

Conjugate Acene Fused Buckybowls: Evaluating Their Suitability for p-type, Ambipolar and n-type Air Stable Organic Semiconductors

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Supporting information
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Table S1: The optimized cartesian coordinates of acene fused bowls at B3LYP/6-31G level of theory.

Table S1: The optimized cartesian coordinates of acene fused bowls at B3LYP/6-31G level of theory.

| Cor-A1-Cor | | | | | Sum-A1-Cor | | | | |
|-------------------|---|-----------|-----------|-----------|-------------------|---|-----------|-----------|-----------|
| 6 | 0 | -6.438473 | -0.486719 | -0.128168 | 6 | 0 | 0.600892 | -0.115598 | -0.822730 |
| 6 | 0 | -6.086058 | 0.854973 | -0.432821 | 6 | 0 | -0.600757 | 0.112257 | -0.822474 |
| 6 | 0 | -4.742799 | 0.861902 | -0.889431 | | | | | |
| 6 | 0 | -4.262187 | -0.474448 | -0.867178 | 6 | 0 | -5.485439 | -1.320988 | -0.345454 |
| 6 | 0 | -5.312060 | -1.308546 | -0.397052 | 6 | 0 | -6.595959 | -0.497992 | -0.019743 |
| 6 | 0 | -7.413694 | -0.819724 | 0.800982 | 6 | 0 | -6.260819 | 0.842310 | -0.349199 |
| 6 | 0 | -6.684793 | 1.951050 | 0.172694 | 6 | 0 | -4.944448 | 0.847071 | -0.878388 |
| 6 | 0 | -3.907857 | 1.964349 | -0.770332 | 6 | 0 | -4.462774 | -0.489003 | -0.875680 |
| 6 | 0 | -2.924422 | -0.802670 | -0.730348 | 6 | 0 | -5.227364 | -2.528062 | 0.288315 |
| 6 | 0 | -5.088605 | -2.518631 | 0.243993 | 6 | 0 | -7.519279 | -0.826712 | 0.962466 |
| 6 | 0 | -8.191121 | 0.308522 | 1.280815 | 6 | 0 | -6.826322 | 1.941060 | 0.282863 |
| 6 | 0 | -7.844240 | 1.625955 | 0.982417 | 6 | 0 | -4.104083 | 1.949597 | -0.808845 |
| 6 | 0 | -5.899508 | 3.171090 | 0.108603 | 6 | 0 | -3.119296 | -0.816264 | -0.808819 |
| 6 | 0 | -4.580319 | 3.178706 | -0.340133 | 6 | 0 | -6.294244 | -2.984408 | 1.161087 |
| 6 | 0 | -2.004983 | 0.338219 | -0.831084 | 6 | 0 | -7.383247 | -2.175503 | 1.482032 |
| 6 | 0 | -2.499384 | 1.660414 | -0.845131 | 6 | 0 | -8.269905 | 0.303598 | 1.478507 |
| 6 | 0 | -2.678692 | -2.148841 | -0.255134 | 6 | 0 | -7.939940 | 1.619642 | 1.155699 |
| 6 | 0 | -3.709056 | -2.966617 | 0.207733 | 6 | 0 | -6.045722 | 3.160587 | 0.171101 |
| 6 | 0 | -6.201264 | -2.978799 | 1.055363 | 6 | 0 | -4.752694 | 3.165771 | -0.348144 |
| 6 | 0 | -7.306028 | -2.171040 | 1.320623 | 6 | 0 | -2.848011 | -2.160182 | -0.341317 |
| 1 | 0 | -9.016909 | 0.133112 | 1.964944 | 6 | 0 | -3.851600 | -2.976112 | 0.179988 |
| 1 | 0 | -8.412154 | 2.428313 | 1.445439 | 1 | 0 | -6.204069 | -3.949896 | 1.651469 |
| 1 | 0 | -6.317663 | 4.093955 | 0.501279 | 1 | 0 | -8.102018 | -2.539891 | 2.211081 |
| 1 | 0 | -4.017642 | 4.106250 | -0.281633 | 1 | 0 | -9.057213 | 0.131203 | 2.207258 |
| 1 | 0 | -1.654793 | -2.499771 | -0.173737 | 1 | 0 | -8.482031 | 2.424170 | 1.645173 |
| 1 | 0 | -3.450787 | -3.932035 | 0.634188 | 1 | 0 | -6.442032 | 4.085287 | 0.581763 |
| 1 | 0 | -6.137897 | -3.946600 | 1.545280 | 1 | 0 | -4.187686 | 4.093368 | -0.323569 |
| 1 | 0 | -8.063191 | -2.538724 | 2.007837 | 1 | 0 | -1.820888 | -2.510195 | -0.313663 |
| 6 | 0 | 2.005282 | -0.340577 | -0.831210 | 1 | 0 | -3.570528 | -3.939500 | 0.596488 |
| 6 | 0 | 2.500629 | -1.662430 | -0.844786 | 1 | 0 | 8.184729 | -1.962216 | 2.374865 |
| 6 | 0 | 2.923894 | 0.800993 | -0.730682 | 6 | 0 | 7.565750 | -1.719145 | 1.515635 |
| 6 | 0 | 3.909310 | -1.965352 | -0.769792 | 6 | 0 | 6.760914 | -2.770289 | 0.958767 |
| 6 | 0 | 4.261901 | 0.473672 | -0.867296 | 6 | 0 | 7.436383 | -0.393470 | 1.073899 |
| 6 | 0 | 2.677191 | 2.147136 | -0.255871 | 6 | 0 | 5.818510 | -2.507161 | -0.046456 |
| 6 | 0 | 4.743465 | -0.862340 | -0.889139 | 1 | 0 | 6.816854 | -3.748453 | 1.428323 |
| 6 | 0 | 4.582624 | -3.179107 | -0.339223 | 6 | 0 | 7.711070 | 1.006842 | 1.709372 |
| 6 | 0 | 5.311150 | 1.308643 | -0.397333 | 6 | 0 | 6.584445 | -0.183954 | -0.021665 |
| 6 | 0 | 3.706945 | 2.965766 | 0.206840 | 6 | 0 | 4.497340 | -3.193397 | -0.519146 |
| 1 | 0 | 1.653042 | 2.497377 | -0.174658 | 6 | 0 | 5.806746 | -1.200207 | -0.560535 |
| 6 | 0 | 6.086697 | -0.854324 | -0.432470 | 6 | 0 | 6.642456 | 1.911358 | 1.016780 |
| 6 | 0 | 5.901796 | -3.170430 | 0.109543 | 1 | 0 | 8.735462 | 1.354579 | 1.515152 |
| 1 | 0 | 4.020612 | -4.107039 | -0.280501 | 1 | 0 | 7.578976 | 0.988226 | 2.796930 |
| 6 | 0 | 6.438135 | 0.487699 | -0.128165 | 6 | 0 | 6.116315 | 1.173108 | -0.055158 |
| 6 | 0 | 5.086809 | 2.518760 | 0.243339 | 6 | 0 | 3.657890 | -1.986375 | -1.046957 |
| 1 | 0 | 3.447968 | 3.931130 | 0.632988 | 1 | 0 | 4.678661 | -3.942595 | -1.302550 |
| 6 | 0 | 6.686206 | -1.949809 | 0.173347 | 1 | 0 | 3.990841 | -3.706355 | 0.305930 |
| 1 | 0 | 6.320599 | -4.092892 | 0.502474 | 6 | 0 | 4.536068 | -0.893730 | -1.149811 |
| 6 | 0 | 7.413090 | 0.821665 | 0.800919 | 6 | 0 | 5.921432 | 3.053520 | 1.397221 |
| 6 | 0 | 6.199101 | 2.979947 | 1.054630 | 6 | 0 | 4.886532 | 1.469551 | -0.625892 |
| 6 | 0 | 7.845401 | -1.623658 | 0.983006 | 6 | 0 | 4.081691 | 0.417272 | -1.182919 |
| 6 | 0 | 7.304431 | 2.173052 | 1.320171 | 6 | 0 | 4.648819 | 3.359480 | 0.807235 |
| 6 | 0 | 8.191319 | -0.305893 | 1.281070 | 1 | 0 | 6.246527 | 3.664327 | 2.234955 |
| 1 | 0 | 6.135036 | 3.947848 | 1.544259 | 6 | 0 | 4.082927 | 2.525951 | -0.169731 |
| 1 | 0 | 8.413885 | -2.425477 | 1.446263 | 6 | 0 | 2.723390 | 0.746001 | -1.119871 |
| 1 | 0 | 8.061305 | 2.541485 | 2.007302 | 1 | 0 | 4.083107 | 4.183945 | 1.232218 |
| 1 | 0 | 9.016961 | -0.129711 | 1.965177 | 6 | 0 | 2.626447 | 2.226403 | -0.645931 |
| 1 | 0 | 1.774480 | -2.469469 | -0.827544 | 1 | 0 | 2.303983 | 2.898946 | -1.453047 |
| 1 | 0 | -1.772672 | 2.466950 | -0.828018 | 1 | 0 | 1.900656 | 2.334673 | 0.167904 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -2.206155 | 0.323476 | -0.963373 |
| 6 | 0 | -2.701523 | 1.645450 | -0.957385 |
| 6 | 0 | 1.804633 | -0.332320 | -1.157787 |
| 6 | 0 | 2.293050 | -1.700587 | -1.119634 |
| 6 | 0 | 0.401645 | -0.102498 | -1.089841 |
| 6 | 0 | -0.802927 | 0.098690 | -1.025326 |
| 1 | 0 | 1.545380 | -2.481714 | -1.023585 |
| 1 | 0 | -1.974925 | 2.451828 | -0.980866 |

