-0.250225
C	-23.792386	8.430901	-0.364880
C	5.582219	-17.247531	0.494453
C	-1.738801	-4.438940	0.379798
C	-9.059822	8.369654	0.265143
C	-24.515916	-18.215589	-0.809639
C	-9.783349	-18.276836	-0.179616
C	-17.104371	-5.468243	-0.294270
C	-24.425390	7.340348	-0.408925
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C	-10.977416	-25.242164	-0.338915
C	-18.298262	-12.433878	-0.453567
C	-25.619280	0.374711	-0.568221
C	3.755151	-25.303412	0.291109
C	-3.565695	-12.495125	0.176457
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C	-23.025219	0.362675	-0.457308
C	-15.613676	13.110020	0.058061
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C	-19.257377	-25.206566	-0.692981
C	-26.578398	-12.397974	-0.807635
C	-4.524814	-25.267813	-0.062957
C	-11.845834	-12.459222	-0.177612
C	-19.166854	0.349369	-0.292267
C	10.207753	-25.329061	0.567066
C	2.886732	-12.520469	0.452412
C	-4.434287	0.288122	0.337757
C	-20.517729	-25.202029	-0.746889
C	-5.785163	-25.263277	-0.116866
C	-13.106184	-12.454685	-0.231520
C	-20.427205	0.353908	-0.346175
C	8.947401	-25.324524	0.513158
C	1.626381	-12.515932	0.398503
C	-5.694640	0.292661	0.283848
C	-27.113935	-25.175080	-1.028977
C	-12.381369	-25.236327	-0.398953
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C	7.597965	-13.791204	0.634455
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C	14.203618	-25.346849	0.737927
C	6.882662	-12.538370	0.623274
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C1	23.267654	13.580111	5.332163
C1	-11.358693	25.261773	4.014627
C1	3.373799	25.196581	4.645968
C1	18.106292	25.131389	5.277309
C1	-4.032058	14.950473	4.180299
C1	10.700433	14.885280	4.811640
C1	25.432924	14.820088	5.442981
C1	0.678705	13.679172	4.364131
C1	15.411197	13.613980	4.995472
C1	20.064021	-24.727342	4.641982
C1	21.314968	-24.733259	4.695584
C1	18.660493	-24.720606	4.581843

### S.3. Cartesian coordinates of the final configuration obtained for the CO<sub>2</sub>/N<sub>2</sub> mixture with bilayer membrane

C	-15.376417	-22.092007	-0.020034
C	-22.692342	-9.280108	0.034523
C	-0.630416	-22.156988	-0.036981
C	-7.946341	-9.345089	0.017576
C	-15.262268	3.466809	0.072133
C	-16.000438	-21.006052	-0.015405
C	-23.316364	-8.194153	0.039152
C	-1.254436	-21.071033	-0.032352
C	-8.570363	-8.259134	0.022205
C	-15.886290	4.552765	0.076762
C	12.824204	-19.968924	-0.044328
C	5.508278	-7.157025	0.010229
C	-1.807648	5.654873	0.064786

C	-16.667803	-19.838962	-0.010434
C	-23.983729	-7.027063	0.044123
C	-1.921802	-19.903943	-0.027381
C	-9.237728	-7.092044	0.027176
C	-16.553654	5.719854	0.081733
C	12.199240	-18.872971	-0.039662
C	4.883313	-6.061073	0.014895
C	-2.432614	6.750827	0.069452
C	-17.292767	-18.743009	-0.005768
C	-24.608694	-5.931111	0.048789
C	-2.546767	-18.807990	-0.022715
C	-9.862693	-5.996092	0.031842