Sum-A1-Sum

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -7.501751 | 1.813686 | 1.506856 |
| 6 | 0 | -5.164870 | -3.259116 | 0.192567 |
| 6 | 0 | -2.380471 | 1.592922 | -1.064627 |
| 1 | 0 | -7.332283 | 1.994122 | 2.574255 |
| 1 | 0 | -8.455973 | 2.293072 | 1.246723 |
| 1 | 0 | -4.722766 | -3.673113 | 1.105439 |
| 1 | 0 | -5.504819 | -4.108894 | -0.415760 |
| 1 | 0 | -1.614960 | 1.732193 | -0.292655 |
| 1 | 0 | -1.977733 | 2.018644 | -1.994379 |
| 6 | 0 | -6.671679 | 0.112331 | 0.057849 |
| 6 | 0 | -6.106088 | -1.115067 | -0.260258 |
| 6 | 0 | -4.735560 | 1.275138 | -0.881634 |
| 6 | 0 | -5.974396 | 1.327157 | -0.258214 |
| 6 | 0 | -4.150469 | 0.004261 | -1.210768 |
| 6 | 0 | -4.826383 | -1.168853 | -0.905219 |
| 6 | 0 | -7.502576 | 0.287274 | 1.175602 |
| 6 | 0 | -6.325961 | -2.265576 | 0.514554 |
| 6 | 0 | -3.741558 | 2.240258 | -0.656431 |
| 6 | 0 | -6.319263 | 2.350478 | 0.638812 |
| 6 | 0 | -2.753999 | 0.089133 | -1.220922 |
| 6 | 0 | -4.149303 | -2.356490 | -0.578247 |
| 6 | 0 | -7.844840 | -0.875154 | 1.883378 |
| 6 | 0 | -7.259209 | -2.144698 | 1.554930 |
| 6 | 0 | -4.112739 | 3.342898 | 0.128162 |
| 6 | 0 | -5.394694 | 3.397520 | 0.772273 |
| 6 | 0 | -2.040048 | -1.120409 | -1.033655 |
| 6 | 0 | -2.759232 | -2.341003 | -0.709413 |
| 1 | 0 | -8.462152 | -0.822724 | 2.775966 |
| 1 | 0 | -3.394591 | 4.121074 | 0.371473 |
| 1 | 0 | -5.574006 | 4.214254 | 1.466061 |
| 1 | 0 | -7.466510 | -2.980298 | 2.217688 |
| 1 | 0 | 3.481368 | 4.143448 | 0.039001 |
| 6 | 0 | 4.184956 | 3.334055 | -0.135196 |
| 6 | 0 | 3.799011 | 2.183842 | -0.840310 |
| 6 | 0 | 5.459868 | 3.409855 | 0.520859 |
| 6 | 0 | 2.429394 | 1.536696 | -1.219116 |
| 6 | 0 | 4.774166 | 1.183949 | -0.978850 |
| 6 | 0 | 6.362741 | 2.336435 | 0.478946 |
| 1 | 0 | 5.648416 | 4.272453 | 1.154012 |
| 1 | 0 | 1.657697 | 1.748777 | -0.470286 |
| 1 | 0 | 2.047299 | 1.900742 | -2.183166 |
| 6 | 0 | 2.771912 | 0.017833 | -1.259271 |
| 6 | 0 | 4.165809 | -0.095127 | -1.221885 |
| 6 | 0 | 6.006038 | 1.256423 | -0.343997 |
| 6 | 0 | 7.521797 | 1.840715 | 1.401340 |
| 6 | 0 | 2.717954 | -2.368675 | -0.574427 |
| 6 | 0 | 4.812230 | -1.256284 | -0.821681 |
| 6 | 0 | 6.672181 | 0.054167 | 0.071281 |
| 1 | 0 | 7.342914 | 2.103999 | 2.449787 |
| 1 | 0 | 8.489812 | 2.278585 | 1.120033 |
| 6 | 0 | 7.492397 | 0.294149 | 1.184616 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 2.029645 | -1.160532 | -0.997731 |
| 6 | 0 | 6.084098 | -1.181378 | -0.163591 |
| 6 | 0 | 4.105302 | -2.402575 | -0.419268 |
| 6 | 0 | 7.799670 | -0.819360 | 1.981400 |
| 6 | 0 | 6.268438 | -2.275577 | 0.697152 |
| 6 | 0 | 5.090411 | -3.266176 | 0.431785 |
| 6 | 0 | 7.190521 | -2.097188 | 1.739302 |
| 1 | 0 | 8.406596 | -0.713820 | 2.876407 |
| 1 | 0 | 4.626846 | -3.601904 | 1.366004 |
| 1 | 0 | 5.420146 | -4.165764 | -0.106552 |
| 1 | 0 | 7.370961 | -2.885282 | 2.465029 |
| 1 | 0 | 2.092863 | -3.199540 | -0.262421 |
| 1 | 0 | -2.156341 | -3.205552 | -0.449567 |
| 6 | 0 | 0.606090 | -1.150366 | -1.003943 |
| 6 | 0 | -0.616669 | -1.138983 | -1.015191 |

Cor-A2-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 7.547524 | 0.782011 | -0.142853 |
| 6 | 0 | 7.440875 | -0.612007 | -0.394238 |
| 6 | 0 | 6.113367 | -0.880104 | -0.816839 |
| 6 | 0 | 5.397050 | 0.346819 | -0.827591 |
| 6 | 0 | 6.284931 | 1.374902 | -0.410938 |
| 6 | 0 | 8.461318 | 1.320628 | 0.751850 |
| 6 | 0 | 8.240262 | -1.557929 | 0.233114 |
| 6 | 0 | 5.497381 | -2.111943 | -0.641774 |
| 6 | 0 | 4.024715 | 0.430983 | -0.668602 |
| 6 | 0 | 5.855161 | 2.546177 | 0.196897 |
| 6 | 0 | 9.440054 | 0.370929 | 1.250338 |
| 6 | 0 | 9.334550 | -0.997857 | 1.004068 |
| 6 | 0 | 7.690872 | -2.902546 | 0.228520 |
| 6 | 0 | 6.387943 | -3.167287 | -0.188067 |
| 6 | 0 | 3.329469 | -0.862585 | -0.708377 |
| 6 | 0 | 4.056569 | -2.073769 | -0.691114 |
| 6 | 0 | 3.544356 | 1.726192 | -0.231236 |
| 6 | 0 | 4.416389 | 2.733755 | 0.180150 |
| 6 | 0 | 6.879059 | 3.230618 | 0.965960 |
| 6 | 0 | 8.117656 | 2.647764 | 1.230217 |
| 1 | 0 | 10.231418 | 0.718851 | 1.908812 |
| 1 | 0 | 10.047134 | -1.666379 | 1.479804 |
| 1 | 0 | 8.277731 | -3.718442 | 0.641921 |
| 1 | 0 | 6.005178 | -4.178954 | -0.085611 |
| 1 | 0 | 2.475187 | 1.887985 | -0.136718 |
| 1 | 0 | 3.993562 | 3.650710 | 0.581747 |
| 1 | 0 | 6.648071 | 4.187717 | 1.425977 |
| 1 | 0 | 8.807027 | 3.171806 | 1.886805 |
| 6 | 0 | -9.398140 | 0.582471 | 1.242740 |
| 6 | 0 | -9.231742 | -0.785611 | 1.456705 |
| 6 | 0 | -8.492153 | 1.346265 | 0.404065 |
| 6 | 0 | -8.143514 | -1.531596 | 0.852700 |
| 6 | 0 | -7.588751 | 0.573688 | -0.311615 |
| 6 | 0 | -8.199467 | 2.768054 | 0.395423 |
| 6 | 0 | -7.420601 | -0.819829 | -0.094836 |
| 6 | 0 | -7.526404 | -2.782574 | 1.259381 |
| 6 | 0 | -6.370768 | 1.088019 | -0.830074 |
| 6 | 0 | -7.004632 | 3.273229 | -0.114814 |
| 1 | 0 | -8.888155 | 3.455574 | 0.877644 |
| 6 | 0 | -6.099804 | -1.166402 | -0.479565 |
| 6 | 0 | -6.230129 | -3.125458 | 0.880217 |
| 1 | 0 | -8.053056 | -3.435686 | 1.950027 |
| 6 | 0 | -5.448511 | 0.012185 | -0.932791 |
| 6 | 0 | -5.978431 | 2.409102 | -0.668676 |

| | | | | |
|---|---|------------|-----------|-----------|
| 1 | 0 | -6.805974 | 4.336246 | -0.012222 |
| 6 | 0 | -5.414444 | -2.248884 | 0.056099 |
| 1 | 0 | -5.791886 | -4.032922 | 1.287601 |
| 6 | 0 | -4.077324 | 0.193110 | -0.885064 |
| 6 | 0 | -4.553397 | 2.631604 | -0.825734 |
| 6 | 0 | -3.980851 | -2.178177 | -0.081877 |
| 6 | 0 | -3.647694 | 1.576407 | -0.927685 |
| 6 | 0 | -3.318315 | -1.015299 | -0.535014 |
| 1 | 0 | -4.163215 | 3.644499 | -0.775255 |
| 1 | 0 | -3.364493 | -3.007826 | 0.251586 |
| 1 | 0 | -2.585562 | 1.798434 | -0.952519 |
| 1 | 0 | -9.888068 | -1.282176 | 2.166226 |
| 1 | 0 | 3.489289 | -2.997381 | -0.627901 |
| 6 | 0 | 0.683791 | -0.915827 | -0.630958 |
| 6 | 0 | 1.910508 | -0.900336 | -0.669526 |
| 6 | 0 | -1.898857 | -0.987607 | -0.562038 |
| 6 | 0 | -0.672542 | -0.946805 | -0.593466 |
| 1 | 0 | -10.178161 | 1.101088 | 1.793582 |

Sum-A2-Cor

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -6.839379 | -1.202790 | -0.488840 |
| 6 | 0 | -7.969703 | -0.401977 | -0.177309 |
| 6 | 0 | -7.589351 | 0.962853 | -0.294973 |
| 6 | 0 | -6.229429 | 1.008435 | -0.700019 |
| 6 | 0 | -5.757814 | -0.337731 | -0.800605 |
| 6 | 0 | -6.667769 | -2.488943 | 0.006312 |
| 6 | 0 | -9.001108 | -0.834592 | 0.643406 |
| 6 | 0 | -8.212236 | 1.980477 | 0.418727 |
| 6 | 0 | -5.393896 | 2.089217 | -0.374994 |
| 6 | 0 | -4.437292 | -0.713365 | -0.618080 |
| 6 | 0 | -7.831039 | -3.028675 | 0.686573 |
| 6 | 0 | -8.940782 | -2.242511 | 0.989823 |
| 6 | 0 | -9.794835 | 0.235701 | 1.219060 |
| 6 | 0 | -9.418094 | 1.574034 | 1.113482 |
| 6 | 0 | -7.417876 | 3.184797 | 0.570650 |
| 6 | 0 | -6.076354 | 3.232637 | 0.205309 |
| 6 | 0 | -4.229791 | -2.107052 | -0.299757 |
| 6 | 0 | -5.296696 | -2.956879 | -0.003513 |
| 1 | 0 | -7.805852 | -4.052080 | 1.050642 |
| 1 | 0 | -9.741643 | -2.680492 | 1.579136 |
| 1 | 0 | -10.660099 | -0.012046 | 1.827770 |
| 1 | 0 | -10.001644 | 2.320442 | 1.645117 |
| 1 | 0 | -7.850545 | 4.047783 | 1.068974 |
| 1 | 0 | -5.499951 | 4.125700 | 0.424316 |
| 1 | 0 | -3.215907 | -2.481934 | -0.202056 |
| 1 | 0 | -5.076344 | -3.971296 | 0.317135 |
| 1 | 0 | 9.565375 | -1.734908 | 2.524667 |
| 6 | 0 | 8.917482 | -1.598724 | 1.663317 |
| 6 | 0 | 8.069045 | -2.694356 | 1.290213 |
| 6 | 0 | 8.795294 | -0.345060 | 1.046120 |
| 6 | 0 | 7.096343 | -2.550864 | 0.290227 |
| 1 | 0 | 8.119238 | -3.597605 | 1.891631 |
| 6 | 0 | 9.122401 | 1.120261 | 1.473651 |
| 6 | 0 | 7.904494 | -0.266185 | -0.036340 |
| 6 | 0 | 5.749608 | -3.267158 | -0.019862 |
| 6 | 0 | 7.092173 | -1.331199 | -0.407512 |
| 6 | 0 | 8.042186 | 1.946575 | 0.707888 |
| 1 | 0 | 10.143654 | 1.413443 | 1.192616 |
| 1 | 0 | 9.037029 | 1.252164 | 2.557959 |
| 6 | 0 | 7.459883 | 1.084151 | -0.234840 |
| 6 | 0 | 4.914605 | -2.142237 | -0.709982 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | 5.872101 | -4.134031 | -0.683190 |
| 1 | 0 | 5.256424 | -3.622151 | 0.891245 |
| 6 | 0 | 5.811529 | -1.075580 | -1.003508 |
| 6 | 0 | 7.357746 | 3.144305 | 0.962459 |
| 6 | 0 | 6.212121 | 1.328943 | -0.791057 |
| 6 | 0 | 5.368577 | 0.231331 | -1.181761 |
| 6 | 0 | 6.066612 | 3.396632 | 0.389161 |
| 1 | 0 | 7.729020 | 3.853017 | 1.697422 |
| 6 | 0 | 5.447390 | 2.454526 | -0.445937 |
| 6 | 0 | 4.019008 | 0.603426 | -1.110340 |
| 1 | 0 | 5.532116 | 4.281750 | 0.722270 |
| 6 | 0 | 3.967308 | 2.132728 | -0.819097 |
| 1 | 0 | 3.619027 | 2.703709 | -1.690871 |
| 1 | 0 | 3.279766 | 2.357235 | 0.004032 |
| 6 | 0 | -3.498015 | 0.439430 | -0.563502 |
| 6 | 0 | -4.024704 | 1.709054 | -0.386626 |
| 6 | 0 | 3.076425 | -0.463961 | -0.998913 |
| 6 | 0 | 3.600680 | -1.778082 | -0.842824 |
| 6 | 0 | 1.671402 | -0.266766 | -0.921084 |
| 6 | 0 | 0.457659 | -0.101542 | -0.840005 |
| 6 | 0 | -0.882007 | 0.079197 | -0.748152 |
| 6 | 0 | -2.095427 | 0.246068 | -0.660081 |

Sum-A2-Sum

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -8.852826 | 1.981241 | 1.160430 |
| 6 | 0 | -6.255127 | -3.134775 | 1.043792 |
| 6 | 0 | -3.819912 | 1.381256 | -1.521339 |
| 1 | 0 | -8.656628 | 2.433664 | 2.138846 |
| 1 | 0 | -9.843830 | 2.329884 | 0.837393 |
| 1 | 0 | -5.757499 | -3.283992 | 2.008269 |
| 1 | 0 | -6.563910 | -4.125788 | 0.683033 |
| 1 | 0 | -3.038178 | 1.751409 | -0.848625 |
| 1 | 0 | -3.475864 | 1.575867 | -2.546697 |
| 6 | 0 | -7.969727 | 0.013597 | 0.144147 |
| 6 | 0 | -7.340716 | -1.224032 | 0.116541 |
| 6 | 0 | -6.143322 | 0.999087 | -1.150137 |
| 6 | 0 | -7.360949 | 1.143360 | -0.500097 |
| 6 | 0 | -5.492150 | -0.281836 | -1.177216 |
| 6 | 0 | -6.082493 | -1.372754 | -0.554343 |
| 6 | 0 | -8.770375 | 0.422746 | 1.222035 |
| 6 | 0 | -7.462257 | -2.151394 | 1.164490 |
| 6 | 0 | -5.203945 | 2.039448 | -1.223350 |
| 6 | 0 | -7.737599 | 2.341072 | 0.127872 |
| 6 | 0 | -4.105173 | -0.130005 | -1.276168 |
| 6 | 0 | -5.323689 | -2.405179 | 0.023835 |
| 6 | 0 | -9.014311 | -0.538606 | 2.214643 |
| 6 | 0 | -8.363893 | -1.818627 | 2.186224 |
| 6 | 0 | -5.616095 | 3.284233 | -0.723547 |
| 6 | 0 | -6.875901 | 3.433868 | -0.051335 |
| 6 | 0 | -3.313347 | -1.217954 | -0.830079 |
| 6 | 0 | -3.943289 | -2.354555 | -0.177309 |
| 1 | 0 | -9.601538 | -0.293516 | 3.095325 |
| 1 | 0 | -4.939958 | 4.134611 | -0.718951 |
| 1 | 0 | -7.081477 | 4.389249 | 0.423484 |
| 1 | 0 | -8.496315 | -2.468584 | 3.046674 |
| 1 | 0 | 4.611331 | 4.071981 | 1.038152 |
| 6 | 0 | 5.338312 | 3.355177 | 0.666580 |
| 6 | 0 | 4.966005 | 2.363547 | -0.253908 |
| 6 | 0 | 6.639420 | 3.353816 | 1.273521 |
| 6 | 0 | 3.607258 | 1.743149 | -0.708699 |
| 6 | 0 | 5.973859 | 1.466886 | -0.641720 |

| | | | | | | | | | |
|---|---|-----------|-----------|-----------|---|---|------------|-----------|-----------|
| 6 | 0 | 7.582828 | 2.361399 | 0.966796 | 6 | 0 | -10.698192 | 0.614403 | 1.247102 |
| 1 | 0 | 6.822801 | 4.069962 | 2.069757 | 6 | 0 | -10.561260 | -0.768189 | 1.367369 |
| 1 | 0 | 2.863504 | 1.752885 | 0.095864 | 6 | 0 | -9.760954 | 1.417484 | 0.482743 |
| 1 | 0 | 3.164655 | 2.282328 | -1.557835 | 6 | 0 | -9.473312 | -1.490446 | 0.734904 |
| 6 | 0 | 4.010632 | 0.286686 | -1.085607 | 6 | 0 | -8.857204 | 0.679567 | -0.268211 |
| 6 | 0 | 5.407833 | 0.238914 | -1.128565 | 6 | 0 | -9.442254 | 2.830367 | 0.580965 |
| 6 | 0 | 7.231123 | 1.464788 | -0.054468 | 6 | 0 | -8.718296 | -0.728476 | -0.146081 |
| 6 | 0 | 8.805465 | 1.740869 | 1.714632 | 6 | 0 | -8.887215 | -2.777598 | 1.065566 |
| 6 | 0 | 4.089928 | -2.193266 | -0.924288 | 6 | 0 | -7.619933 | 1.205338 | -0.726045 |
| 6 | 0 | 6.119862 | -0.946784 | -1.010152 | 6 | 0 | -8.228667 | 3.347034 | 0.129853 |
| 6 | 0 | 7.966514 | 0.237376 | 0.065702 | 1 | 0 | -10.127869 | 3.495793 | 1.098428 |
| 1 | 0 | 8.666649 | 1.763729 | 2.801260 | 6 | 0 | -7.395819 | -1.072278 | -0.527377 |
| 1 | 0 | 9.739193 | 2.278651 | 1.497850 | 6 | 0 | -7.589571 | -3.117558 | 0.689344 |
| 6 | 0 | 8.831500 | 0.276823 | 1.170346 | 1 | 0 | -9.439713 | -3.466727 | 1.698315 |
| 6 | 0 | 3.333156 | -0.958177 | -1.052408 | 6 | 0 | -6.714995 | 0.121799 | -0.885957 |
| 6 | 0 | 7.419496 | -0.948728 | -0.404875 | 6 | 0 | -7.207188 | 2.503934 | -0.464960 |
| 6 | 0 | 5.483070 | -2.187567 | -0.835100 | 1 | 0 | -8.012756 | 4.396240 | 0.311785 |
| 6 | 0 | 9.226011 | -0.963618 | 1.695251 | 6 | 0 | -6.741548 | -2.202253 | -0.055862 |
| 6 | 0 | 7.693297 | -2.190417 | 0.192137 | 1 | 0 | -7.176388 | -4.058794 | 1.040780 |
| 6 | 0 | 6.545500 | -3.160926 | -0.231748 | 6 | 0 | -5.342048 | 0.272895 | -0.801542 |
| 6 | 0 | 8.659674 | -2.190720 | 1.209038 | 6 | 0 | -5.775368 | 2.709366 | -0.580552 |
| 1 | 0 | 9.872663 | -1.019775 | 2.566520 | 6 | 0 | -5.304715 | -2.150136 | -0.162819 |
| 1 | 0 | 6.145123 | -3.712158 | 0.626207 | 6 | 0 | -4.886520 | 1.646710 | -0.739867 |
| 1 | 0 | 6.883945 | -3.906179 | -0.965048 | 6 | 0 | -4.612718 | -0.971928 | -0.523383 |
| 1 | 0 | 8.910400 | -3.105032 | 1.739852 | 1 | 0 | -5.368046 | 3.708321 | -0.451973 |
| 1 | 0 | 3.515472 | -3.102066 | -0.775205 | 1 | 0 | -4.709838 | -3.012555 | 0.121805 |
| 1 | 0 | -3.279133 | -3.095110 | 0.256995 | 1 | 0 | -3.820327 | 1.849792 | -0.730104 |
| 6 | 0 | -0.668261 | -1.109060 | -0.917305 | 1 | 0 | -11.241645 | -1.300541 | 2.026318 |
| 6 | 0 | -1.893982 | -1.161103 | -0.879407 | 1 | 0 | 4.768532 | -3.010073 | -0.373009 |
| 6 | 0 | 1.913868 | -1.017975 | -1.002883 | 6 | 0 | 1.970554 | -0.915192 | -0.588569 |
| 6 | 0 | 0.687826 | -1.058284 | -0.960811 | 6 | 0 | 3.199938 | -0.917698 | -0.606513 |

Cor-A3-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 8.836747 | 0.783805 | -0.172100 |
| 6 | 0 | 8.726869 | -0.625755 | -0.305909 |
| 6 | 0 | 7.401828 | -0.924391 | -0.715105 |
| 6 | 0 | 6.690627 | 0.299399 | -0.835851 |
| 6 | 0 | 7.579295 | 1.356011 | -0.500570 |
| 6 | 0 | 9.745571 | 1.393351 | 0.680868 |
| 6 | 0 | 9.517819 | -1.518079 | 0.404618 |
| 6 | 0 | 6.780196 | -2.135524 | -0.443360 |
| 6 | 0 | 5.317703 | 0.401735 | -0.696461 |
| 6 | 0 | 7.149426 | 2.576238 | 0.000677 |
| 6 | 0 | 10.716384 | 0.485945 | 1.265451 |
| 6 | 0 | 10.608095 | -0.898236 | 1.134326 |
| 6 | 0 | 8.963675 | -2.856713 | 0.507722 |
| 6 | 0 | 7.663232 | -3.151772 | 0.104174 |
| 6 | 0 | 4.618277 | -0.888916 | -0.633817 |
| 6 | 0 | 5.340277 | -2.097160 | -0.508479 |
| 6 | 0 | 4.838825 | 1.730880 | -0.376184 |
| 6 | 0 | 5.711699 | 2.766758 | -0.045160 |
| 6 | 0 | 8.169874 | 3.320181 | 0.717108 |
| 6 | 0 | 9.403541 | 2.757560 | 1.040987 |
| 1 | 0 | 11.504005 | 0.885353 | 1.898534 |
| 1 | 0 | 11.314798 | -1.525862 | 1.670239 |
| 1 | 0 | 9.544538 | -3.636769 | 0.992143 |
| 1 | 0 | 7.276206 | -4.150130 | 0.287461 |
| 1 | 0 | 3.769702 | 1.904819 | -0.306651 |
| 1 | 0 | 5.289343 | 3.716236 | 0.271841 |
| 1 | 0 | 7.939550 | 4.313837 | 1.091404 |
| 1 | 0 | 10.089655 | 3.333421 | 1.656035 |