C	-17.178620	6.815808	0.086399
C	-22.714038	-14.214788	0.016728
C	-7.968033	-14.279769	-0.000219
C	-15.283959	-1.467871	0.054338
C	-22.599887	11.344029	0.108895
C	6.777971	-14.344750	-0.017166
C	-0.537955	-1.532852	0.037391
C	-7.853883	11.279048	0.091948
C	-23.347419	-15.295520	0.013543
C	-8.601415	-15.360501	-0.003404
C	-15.917341	-2.548603	0.051153
C	-23.233267	10.263298	0.105710
C	6.144589	-15.425483	-0.020351
C	-1.171337	-2.613584	0.034206
C	-8.487264	10.198317	0.088763
C	-24.025228	-16.456710	0.010118
C	-9.279223	-16.521691	-0.006829
C	-16.595149	-3.709793	0.047728
C	-23.911075	9.102108	0.102285
C	5.466781	-16.586672	-0.023776
C	-1.849145	-3.774774	0.030781
C	-9.165072	9.037127	0.085338
C	-24.659817	-17.547226	0.006899
C	-9.913811	-17.612207	-0.010048
C	-17.229738	-4.800307	0.044510
C	-24.545664	8.011591	0.099067
C	4.832192	-17.677188	-0.026994
C	-2.483734	-4.865288	0.027563
C	-9.799660	7.946610	0.082120
C	-25.861393	-24.513044	-0.016893
C	-11.115389	-24.578025	-0.033840
C	-18.431141	-11.766431	0.020715
C	-25.747065	1.045465	0.075272
C	3.630618	-24.643006	-0.050787
C	-3.685134	-11.831413	0.003768
C	-11.001059	0.980483	0.058326
C	-17.178376	-11.773140	0.019271
C	-24.494300	1.038756	0.073828
C	-2.432372	-11.838121	0.002324
C	-9.748296	0.973775	0.056881
C	-15.834714	-11.779125	0.017727
C	-23.150639	1.032771	0.072284
C	-15.720562	13.779690	0.109894
C	-1.088710	-11.844106	0.000780
C	-8.404635	0.967790	0.055337
C	-14.572340	-11.783961	0.016279
C	-21.888264	1.027934	0.070836
C	-14.458187	13.774854	0.108446
C	0.173664	-11.848942	-0.000668
C	-7.142260	0.962953	0.053889
C	-19.864639	-14.227600	0.013452
C	-27.180566	-1.415702	0.068010
C	-5.118636	-14.292581	-0.003494

C	-12.434562	-1.480683	0.051063
C	-19.750489	11.331217	0.105620
C	-19.242600	-15.314593	0.008822
C	-26.558527	-2.502693	0.063379
C	-4.496596	-15.379574	-0.008125
C	-11.812524	-2.567674	0.046432
C	-19.128449	10.244224	0.100989
C	-18.575831	-16.481388	0.003853
C	-25.891757	-3.669488	0.058410
C	-3.829826	-16.546369	-0.013094
C	-11.145753	-3.734469	0.041463
C	-18.461680	9.077429	0.096020
C	-17.952861	-17.578201	-0.000814
C	-25.268787	-4.766301	0.053743
C	-3.206856	-17.643182	-0.017761
C	-10.522783	-4.831282	0.036796
C	-17.838709	7.980616	0.091353
C	-27.273861	-22.038862	-0.006358
C	-12.527856	-22.103843	-0.023305
C	-19.843783	-9.291945	0.031252
C	-27.159709	3.519956	0.085809
C	2.218149	-22.168825	-0.040252
C	-5.097778	-9.356927	0.014305
C	-12.413704	3.454974	0.068862
C	-26.643269	-20.956572	-0.003164
C	-11.897264	-21.021553	-0.020111
C	-19.213190	-8.209654	0.034446
C	-26.529116	4.602244	0.089003
C	2.848741	-21.086534	-0.037058
C	-4.467185	-8.274635	0.017499
C	-11.783111	4.537263	0.072056
C	-25.965955	-19.795598	0.000261
C	-11.219950	-19.860579	-0.016686
C	-18.535875	-7.048681	0.037871
C	-25.851802	5.763219	0.092428
C	3.526054	-19.925560	-0.033633
C	-3.789872	-7.113662	0.020924
C	-11.105799	5.698238	0.075481
C	-25.332249	-18.704950	0.003481
C	-10.586245	-18.769931	-0.013466
C	-17.902172	-5.958032	0.041091
C	-25.218099	6.853867	0.095648
C	4.159760	-18.834912	-0.030413
C	-3.156167	-6.023013	0.024144
C	-10.472094	6.788886	0.078701
C	-16.807862	-24.552940	-0.027298
C	-24.123971	-11.740721	0.027260
C	-2.061858	-24.617921	-0.044245
C	-9.377968	-11.805702	0.010313
C	-16.693893	1.006196	0.064870
C	12.684148	-24.682902	-0.061192
C	5.368038	-11.870683	-0.006634
C	-1.947887	0.941215	0.047923
C	-18.060139	-24.546207	-0.025855
C	-25.376065	-11.734308	0.028702
C	-3.314135	-24.611188	-0.042802
C	-10.630062	-11.799289	0.011755
C	-17.945988	1.012610	0.066313
C	11.431871	-24.676170	-0.059749
C	4.115944	-11.864271	-0.005191
C	-3.199982	0.947629	0.049366
C	-19.402902	-24.540328	-0.024312
C	-26.718829	-11.728429	0.030246
C	-4.656899	-24.605309	-0.041258
C	-11.972826	-11.793410	0.013299

C	-19.288752	1.018488	0.067856
C	10.089107	-24.670290	-0.058205
C	2.773180	-11.858391	-0.003648
C	-4.542746	0.953507	0.050909
C	-20.664404	-24.535472	-0.022864
C	-5.918399	-24.600453	-0.039811
C	-13.234326	-11.788554	0.014746
C	-20.550253	1.023346	0.069303
C	8.827605	-24.665434	-0.056758
C	1.511678	-11.853535	-0.002201
C	-5.804249	0.958365	0.052356
C	-27.266628	-24.506851	-0.015278
C	-12.520623	-24.571832	-0.032225
C	-19.836490	-11.760037	0.022331
C	-27.152418	1.051864	0.076888
C	2.225382	-24.636813	-0.049172
C	-5.090485	-11.825019	0.005384
C	-12.406413	0.986882	0.059941
C	-14.677736	-23.312706	-0.025234
C	-21.993662	-10.500806	0.029323
C	0.068268	-23.377687	-0.042181
C	-7.247657	-10.565788	0.012376
C	-14.563584	2.246110	0.066933
C	-22.004450	-13.000500	0.020309
C	-7.258446	-13.065481	0.003362
C	-14.574372	-0.253581	0.057919
C	-21.890298	12.558317	0.112476
C	7.487558	-13.130462	-0.013585
C	0.171631	-0.318562	0.040972
C	-7.144294	12.493336	0.095529
C	-15.403394	-24.559129	-0.028912
C	-22.719255	-11.747343	0.025644
C	-0.657390	-24.624110	-0.045859
C	-7.973252	-11.812324	0.008697
C	-15.289177	0.999572	0.063254
C	14.088616	-24.689091	-0.062806
C	6.772754	-11.877305	-0.008250
C	-0.543171	0.934591	0.046307
C	-20.562459	-13.006662	0.018652
C	-5.816455	-13.071643	0.001705
C	-13.132382	-0.259743	0.056262
C	-20.448307	12.552155	0.110819
C	-13.235819	-23.318869	-0.026890
C	-20.551745	-10.506969	0.027667
C	1.510186	-23.383850	-0.043837
C	-5.805740	-10.571950	0.010720
C	-13.121667	2.239948	0.065277
C	-24.608454	-24.520060	-0.018339
C	-9.862449	-24.585041	-0.035286
C	4.883556	-24.650022	-0.052233
C	-22.591666	16.271149	0.126678
C	-23.215687	17.357103	0.131307
C	-9.137046	18.459212	0.119331
C	-23.883052	18.524194	0.136278