Sum-A3-Cor

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -8.127817 | -1.225252 | -0.449744 |
| 6 | 0 | -9.279519 | -0.446977 | -0.160162 |
| 6 | 0 | -8.925286 | 0.925048 | -0.275659 |
| 6 | 0 | -7.559830 | 0.997443 | -0.657517 |
| 6 | 0 | -7.059034 | -0.339018 | -0.745716 |
| 6 | 0 | -7.938383 | -2.506191 | 0.052378 |
| 6 | 0 | -10.315773 | -0.898383 | 0.644160 |
| 6 | 0 | -9.581086 | 1.931668 | 0.424023 |
| 6 | 0 | -6.752354 | 2.096103 | -0.321695 |
| 6 | 0 | -5.734412 | -0.686888 | -0.539421 |
| 6 | 0 | -9.101845 | -3.067802 | 0.714352 |
| 6 | 0 | -10.232531 | -2.303773 | 0.996054 |
| 6 | 0 | -11.141064 | 0.156988 | 1.202724 |
| 6 | 0 | -10.790106 | 1.502482 | 1.099334 |
| 6 | 0 | -8.814331 | 3.152500 | 0.585670 |
| 6 | 0 | -7.467996 | 3.226887 | 0.243189 |
| 6 | 0 | -5.503857 | -2.075101 | -0.213143 |
| 6 | 0 | -6.558030 | -2.945849 | 0.067513 |
| 1 | 0 | -9.061921 | -4.089433 | 1.082067 |
| 1 | 0 | -11.034239 | -2.756459 | 1.572972 |
| 1 | 0 | -12.011389 | -0.106774 | 1.797326 |
| 1 | 0 | -11.397892 | 2.238236 | 1.618518 |
| 1 | 0 | -9.273111 | 4.007816 | 1.073757 |

| | | | | | | | | | |
|---|---|-----------|-----------|-----------|---|---|------------|-----------|-----------|
| 1 | 0 | -6.913885 | 4.132236 | 0.469174 | 6 | 0 | -10.054469 | 0.489611 | 1.248996 |
| 1 | 0 | -4.484321 | -2.428769 | -0.096908 | 6 | 0 | -8.834953 | -2.115677 | 0.992794 |
| 1 | 0 | -6.322450 | -3.954604 | 0.395124 | 6 | 0 | -6.382913 | 2.180233 | -0.980976 |
| 1 | 0 | 10.827539 | -1.649236 | 2.626940 | 6 | 0 | -8.932783 | 2.456206 | 0.344522 |
| 6 | 0 | 10.191877 | -1.528856 | 1.754198 | 6 | 0 | -5.359057 | -0.014734 | -1.201665 |
| 6 | 0 | 9.372633 | -2.642766 | 1.370130 | 6 | 0 | -6.682699 | -2.348031 | -0.125406 |
| 6 | 0 | 10.054610 | -0.279731 | 1.130999 | 6 | 0 | -10.353461 | -0.544463 | 2.149268 |
| 6 | 0 | 8.414510 | -2.522155 | 0.353192 | 6 | 0 | -9.746940 | -1.839973 | 2.022285 |
| 1 | 0 | 9.431012 | -3.543078 | 1.975202 | 6 | 0 | -6.762112 | 3.391451 | -0.382308 |
| 6 | 0 | 10.344190 | 1.193219 | 1.559382 | 6 | 0 | -8.030076 | 3.528380 | 0.276904 |
| 6 | 0 | 9.181102 | -0.222273 | 0.033206 | 6 | 0 | -4.615377 | -1.165757 | -0.836447 |
| 6 | 0 | 7.088281 | -3.266879 | 0.022391 | 6 | 0 | -5.297690 | -2.330918 | -0.295611 |
| 6 | 0 | 8.397300 | -1.304822 | -0.348409 | 1 | 0 | -10.951448 | -0.355091 | 3.036401 |
| 6 | 0 | 9.260559 | 1.994958 | 0.772609 | 1 | 0 | -6.056801 | 4.212700 | -0.291093 |
| 1 | 0 | 11.363889 | 1.506546 | 1.294930 | 1 | 0 | -8.212483 | 4.446044 | 0.829201 |
| 1 | 0 | 10.237519 | 1.326419 | 2.641644 | 1 | 0 | -9.920594 | -2.556597 | 2.820140 |
| 6 | 0 | 8.712353 | 1.118061 | -0.177185 | 1 | 0 | 5.928328 | 4.195883 | 0.561511 |
| 6 | 0 | 6.242348 | -2.161338 | -0.685507 | 6 | 0 | 6.652094 | 3.431707 | 0.292376 |
| 1 | 0 | 7.239909 | -4.132931 | -0.635971 | 6 | 0 | 6.284120 | 2.343810 | -0.514069 |
| 1 | 0 | 6.586908 | -3.629351 | 0.926054 | 6 | 0 | 7.940313 | 3.485246 | 0.923905 |
| 6 | 0 | 7.122106 | -1.077296 | -0.967047 | 6 | 0 | 4.925680 | 1.691628 | -0.922443 |
| 6 | 0 | 8.547416 | 3.179073 | 1.011603 | 6 | 0 | 7.286045 | 1.395574 | -0.772016 |
| 6 | 0 | 7.469568 | 1.335553 | -0.755453 | 6 | 0 | 8.874941 | 2.452011 | 0.756310 |
| 6 | 0 | 6.655557 | 0.219715 | -1.157028 | 1 | 0 | 8.118020 | 4.287615 | 1.634592 |
| 6 | 0 | 7.261414 | 3.403158 | 0.415490 | 1 | 0 | 4.166939 | 1.804231 | -0.140006 |
| 1 | 0 | 8.891392 | 3.897359 | 1.750544 | 1 | 0 | 4.507242 | 2.133332 | -1.837478 |
| 6 | 0 | 6.676088 | 2.446143 | -0.427068 | 6 | 0 | 5.314839 | 0.196619 | -1.118766 |
| 6 | 0 | 5.297610 | 0.564172 | -1.109902 | 6 | 0 | 6.711411 | 0.126185 | -1.124233 |
| 1 | 0 | 6.703227 | 4.278036 | 0.736574 | 6 | 0 | 8.530862 | 1.446309 | -0.160727 |
| 6 | 0 | 5.209547 | 2.092909 | -0.824473 | 6 | 0 | 10.072145 | 1.907595 | 1.598852 |
| 1 | 0 | 4.864648 | 2.654124 | -1.703899 | 6 | 0 | 5.352548 | -2.250345 | -0.670396 |
| 1 | 0 | 4.503508 | 2.305564 | -0.013952 | 6 | 0 | 7.401953 | -1.046787 | -0.851867 |
| 6 | 0 | -4.820063 | 0.485135 | -0.472459 | 6 | 0 | 9.243758 | 0.231878 | 0.119180 |
| 6 | 0 | -5.375653 | 1.744154 | -0.308679 | 1 | 0 | 9.911729 | 2.060251 | 2.671917 |
| 6 | 0 | 4.375352 | -0.522057 | -1.011213 | 1 | 0 | 11.018477 | 2.403278 | 1.340733 |
| 6 | 0 | 4.923703 | -1.824667 | -0.841978 | 6 | 0 | 10.085547 | 0.389560 | 1.231051 |
| 6 | 0 | 2.965450 | -0.353586 | -0.958069 | 6 | 0 | 4.618092 | -1.028374 | -0.958688 |
| 6 | 0 | 1.747358 | -0.213134 | -0.898302 | 6 | 0 | 8.688465 | -0.994332 | -0.221721 |
| 6 | 0 | 0.402886 | -0.059730 | -0.829966 | 6 | 0 | 6.742938 | -2.251017 | -0.548864 |
| 6 | 0 | -0.815037 | 0.082394 | -0.763207 | 6 | 0 | 10.448404 | -0.785623 | 1.906943 |
| 6 | 0 | -2.224779 | 0.246903 | -0.685934 | 6 | 0 | 8.929731 | -2.160597 | 0.522841 |
| 6 | 0 | -3.409969 | 0.385207 | -0.620969 | 6 | 0 | 7.776994 | -3.159853 | 0.189087 |
| 1 | 0 | 4.224857 | -2.634903 | -0.836321 | 6 | 0 | 9.873532 | -2.053778 | 1.555139 |
| 1 | 0 | -4.685571 | 2.547114 | -0.153946 | 1 | 0 | 11.075377 | -0.747353 | 2.793441 |