C	-9.762011	19.555165	0.123997
C	-24.508018	19.620146	0.140944
C	-15.183280	24.083386	0.146493
C	-15.816661	23.002654	0.143308
C	-16.494469	21.841464	0.139883
C	-17.129058	20.750948	0.136665
C	-18.330633	13.785131	0.112872
C	-27.079887	24.135555	0.160165
C	-26.457846	23.048562	0.155534
C	-25.791077	21.881767	0.150565
C	-25.168106	20.784955	0.145898

C	-19.743102	16.259312	0.123407
C	-19.112509	17.341603	0.126601
C	-18.435196	18.502577	0.130026
C	-17.801491	19.593224	0.133246
C	-24.023109	13.810216	0.119414
C	-9.277103	13.745234	0.102467
C	-25.275385	13.816948	0.120858
C	-10.529379	13.751967	0.103911
C	-26.618150	13.822827	0.122401
C	-11.872144	13.757846	0.105454
C	-13.133646	13.762702	0.106901
C	-19.735868	13.791323	0.114487
C	-21.892982	15.050450	0.121478
C	-14.473692	25.297674	0.150074
C	-22.618640	13.804027	0.117800
C	-7.872634	13.739045	0.100853
C	-20.451064	15.044287	0.119822
C	-17.077694	13.778114	0.111426
C	-23.251323	-24.519247	-0.019874
C	-8.505318	-24.584228	-0.036821
C	6.240685	-24.649210	-0.053768
C	-21.988950	-24.524083	-0.021322
C	-7.242945	-24.589064	-0.038269
C	7.503060	-24.654045	-0.055216
C	14.138218	-22.222069	-0.053954
C	6.822292	-9.410170	0.000603
C	-0.493634	3.401728	0.055160
C	28.884224	-22.287050	-0.070901
C	21.568299	-9.475151	-0.016344
C	14.252373	3.336747	0.038213
C	28.998373	3.271766	0.021266
C	28.260203	-21.201095	-0.066272
C	20.944277	-8.389196	-0.011715
C	13.628350	4.422703	0.042842
C	28.374351	4.357721	0.025895
C	27.592838	-20.034005	-0.061301
C	20.276912	-7.222106	-0.006744
C	12.960986	5.589792	0.047813
C	27.706987	5.524811	0.030866
C	26.967874	-18.938052	-0.056635
C	19.651947	-6.126154	-0.002078
C	12.336020	6.685746	0.052479
C	27.082021	6.620765	0.035532
C	21.546603	-14.409831	-0.034139
C	14.230677	-1.597933	0.020418
C	6.914750	11.213967	0.074975
C	28.976682	-1.662914	0.003471
C	21.660754	11.148986	0.058028
C	20.913222	-15.490563	-0.037324
C	13.597296	-2.678665	0.017233
C	6.281369	10.133236	0.071790
C	28.343300	-2.743646	0.000286
C	21.027374	10.068255	0.054843
C	20.235413	-16.651753	-0.040749
C	12.919487	-3.839855	0.013808
C	5.603560	8.972046	0.068365
C	27.665492	-3.904836	-0.003139
C	20.349566	8.907065	0.051418
C	19.600824	-17.742269	-0.043967
C	12.284897	-4.930369	0.010590
C	4.968972	7.881529	0.065147
C	27.030903	-4.995350	-0.006357
C	19.714977	7.816548	0.048200
C	18.399248	-24.708087	-0.067760
C	11.083496	-11.896493	-0.013204

C	3.767572	0.915403	0.041353
C	25.829501	-11.961475	-0.030151
C	18.513576	0.850422	0.024406
C	12.336260	-11.903202	-0.014649
C	5.020336	0.908694	0.039908
C	27.082265	-11.968183	-0.031595
C	19.766341	0.843713	0.022962
C	-0.951929	13.714609	0.092921
C	13.679923	-11.909187	-0.016193
C	6.363998	0.902709	0.038364
C	13.794076	13.649628	0.075974
C	28.425927	-11.974168	-0.033140
C	21.110002	0.837728	0.021417
C	28.540079	13.584647	0.059027
C	0.310444	13.709773	0.091473
C	14.942296	-11.914023	-0.017641
C	7.626371	0.897872	0.036916
C	15.056449	13.644792	0.074526
C	-29.326499	-11.979004	-0.034588
C	22.372377	0.832891	0.019969
C	-29.212346	13.579811	0.057579
C	9.649997	-14.357662	-0.020467
C	2.334071	-1.545764	0.034090
C	-4.981857	11.266136	0.088647
C	24.396002	-14.422643	-0.037414
C	17.080075	-1.610745	0.017143
C	9.764149	11.201155	0.071700
C	24.510152	11.136174	0.054753
C	10.272037	-15.444655	-0.025098
C	2.956109	-2.632755	0.029459
C	-4.359816	10.179143	0.084016
C	25.018041	-15.509636	-0.042045
C	17.702114	-2.697736	0.012512
C	10.386189	10.114162	0.067069
C	25.132192	10.049181	0.050122
C	10.938806	-16.611450	-0.030067
C	3.622880	-3.799550	0.024490
C	-3.693046	9.012348	0.079047
C	25.684810	-16.676431	-0.047014
C	18.368884	-3.864531	0.007543
C	11.052958	8.947367	0.062100
C	25.798961	8.882386	0.045153
C	11.561348	-17.708261	-0.034733
C	4.245422	-4.896361	0.019824
C	-3.070504	7.915537	0.074381
C	26.307780	-17.773244	-0.051681
C	18.991854	-4.961344	0.002876
C	11.675927	7.850554	0.057433
C	26.421932	7.785573	0.040486
C	16.986780	-22.233905	-0.057225
C	9.670854	-9.422007	-0.002668
C	2.354926	3.389894	0.051889
C	24.416858	-9.486989	-0.019615
C	17.100932	3.324913	0.034942
C	17.617372	-21.151615	-0.054031
C	10.301447	-8.339716	0.000526
C	2.985520	4.472182	0.055083
C	25.047451	-8.404697	-0.016421
C	17.731525	4.407201	0.038136
C	18.294686	-19.990641	-0.050606
C	10.978761	-7.178743	0.003951
C	3.662834	5.633157	0.058508
C	25.724766	-7.243724	-0.012996
C	18.408839	5.568176	0.041561
C	18.928392	-18.899993	-0.047386

C	11.612465	-6.088094	0.007171
C	4.296538	6.723805	0.061728
C	26.358469	-6.153075	-0.009776
C	19.042542	6.658824	0.044781
C	27.452779	-24.747983	-0.078165
C	20.136670	-11.935764	-0.023607
C	12.820744	0.876134	0.030950
C	27.566748	0.811153	0.014003
C	26.200502	-24.741250	-0.076721
C	18.884576	-11.929351	-0.022164
C	11.568650	0.882548	0.032393
C	26.314653	0.817567	0.015446
C	24.857739	-24.735371	-0.075178
C	17.541812	-11.923472	-0.020621
C	10.225885	0.888426	0.033936
C	24.971889	0.823445	0.016989
C	23.596237	-24.730515	-0.073731
C	16.280310	-11.918616	-0.019174
C	8.964383	0.893284	0.035383
C	-27.988485	-11.983597	-0.036121
C	23.710388	0.828303	0.018436
C	16.994013	-24.701894	-0.066145
C	9.678146	-11.890099	-0.011589
C	2.362219	0.921802	0.042968
C	24.424151	-11.955081	-0.028536
C	17.108223	0.856820	0.026021
C	14.836901	-23.442767	-0.059154
C	7.520975	-10.630868	-0.004597
C	0.205049	2.181030	0.049960
C	-29.431895	-23.507749	-0.076101
C	22.266979	-10.695850	-0.021544
C	14.951053	2.116048	0.033013
C	-29.317743	2.051067	0.016067
C	22.256191	-13.195543	-0.030558
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