Sum-A3-Sum

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.081723 | 2.049530 | 1.321247 |
| 6 | 0 | -7.660478 | -3.128319 | 0.809870 |
| 6 | 0 | -5.016127 | 1.500385 | -1.308128 |
| 1 | 0 | -9.891177 | 2.408683 | 2.338724 |
| 1 | 0 | -11.052755 | 2.460513 | 1.011231 |
| 1 | 0 | -7.188932 | -3.378022 | 1.766590 |
| 1 | 0 | -7.995427 | -4.072630 | 0.358569 |
| 1 | 0 | -4.237828 | 1.782065 | -0.590182 |
| 1 | 0 | -4.641967 | 1.770296 | -2.305439 |
| 6 | 0 | -9.245047 | 0.146099 | 0.154982 |
| 6 | 0 | -8.658968 | -1.106696 | 0.031628 |
| 6 | 0 | -7.359109 | 1.172451 | -1.016241 |
| 6 | 0 | -8.584457 | 1.304177 | -0.378164 |
| 6 | 0 | -6.752076 | -0.124356 | -1.142518 |
| 6 | 0 | -7.392600 | -1.242555 | -0.626137 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.054469 | 0.489611 | 1.248996 |
| 6 | 0 | -8.834953 | -2.115677 | 0.992794 |
| 6 | 0 | -6.382913 | 2.180233 | -0.980976 |
| 6 | 0 | -8.932783 | 2.456206 | 0.344522 |
| 6 | 0 | -5.359057 | -0.014734 | -1.201665 |
| 6 | 0 | -6.682699 | -2.348031 | -0.125406 |
| 6 | 0 | -10.353461 | -0.544463 | 2.149268 |
| 6 | 0 | -9.746940 | -1.839973 | 2.022285 |
| 6 | 0 | -6.762112 | 3.391451 | -0.382308 |
| 6 | 0 | -8.030076 | 3.528380 | 0.276904 |
| 6 | 0 | -4.615377 | -1.165757 | -0.836447 |
| 6 | 0 | -5.297690 | -2.330918 | -0.295611 |
| 1 | 0 | -10.951448 | -0.355091 | 3.036401 |
| 1 | 0 | -6.056801 | 4.212700 | -0.291093 |
| 1 | 0 | -8.212483 | 4.446044 | 0.829201 |
| 1 | 0 | -9.920594 | -2.556597 | 2.820140 |
| 1 | 0 | 5.928328 | 4.195883 | 0.561511 |
| 6 | 0 | 6.652094 | 3.431707 | 0.292376 |
| 6 | 0 | 6.284120 | 2.343810 | -0.514069 |
| 6 | 0 | 7.940313 | 3.485246 | 0.923905 |
| 6 | 0 | 4.925680 | 1.691628 | -0.922443 |
| 6 | 0 | 7.286045 | 1.395574 | -0.772016 |
| 6 | 0 | 8.874941 | 2.452011 | 0.756310 |
| 1 | 0 | 8.118020 | 4.287615 | 1.634592 |
| 1 | 0 | 4.166939 | 1.804231 | -0.140006 |
| 1 | 0 | 4.507242 | 2.133332 | -1.837478 |
| 6 | 0 | 5.314839 | 0.196619 | -1.118766 |
| 6 | 0 | 6.711411 | 0.126185 | -1.124233 |
| 6 | 0 | 8.530862 | 1.446309 | -0.160727 |
| 6 | 0 | 10.072145 | 1.907595 | 1.598852 |
| 6 | 0 | 5.352548 | -2.250345 | -0.670396 |
| 6 | 0 | 7.401953 | -1.046787 | -0.851867 |
| 6 | 0 | 9.243758 | 0.231878 | 0.119180 |
| 1 | 0 | 9.911729 | 2.060251 | 2.671917 |
| 1 | 0 | 11.018477 | 2.403278 | 1.340733 |
| 6 | 0 | 10.085547 | 0.389560 | 1.231051 |
| 6 | 0 | 4.618092 | -1.028374 | -0.958688 |
| 6 | 0 | 8.688465 | -0.994332 | -0.221721 |
| 6 | 0 | 6.742938 | -2.251017 | -0.548864 |
| 6 | 0 | 10.448404 | -0.785623 | 1.906943 |
| 6 | 0 | 8.929731 | -2.160597 | 0.522841 |
| 6 | 0 | 7.776994 | -3.159853 | 0.189087 |
| 6 | 0 | 9.873532 | -2.053778 | 1.555139 |
| 1 | 0 | 11.075377 | -0.747353 | 2.793441 |
| 1 | 0 | 7.349521 | -3.601237 | 1.096010 |
| 1 | 0 | 8.120084 | -3.990370 | -0.443447 |
| 1 | 0 | 10.097953 | -2.902269 | 2.195437 |
| 1 | 0 | 4.761195 | -3.128450 | -0.431008 |
| 1 | 0 | -4.669113 | -3.129836 | 0.084740 |
| 6 | 0 | 0.617976 | -1.097070 | -0.903196 |
| 6 | 0 | -0.614907 | -1.114281 | -0.888844 |
| 6 | 0 | 3.198913 | -1.063036 | -0.936820 |
| 6 | 0 | 1.969581 | -1.078354 | -0.918817 |
| 6 | 0 | -3.195764 | -1.155018 | -0.855356 |
| 6 | 0 | -1.966484 | -1.133875 | -0.871187 |

Cor-A4-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 10.128391 | 0.967625 | 0.025311 |
| 6 | 0 | 10.022922 | -0.505824 | -0.538420 |
| 6 | 0 | 8.692933 | -0.697564 | -1.037659 |
| 6 | 0 | 7.974413 | 0.656856 | -0.785646 |
| 6 | 0 | 8.863403 | 1.686703 | -0.128249 |

| | | | | | | | | | |
|---|---|------------|-----------|-----------|-------------------|---|------------|-----------|-----------|
| 6 | 0 | 11.046039 | 1.361642 | 1.104728 | | | | | |
| 6 | 0 | 10.827645 | -1.681485 | -0.059701 | | | | | |
| 6 | 0 | 8.080564 | -2.077512 | -1.095394 | | | | | |
| 6 | 0 | 6.602426 | 0.731642 | -0.575230 | | | | | |
| 6 | 0 | 8.434704 | 2.848329 | 0.786145 | | | | | |
| 6 | 0 | 12.029256 | 0.206835 | 1.439453 | | | | | |
| 6 | 0 | 11.925401 | -1.240104 | 0.886045 | | | | | |
| 6 | 0 | 10.280935 | -3.147918 | -0.338142 | | | | | |
| 6 | 0 | 8.975901 | -3.337761 | -0.831234 | | | | | |
| 6 | 0 | 5.907385 | -0.670336 | -0.881028 | | | | | |
| 6 | 0 | 6.639485 | -2.009913 | -1.123186 | | | | | |
| 6 | 0 | 6.121793 | 2.064811 | 0.178782 | | | | | |
| 6 | 0 | 6.994979 | 3.073577 | 0.825940 | | | | | |
| 6 | 0 | 9.461775 | 3.427198 | 1.756640 | | | | | |
| 6 | 0 | 10.702776 | 2.720008 | 1.908670 | | | | | |
| 1 | 0 | 12.823687 | 0.442135 | 2.222199 | | | | | |
| 1 | 0 | 12.642303 | -2.078543 | 1.257977 | | | | | |
| 1 | 0 | 10.872169 | -4.133843 | -0.064429 | | | | | |
| 1 | 0 | 8.595621 | -4.463176 | -0.925510 | | | | | |
| 1 | 0 | 5.052407 | 2.236546 | 0.329641 | | | | | |
| 1 | 0 | 6.572479 | 4.000350 | 1.460680 | | | | | |
| 1 | 0 | 9.231780 | 4.382867 | 2.461951 | | | | | |
| 1 | 0 | 11.394821 | 3.149966 | 2.727234 | | | | | |
| 6 | 0 | -11.920034 | 0.944107 | 1.278036 | | | | | |
| 6 | 0 | -11.699419 | -0.339732 | 1.929176 | | | | | |
| 6 | 0 | -11.090380 | 1.448043 | 0.148026 | | | | | |
| 6 | 0 | -10.626571 | -1.252150 | 1.516828 | | | | | |
| 6 | 0 | -10.210460 | 0.467440 | -0.357610 | | | | | |
| 6 | 0 | -10.839915 | 2.862972 | -0.341250 | | | | | |
| 6 | 0 | -9.986082 | -0.840107 | 0.305344 | | | | | |
| 6 | 0 | -9.945366 | -2.345286 | 2.296831 | | | | | |
| 6 | 0 | -9.041208 | 0.835166 | -1.107348 | | | | | |
| 6 | 0 | -9.693360 | 3.223822 | -1.079009 | | | | | |
| 1 | 0 | -11.517523 | 3.687864 | -0.049204 | | | | | |
| 6 | 0 | -8.678544 | -1.278799 | -0.033254 | | | | | |
| 6 | 0 | -8.662571 | -2.780074 | 1.963369 | | | | | |
| 1 | 0 | -10.408338 | -2.778550 | 3.223569 | | | | | |
| 6 | 0 | -8.092285 | -0.243842 | -0.905972 | | | | | |
| 6 | 0 | -8.677316 | 2.207387 | -1.402253 | | | | | |
| 1 | 0 | -9.518948 | 4.316699 | -1.335864 | | | | | |
| 6 | 0 | -7.926491 | -2.161946 | 0.814323 | | | | | |
| 1 | 0 | -8.170489 | -3.535901 | 2.640190 | | | | | |
| 6 | 0 | -6.723279 | -0.016225 | -0.994885 | | | | | |
| 6 | 0 | -7.268814 | 2.408377 | -1.711803 | | | | | |
| 6 | 0 | -6.503638 | -2.103464 | 0.575321 | | | | | |
| 6 | 0 | -6.337076 | 1.348898 | -1.517275 | | | | | |
| 6 | 0 | -5.903281 | -1.081652 | -0.293786 | | | | | |
| 1 | 0 | -6.905669 | 3.438190 | -2.016548 | | | | | |
| 1 | 0 | -5.840902 | -2.804924 | 1.142232 | | | | | |
| 1 | 0 | -5.282890 | 1.585265 | -1.674909 | | | | | |
| 1 | 0 | -12.295889 | -0.615553 | 2.829785 | | | | | |
| 1 | 0 | 6.073879 | -3.028485 | -1.239130 | | | | | |
| 6 | 0 | 3.258185 | -0.698038 | -0.790868 | | | | | |
| 6 | 0 | 4.489625 | -0.702562 | -0.832360 | | | | | |
| 6 | 0 | 0.672369 | -0.764301 | -0.675919 | | | | | |
| 6 | 0 | 1.910088 | -0.725798 | -0.735964 | | | | | |
| 1 | 0 | -12.680651 | 1.621203 | 1.695439 | | | | | |
| 6 | 0 | -1.908566 | -0.894117 | -0.549216 | | | | | |
| 6 | 0 | -0.670607 | -0.816260 | -0.618175 | | | | | |
| 6 | 0 | -3.257385 | -0.963391 | -0.461769 | | | | | |
| 6 | 0 | -4.487054 | -1.018961 | -0.383915 | | | | | |
| | | | | | Sum-A4-Cor | | | | |
| 6 | 0 | | | | 6 | 0 | -9.288586 | -1.299967 | -0.297712 |
| 6 | 0 | | | | 6 | 0 | -10.454104 | -0.574743 | 0.066380 |
| 6 | 0 | | | | 6 | 0 | -10.210862 | 0.802222 | -0.182170 |
| 6 | 0 | | | | 6 | 0 | -8.895211 | 0.927804 | -0.697691 |
| 6 | 0 | | | | 6 | 0 | -8.323150 | -0.370584 | -0.769832 |
| 6 | 0 | | | | 6 | 0 | -8.950300 | -2.520617 | 0.268501 |
| 6 | 0 | | | | 6 | 0 | -11.355681 | -1.022100 | 1.021518 |
| 6 | 0 | | | | 6 | 0 | -10.852925 | 1.821392 | 0.507787 |
| 6 | 0 | | | | 6 | 0 | -8.135457 | 2.081618 | -0.560413 |
| 6 | 0 | | | | 6 | 0 | -6.961389 | -0.609300 | -0.710369 |
| 6 | 0 | | | | 6 | 0 | -9.986245 | -3.098716 | 1.105453 |
| 6 | 0 | | | | 6 | 0 | -11.129406 | -2.386090 | 1.463899 |
| 6 | 0 | | | | 6 | 0 | -12.183927 | 0.022472 | 1.596295 |
| 6 | 0 | | | | 6 | 0 | -11.944768 | 1.374522 | 1.352312 |
| 6 | 0 | | | | 6 | 0 | -10.159311 | 3.097032 | 0.471670 |
| 6 | 0 | | | | 6 | 0 | -8.868331 | 3.222271 | -0.036749 |
| 6 | 0 | | | | 6 | 0 | -6.598567 | -1.956365 | -0.319855 |
| 6 | 0 | | | | 6 | 0 | -7.546586 | -2.867052 | 0.145368 |
| 1 | 0 | | | | 1 | 0 | -9.831288 | -4.082317 | 1.540277 |
| 1 | 0 | | | | 1 | 0 | -11.823983 | -2.840200 | 2.165307 |
| 1 | 0 | | | | 1 | 0 | -12.959926 | -0.245353 | 2.308148 |
| 1 | 0 | | | | 1 | 0 | -12.542837 | 2.110195 | 1.882991 |
| 1 | 0 | | | | 1 | 0 | -10.620995 | 3.966630 | 0.931173 |
| 1 | 0 | | | | 1 | 0 | -8.369144 | 4.183793 | 0.043365 |
| 1 | 0 | | | | 1 | 0 | -5.550526 | -2.238309 | -0.305398 |
| 1 | 0 | | | | 1 | 0 | -7.201834 | -3.831657 | 0.507299 |
| 1 | 0 | | | | 1 | 0 | 11.951144 | -1.634097 | 2.722991 |
| 6 | 0 | | | | 6 | 0 | 11.348677 | -1.480092 | 1.832096 |
| 6 | 0 | | | | 6 | 0 | 10.625930 | -2.609026 | 1.316812 |
| 6 | 0 | | | | 6 | 0 | 11.158172 | -0.193040 | 1.306268 |
| 6 | 0 | | | | 6 | 0 | 9.704620 | -2.463138 | 0.269175 |
| 1 | 0 | | | | 1 | 0 | 10.722758 | -3.552274 | 1.846998 |
| 6 | 0 | | | | 6 | 0 | 11.330453 | 1.256273 | 1.862357 |
| 6 | 0 | | | | 6 | 0 | 10.333014 | -0.100326 | 0.174716 |
| 6 | 0 | | | | 6 | 0 | 8.443858 | -3.255091 | -0.201024 |
| 6 | 0 | | | | 6 | 0 | 9.634568 | -1.191930 | -0.324249 |
| 6 | 0 | | | | 6 | 0 | 10.235865 | 2.052472 | 1.083187 |
| 1 | 0 | | | | 1 | 0 | 12.339191 | 1.651727 | 1.678242 |
| 6 | 0 | | | | 1 | 0 | 11.162779 | 1.294936 | 2.944424 |
| 6 | 0 | | | | 6 | 0 | 9.789519 | 1.222037 | 0.043226 |
| 6 | 0 | | | | 6 | 0 | 7.553433 | -2.134451 | -0.826297 |
| 1 | 0 | | | | 1 | 0 | 8.695213 | -4.035873 | -0.932243 |
| 1 | 0 | | | | 1 | 0 | 7.940273 | -3.748822 | 0.637184 |
| 6 | 0 | | | | 6 | 0 | 8.368443 | -0.997255 | -0.967142 |
| 6 | 0 | | | | 6 | 0 | 9.438239 | 3.170602 | 1.370715 |
| 6 | 0 | | | | 6 | 0 | 8.564907 | 1.410787 | -0.581548 |
| 6 | 0 | | | | 6 | 0 | 7.841302 | 0.280580 | -1.096320 |
| 6 | 0 | | | | 6 | 0 | 8.170606 | 3.364697 | 0.725364 |
| 1 | 0 | | | | 1 | 0 | 9.699417 | 3.848588 | 2.178451 |
| 6 | 0 | | | | 6 | 0 | 7.686779 | 2.442334 | -0.215039 |
| 6 | 0 | | | | 6 | 0 | 6.465504 | 0.531253 | -1.093073 |
| 1 | 0 | | | | 1 | 0 | 7.544465 | 4.177800 | 1.081672 |
| 6 | 0 | | | | 6 | 0 | 6.266609 | 2.028489 | -0.714361 |
| 6 | 0 | | | | 1 | 0 | 5.932350 | 2.629651 | -1.571290 |
| 1 | 0 | | | | 1 | 0 | 5.508684 | 2.142798 | 0.068553 |
| 6 | 0 | | | | 6 | 0 | -6.131294 | 0.600557 | -0.790722 |
| 6 | 0 | | | | 6 | 0 | -6.715607 | 1.885219 | -0.713797 |
| 6 | 0 | | | | 6 | 0 | 5.614394 | -0.603635 | -1.094389 |
| 6 | 0 | | | | 6 | 0 | 6.178487 | -1.937926 | -0.958669 |
| 6 | 0 | | | | 6 | 0 | 4.203192 | -0.457553 | -1.082240 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 2.980392 | -0.320984 | -1.063779 |
| 6 | 0 | 1.638960 | -0.177407 | -1.040176 |
| 6 | 0 | 0.410243 | -0.050048 | -1.013211 |
| 6 | 0 | -0.926626 | 0.085491 | -0.978755 |
| 6 | 0 | -2.155513 | 0.208212 | -0.942456 |
| 6 | 0 | -3.497046 | 0.345810 | -0.896279 |
| 6 | 0 | -4.719270 | 0.479688 | -0.849045 |
| 1 | 0 | 5.473679 | -2.754430 | -0.838020 |
| 1 | 0 | -6.045451 | 2.738840 | -0.684539 |

Sum-A4-Sum

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -11.374666 | 2.127873 | 1.291604 |
| 6 | 0 | -8.953179 | -3.062499 | 0.928655 |
| 6 | 0 | -6.303137 | 1.506244 | -1.310160 |
| 1 | 0 | -11.186495 | 2.514875 | 2.299248 |
| 1 | 0 | -12.344883 | 2.530165 | 0.968016 |
| 1 | 0 | -8.483923 | -3.285684 | 1.893007 |
| 1 | 0 | -9.287201 | -4.018857 | 0.502818 |
| 1 | 0 | -5.526286 | 1.807524 | -0.598660 |
| 1 | 0 | -5.926923 | 1.748518 | -2.313755 |
| 6 | 0 | -10.535426 | 0.193100 | 0.180099 |
| 6 | 0 | -9.949406 | -1.062801 | 0.092616 |
| 6 | 0 | -8.646778 | 1.186776 | -1.014642 |
| 6 | 0 | -9.873596 | 1.336009 | -0.383253 |
| 6 | 0 | -8.039719 | -0.113095 | -1.103595 |
| 6 | 0 | -8.681386 | -1.216593 | -0.557599 |
| 6 | 0 | -11.347384 | 0.566578 | 1.262357 |
| 6 | 0 | -10.127727 | -2.044939 | 1.080768 |
| 6 | 0 | -7.670532 | 2.194972 | -1.004778 |
| 6 | 0 | -10.223383 | 2.507420 | 0.306805 |
| 6 | 0 | -6.646713 | -0.005294 | -1.162881 |
| 6 | 0 | -7.973103 | -2.308481 | -0.025372 |
| 6 | 0 | -11.648607 | -0.442403 | 2.189959 |
| 6 | 0 | -11.042034 | -1.740986 | 2.100175 |
| 6 | 0 | -8.050790 | 3.422162 | -0.440287 |
| 6 | 0 | -9.320225 | 3.577152 | 0.211990 |
| 6 | 0 | -5.904549 | -1.146911 | -0.765260 |
| 6 | 0 | -6.588022 | -2.296870 | -0.193619 |
| 1 | 0 | -12.248682 | -0.228659 | 3.070095 |
| 1 | 0 | -7.345539 | 4.245470 | -0.369961 |
| 1 | 0 | -9.503717 | 4.509608 | 0.738511 |
| 1 | 0 | -11.217639 | -2.435372 | 2.916993 |
| 1 | 0 | 7.219203 | 4.238041 | 0.595935 |
| 6 | 0 | 7.942396 | 3.473963 | 0.325117 |
| 6 | 0 | 7.572765 | 2.386149 | -0.480692 |
| 6 | 0 | 9.232004 | 3.527429 | 0.953771 |
| 6 | 0 | 6.213457 | 1.733839 | -0.885901 |
| 6 | 0 | 8.574181 | 1.438160 | -0.741047 |
| 6 | 0 | 10.166363 | 2.494275 | 0.784004 |
| 1 | 0 | 9.411201 | 4.329700 | 1.664155 |
| 1 | 0 | 5.456504 | 1.846443 | -0.101763 |
| 1 | 0 | 5.792897 | 2.175325 | -1.800045 |
| 6 | 0 | 6.602506 | 0.238977 | -1.083294 |
| 6 | 0 | 7.998921 | 0.168699 | -1.091962 |
| 6 | 0 | 9.820315 | 1.488785 | -0.132491 |
| 6 | 0 | 11.365420 | 1.949725 | 1.623792 |
| 6 | 0 | 6.641951 | -2.209334 | -0.636774 |
| 6 | 0 | 8.690048 | -1.004348 | -0.821020 |
| 6 | 0 | 10.533753 | 0.274344 | 0.145638 |
| 1 | 0 | 11.207324 | 2.102068 | 2.697231 |
| 1 | 0 | 12.311147 | 2.445514 | 1.363748 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 11.378120 | 0.431809 | 1.255531 |
| 6 | 0 | 5.906817 | -0.986952 | -0.922875 |
| 6 | 0 | 9.978083 | -0.951972 | -0.194419 |
| 6 | 0 | 8.032335 | -2.209340 | -0.517663 |
| 6 | 0 | 11.742790 | -0.743649 | 1.930018 |
| 6 | 0 | 10.221374 | -2.118574 | 0.548996 |
| 6 | 0 | 9.068485 | -3.118213 | 0.217177 |
| 6 | 0 | 11.167537 | -2.011888 | 1.579123 |
| 1 | 0 | 12.371861 | -0.705595 | 2.815017 |
| 1 | 0 | 8.643299 | -3.560607 | 1.124656 |
| 1 | 0 | 9.410498 | -3.947950 | -0.416917 |
| 1 | 0 | 11.393833 | -2.860543 | 2.218493 |
| 1 | 0 | 6.051266 | -3.087883 | -0.397478 |
| 1 | 0 | -5.960408 | -3.085552 | 0.208971 |
| 6 | 0 | 1.908908 | -1.056575 | -0.861915 |
| 6 | 0 | 0.673541 | -1.075661 | -0.846628 |
| 6 | 0 | 4.488464 | -1.022101 | -0.899128 |
| 6 | 0 | 3.258188 | -1.036391 | -0.879658 |
| 6 | 0 | -1.906114 | -1.103340 | -0.816821 |
| 6 | 0 | -0.670643 | -1.091998 | -0.830977 |
| 6 | 0 | -4.485698 | -1.137994 | -0.783480 |
| 6 | 0 | -3.255462 | -1.117999 | -0.799722 |

Cor-A5-Cor

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 11.380277 | 0.914075 | -0.089155 |
| 6 | 0 | 11.295263 | -0.485292 | -0.316068 |
| 6 | 0 | 9.973677 | -0.780315 | -0.738326 |
| 6 | 0 | 9.239714 | 0.435496 | -0.774541 |
| 6 | 0 | 10.110790 | 1.483635 | -0.373325 |
| 6 | 0 | 12.281891 | 1.481748 | 0.799593 |
| 6 | 0 | 12.105743 | -1.408400 | 0.330304 |
| 6 | 0 | 9.376264 | -2.018888 | -0.547008 |
| 6 | 0 | 7.865978 | 0.503068 | -0.623361 |
| 6 | 0 | 9.661347 | 2.658980 | 0.210927 |
| 6 | 0 | 13.271939 | 0.555357 | 1.318469 |
| 6 | 0 | 13.188272 | -0.818747 | 1.095587 |
| 6 | 0 | 11.577006 | -2.761209 | 0.345442 |
| 6 | 0 | 10.280528 | -3.053118 | -0.072462 |
| 6 | 0 | 7.191525 | -0.802262 | -0.644961 |
| 6 | 0 | 7.936046 | -2.003206 | -0.603972 |
| 6 | 0 | 7.364362 | 1.798632 | -0.212975 |
| 6 | 0 | 8.220143 | 2.825662 | 0.183603 |
| 6 | 0 | 10.671398 | 3.371945 | 0.972067 |
| 6 | 0 | 11.916853 | 2.811981 | 1.252324 |
| 1 | 0 | 14.055248 | 0.926086 | 1.973914 |
| 1 | 0 | 13.908968 | -1.467532 | 1.585613 |
| 1 | 0 | 12.174713 | -3.560884 | 0.774046 |
| 1 | 0 | 9.913043 | -4.068665 | 0.044162 |
| 1 | 0 | 6.292707 | 1.948423 | -0.128152 |
| 1 | 0 | 7.782300 | 3.743751 | 0.565298 |
| 1 | 0 | 10.424499 | 4.333495 | 1.413516 |
| 1 | 0 | 12.595408 | 3.357658 | 1.902219 |
| 6 | 0 | -13.234127 | 0.876756 | 1.243272 |
| 6 | 0 | -13.115396 | -0.485218 | 1.518672 |
| 6 | 0 | -12.293745 | 1.573886 | 0.384421 |
| 6 | 0 | -12.044155 | -1.290878 | 0.962972 |
| 6 | 0 | -11.408472 | 0.741881 | -0.285605 |
| 6 | 0 | -11.954603 | 2.983869 | 0.317628 |
| 6 | 0 | -11.287982 | -0.645010 | -0.005320 |
| 6 | 0 | -11.473082 | -2.541366 | 1.432038 |
| 6 | 0 | -10.169385 | 1.193376 | -0.812241 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.738999 | 3.427515 | -0.200894 |
| 1 | 0 | -12.625256 | 3.714197 | 0.761942 |
| 6 | 0 | -9.974728 | -1.049774 | -0.356844 |
| 6 | 0 | -10.184775 | -2.942000 | 1.084878 |
| 1 | 0 | -12.028724 | -3.145970 | 2.143492 |
| 6 | 0 | -9.281389 | 0.085377 | -0.855893 |
| 6 | 0 | -9.735936 | 2.506882 | -0.705086 |
| 1 | 0 | -10.506610 | 4.487221 | -0.141969 |
| 6 | 0 | -9.331876 | -2.129654 | 0.233236 |
| 1 | 0 | -9.781562 | -3.843967 | 1.536440 |
| 6 | 0 | -7.905834 | 0.224604 | -0.802267 |
| 6 | 0 | -8.302752 | 2.676417 | -0.856844 |
| 6 | 0 | -7.896037 | -2.111730 | 0.108182 |
| 6 | 0 | -7.430352 | 1.589448 | -0.902206 |
| 6 | 0 | -7.191832 | -0.991861 | -0.390177 |
| 1 | 0 | -7.880329 | 3.677266 | -0.846953 |
| 1 | 0 | -7.310034 | -2.944986 | 0.483575 |
| 1 | 0 | -6.361536 | 1.776916 | -0.925738 |
| 1 | 0 | -13.796285 | -0.929125 | 2.239618 |
| 1 | 0 | 7.381578 | -2.933528 | -0.528270 |
| 6 | 0 | 4.544620 | -0.878002 | -0.588881 |
| 6 | 0 | 5.775135 | -0.859899 | -0.613547 |
| 6 | 0 | 1.960848 | -0.932149 | -0.538868 |
| 6 | 0 | 3.196991 | -0.905566 | -0.562900 |
| 1 | 0 | -14.003700 | 1.443748 | 1.759858 |
| 6 | 0 | -0.617922 | -0.972059 | -0.490473 |
| 6 | 0 | 0.619950 | -0.955870 | -0.513034 |
| 6 | 0 | -1.959053 | -0.983904 | -0.468811 |
| 6 | 0 | -3.195565 | -0.990522 | -0.450566 |
| 6 | 0 | -4.543521 | -0.998234 | -0.428291 |
| 6 | 0 | -5.774113 | -1.011140 | -0.404148 |

Sum-A5-Cor

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.573504 | -1.295924 | -0.310299 |
| 6 | 0 | -11.751243 | -0.602054 | 0.074555 |
| 6 | 0 | -11.528850 | 0.786289 | -0.124756 |
| 6 | 0 | -10.213749 | 0.950264 | -0.630492 |
| 6 | 0 | -9.621218 | -0.335750 | -0.745903 |
| 6 | 0 | -10.218302 | -2.530555 | 0.213458 |
| 6 | 0 | -12.649409 | -1.096705 | 1.009311 |
| 6 | 0 | -12.189302 | 1.770753 | 0.597406 |
| 6 | 0 | -9.473008 | 2.110652 | -0.450688 |
| 6 | 0 | -8.256178 | -0.555416 | -0.689911 |
| 6 | 0 | -11.248370 | -3.153924 | 1.024810 |
| 6 | 0 | -12.403703 | -2.472033 | 1.403659 |
| 6 | 0 | -13.496005 | -0.085761 | 1.616603 |
| 6 | 0 | -13.277135 | 1.277578 | 1.421121 |
| 6 | 0 | -11.515940 | 3.057701 | 0.608252 |
| 6 | 0 | -10.225553 | 3.220907 | 0.109322 |
| 6 | 0 | -7.873614 | -1.909688 | -0.345655 |
| 6 | 0 | -8.808949 | -2.850707 | 0.083548 |
| 1 | 0 | -11.080048 | -4.149987 | 1.424832 |
| 1 | 0 | -13.093785 | -2.961693 | 2.085261 |
| 1 | 0 | -14.270652 | -0.390172 | 2.315087 |
| 1 | 0 | -13.888890 | 1.984735 | 1.974439 |
| 1 | 0 | -11.992824 | 3.903392 | 1.095933 |
| 1 | 0 | -9.742078 | 4.186886 | 0.224381 |
| 1 | 0 | -6.821421 | -2.175959 | -0.336790 |
| 1 | 0 | -8.450283 | -3.821933 | 0.412704 |
| 1 | 0 | 13.215414 | -1.575337 | 2.799397 |
| 6 | 0 | 12.612628 | -1.443683 | 1.905153 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 11.890146 | -2.585458 | 1.418406 |
| 6 | 0 | 12.421597 | -0.170136 | 1.347630 |
| 6 | 0 | 10.968275 | -2.465870 | 0.368021 |
| 1 | 0 | 11.987398 | -3.515120 | 1.971938 |
| 6 | 0 | 12.593678 | 1.292657 | 1.867323 |
| 6 | 0 | 11.596033 | -0.105800 | 0.214399 |
| 6 | 0 | 9.707678 | -3.269698 | -0.081981 |
| 6 | 0 | 10.897659 | -1.209730 | -0.256728 |
| 6 | 0 | 11.498697 | 2.068951 | 1.068801 |
| 1 | 0 | 13.602278 | 1.683507 | 1.673017 |
| 1 | 0 | 12.426325 | 1.358428 | 2.948131 |
| 6 | 0 | 11.052255 | 1.212727 | 0.050058 |
| 6 | 0 | 8.817171 | -2.165652 | -0.735776 |
| 1 | 0 | 9.959458 | -4.068610 | -0.793288 |
| 1 | 0 | 9.204034 | -3.742326 | 0.768158 |
| 6 | 0 | 9.631559 | -1.031582 | -0.903913 |
| 6 | 0 | 10.700775 | 3.193681 | 1.328537 |
| 6 | 0 | 9.827329 | 1.385462 | -0.578697 |
| 6 | 0 | 9.104095 | 0.242538 | -1.065067 |
| 6 | 0 | 9.432868 | 3.271352 | 0.678869 |
| 1 | 0 | 10.962130 | 3.891669 | 2.118962 |
| 6 | 0 | 8.949011 | 2.425478 | -0.237898 |
| 6 | 0 | 7.728352 | 0.492773 | -1.068237 |
| 1 | 0 | 8.806595 | 4.192947 | 1.014817 |
| 6 | 0 | 7.528750 | 1.998705 | -0.726187 |
| 1 | 0 | 7.193630 | 2.578564 | -1.597360 |
| 1 | 0 | 6.771273 | 2.131629 | 0.054179 |
| 6 | 0 | -7.445640 | 0.669525 | -0.723970 |
| 6 | 0 | -8.049817 | 1.941989 | -0.605135 |
| 6 | 0 | 6.878049 | -0.642441 | -1.042536 |
| 6 | 0 | 7.442277 | -1.973239 | -0.873871 |
| 6 | 0 | 5.467162 | -0.497421 | -1.035131 |
| 6 | 0 | 4.243619 | -0.362204 | -1.022324 |
| 6 | 0 | 2.901820 | -0.230415 | -1.007607 |
| 6 | 0 | 1.670217 | -0.116905 | -0.993920 |
| 6 | 0 | 0.335244 | 0.009699 | -0.971725 |
| 6 | 0 | -0.897144 | 0.127078 | -0.942129 |
| 6 | 0 | -2.232259 | 0.247636 | -0.905785 |
| 6 | 0 | -3.464371 | 0.349277 | -0.870629 |
| 6 | 0 | -4.807149 | 0.460396 | -0.826986 |
| 6 | 0 | -6.032077 | 0.573417 | -0.780961 |
| 1 | 0 | 6.737591 | -2.787176 | -0.736442 |
| 1 | 0 | -7.392884 | 2.804152 | -0.543426 |

Sum-A5-Sum

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -12.671890 | 2.193676 | 1.265527 |
| 6 | 0 | -10.250227 | -3.003413 | 1.014698 |
| 6 | 0 | -7.587735 | 1.521105 | -1.298949 |
| 1 | 0 | -12.488725 | 2.600060 | 2.266426 |
| 1 | 0 | -13.640358 | 2.589699 | 0.929276 |
| 1 | 0 | -9.785873 | -3.208058 | 1.985504 |
| 1 | 0 | -10.582402 | -3.967702 | 0.605691 |
| 1 | 0 | -6.814109 | 1.835929 | -0.589817 |
| 1 | 0 | -7.206858 | 1.743814 | -2.305301 |
| 6 | 0 | -11.827490 | 0.237759 | 0.195796 |
| 6 | 0 | -11.241536 | -1.019794 | 0.135431 |
| 6 | 0 | -9.932804 | 1.207943 | -1.008576 |
| 6 | 0 | -11.162688 | 1.369462 | -0.386239 |
| 6 | 0 | -9.325752 | -0.093508 | -1.069282 |
| 6 | 0 | -9.970256 | -1.186129 | -0.504933 |
| 6 | 0 | -12.644790 | 0.632103 | 1.266544 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -11.425103 | -1.982780 | 1.141318 |
| 6 | 0 | -8.956381 | 2.215909 | -1.013393 |
| 6 | 0 | -11.515601 | 2.553980 | 0.279382 |
| 6 | 0 | -7.932582 | 0.012759 | -1.124240 |
| 6 | 0 | -9.265163 | -2.268183 | 0.051294 |
| 6 | 0 | -12.951010 | -0.358893 | 2.211774 |
| 6 | 0 | -12.344441 | -1.659125 | 2.150082 |
| 6 | 0 | -9.339028 | 3.453799 | -0.474441 |
| 6 | 0 | -10.611605 | 3.621469 | 0.168480 |
| 6 | 0 | -7.193079 | -1.121985 | -0.701924 |
| 6 | 0 | -7.879508 | -2.260686 | -0.111145 |
| 1 | 0 | -13.555527 | -0.128154 | 3.084527 |
| 1 | 0 | -8.633945 | 4.278187 | -0.416528 |
| 1 | 0 | -10.797420 | 4.563931 | 0.675997 |
| 1 | 0 | -12.524400 | -2.337654 | 2.979150 |
| 1 | 0 | 8.515967 | 4.279287 | 0.614977 |
| 6 | 0 | 9.237699 | 3.513811 | 0.344299 |
| 6 | 0 | 8.864991 | 2.424251 | -0.457728 |
| 6 | 0 | 10.528989 | 3.567641 | 0.969430 |
| 6 | 0 | 7.504012 | 1.772092 | -0.857506 |
| 6 | 0 | 9.864830 | 1.474739 | -0.718265 |
| 6 | 0 | 11.461956 | 2.533166 | 0.799938 |
| 1 | 0 | 10.710780 | 4.371587 | 1.677225 |
| 1 | 0 | 6.749270 | 1.887597 | -0.071678 |
| 1 | 0 | 7.081463 | 2.211348 | -1.771795 |
| 6 | 0 | 7.891286 | 0.276405 | -1.051993 |
| 6 | 0 | 9.287508 | 0.204849 | -1.064196 |
| 6 | 0 | 11.112573 | 1.525693 | -0.113086 |
| 6 | 0 | 12.662668 | 1.989631 | 1.637982 |
| 6 | 0 | 7.930014 | -2.171657 | -0.600075 |
| 6 | 0 | 9.978176 | -0.968193 | -0.791763 |
| 6 | 0 | 11.825501 | 0.311304 | 0.166324 |
| 1 | 0 | 12.507488 | 2.144809 | 2.711429 |
| 1 | 0 | 13.608170 | 2.483865 | 1.374252 |
| 6 | 0 | 12.672995 | 0.470800 | 1.273505 |
| 6 | 0 | 7.195294 | -0.949030 | -0.887233 |
| 6 | 0 | 11.267979 | -0.915462 | -0.169184 |
| 6 | 0 | 9.320501 | -2.172256 | -0.484175 |
| 6 | 0 | 13.038452 | -0.703369 | 1.949845 |
| 6 | 0 | 11.512313 | -2.080511 | 0.576358 |
| 6 | 0 | 10.357995 | -3.080177 | 0.249853 |
| 6 | 0 | 12.461296 | -1.972044 | 1.603677 |
| 1 | 0 | 13.669953 | -0.663672 | 2.833023 |
| 1 | 0 | 9.934939 | -3.520384 | 1.159372 |
| 1 | 0 | 10.697755 | -3.911431 | -0.383430 |
| 1 | 0 | 12.688735 | -2.819282 | 2.244479 |
| 1 | 0 | 7.339204 | -3.049284 | -0.357795 |
| 1 | 0 | -7.254091 | -3.042071 | 0.308689 |
| 6 | 0 | 3.198634 | -1.015184 | -0.818998 |
| 6 | 0 | 1.962053 | -1.032493 | -0.802525 |
| 6 | 0 | 5.777504 | -0.983165 | -0.860524 |
| 6 | 0 | 4.546760 | -0.996958 | -0.838582 |
| 6 | 0 | -0.617479 | -1.061972 | -0.770754 |
| 6 | 0 | 0.620684 | -1.049082 | -0.785443 |
| 6 | 0 | -3.195648 | -1.083426 | -0.743920 |
| 6 | 0 | -1.958937 | -1.073659 | -0.756442 |
| 6 | 0 | -5.774702 | -1.114846 | -0.715784 |
| 6 | 0 | -4.543898 | -1.096772 | -0.729180 |

Cor-B1-Cor

| | | | | |
|---|---|----------|-----------|-----------|
| 6 | 0 | 5.740751 | -0.000001 | -0.223464 |
|---|---|----------|-----------|-----------|

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 4.936838 | -1.149102 | -0.441032 |
| 6 | 0 | 3.635443 | -0.716911 | -0.793653 |
| 6 | 0 | 3.635443 | 0.716909 | -0.793652 |
| 6 | 0 | 4.936839 | 1.149099 | -0.441036 |
| 6 | 0 | 6.860686 | -0.000001 | 0.593892 |
| 6 | 0 | 5.201817 | -2.380243 | 0.145641 |
| 6 | 0 | 2.507546 | -1.483372 | -0.590934 |
| 6 | 0 | 2.507547 | 1.483371 | -0.590931 |
| 6 | 0 | 5.201821 | 2.380243 | 0.145633 |
| 6 | 0 | 7.266509 | -1.319050 | 1.046752 |
| 6 | 0 | 6.478958 | -2.449240 | 0.833510 |
| 6 | 0 | 4.061286 | -3.266919 | 0.191313 |
| 6 | 0 | 2.777311 | -2.836827 | -0.157031 |
| 6 | 0 | 1.236169 | -0.731419 | -0.635085 |
| 6 | 0 | 1.236170 | 0.731418 | -0.635083 |
| 6 | 0 | 2.777314 | 2.836825 | -0.157026 |
| 6 | 0 | 4.061290 | 3.266919 | 0.191308 |
| 6 | 0 | 6.478965 | 2.449241 | 0.833497 |
| 6 | 0 | 7.266513 | 1.319051 | 1.046744 |
| 1 | 0 | 8.169145 | -1.422487 | 1.642776 |
| 1 | 0 | 6.796982 | -3.391492 | 1.271456 |
| 1 | 0 | 4.178227 | -4.270963 | 0.589851 |
| 1 | 0 | 1.954159 | -3.529098 | -0.007926 |
| 1 | 0 | 1.954162 | 3.529097 | -0.007922 |
| 1 | 0 | 4.178233 | 4.270964 | 0.589843 |
| 1 | 0 | 6.796991 | 3.391495 | 1.271439 |
| 1 | 0 | 8.169149 | 1.422488 | 1.642768 |
| 6 | 0 | -1.236170 | -0.731419 | -0.635085 |
| 6 | 0 | -1.236169 | 0.731419 | -0.635083 |
| 6 | 0 | -2.507547 | -1.483371 | -0.590934 |
| 6 | 0 | -2.507546 | 1.483372 | -0.590931 |
| 6 | 0 | -3.635443 | -0.716909 | -0.793653 |
| 6 | 0 | -2.777313 | -2.836825 | -0.157031 |
| 6 | 0 | -3.635443 | 0.716911 | -0.793652 |
| 6 | 0 | -2.777312 | 2.836826 | -0.157026 |
| 6 | 0 | -4.936839 | -1.149100 | -0.441035 |
| 6 | 0 | -4.061289 | -3.266919 | 0.191308 |
| 1 | 0 | -1.954161 | -3.529098 | -0.007927 |
| 6 | 0 | -4.936838 | 1.149102 | -0.441033 |
| 6 | 0 | -4.061288 | 3.266919 | 0.191313 |
| 1 | 0 | -1.954160 | 3.529098 | -0.007921 |
| 6 | 0 | -5.740751 | 0.000000 | -0.223464 |
| 6 | 0 | -5.201819 | -2.380242 | 0.145636 |
| 1 | 0 | -4.178231 | -4.270964 | 0.589843 |
| 6 | 0 | -5.201818 | 2.380244 | 0.145639 |
| 1 | 0 | -4.178229 | 4.270964 | 0.589850 |
| 6 | 0 | -6.860686 | 0.000000 | 0.593892 |
| 6 | 0 | -6.478962 | -2.449240 | 0.833502 |
| 6 | 0 | -6.478961 | 2.449241 | 0.833504 |
| 6 | 0 | -7.266512 | -1.319050 | 1.046747 |
| 6 | 0 | -7.266511 | 1.319051 | 1.046749 |
| 1 | 0 | -6.796987 | -3.391493 | 1.271445 |
| 1 | 0 | -6.796986 | 3.391494 | 1.271449 |
| 1 | 0 | -8.169148 | -1.422488 | 1.642771 |
| 1 | 0 | -8.169147 | 1.422488 | 1.642773 |
| 6 | 0 | 0.000000 | -1.390210 | -0.628032 |
| 6 | 0 | 0.000000 | 1.390210 | -0.628029 |
| 1 | 0 | 0.000000 | -2.475514 | -0.640281 |
| 1 | 0 | 0.000001 | 2.475514 | -0.640276 |

Sum-B1-Cor

| | | | | | | | | | |
|---|---|-----------|-----------|-----------|-------------------|---|-----------|-----------|-----------|
| 6 | 0 | -5.103953 | -1.149493 | -0.362679 | 1 | 0 | -0.193026 | 2.483958 | -0.872545 |
| 6 | 0 | -5.893029 | -0.000088 | -0.096858 | | | | | |
| 6 | 0 | -5.104033 | 1.149332 | -0.362857 | | | | | |
| 6 | 0 | -3.827029 | 0.718346 | -0.793975 | | | | | |
| 6 | 0 | -3.826982 | -0.718494 | -0.793848 | | | | | |
| 6 | 0 | -5.335631 | -2.381757 | 0.237205 | | | | | |
| 6 | 0 | -6.963246 | -0.000060 | 0.784322 | | | | | |
| 6 | 0 | -5.335813 | 2.381672 | 0.236819 | | | | | |
| 6 | 0 | -2.690648 | 1.486096 | -0.661145 | | | | | |
| 6 | 0 | -2.690543 | -1.486146 | -0.660938 | | | | | |
| 6 | 0 | -6.570370 | -2.450005 | 0.998577 | | | | | |
| 6 | 0 | -7.343052 | -1.319446 | 1.258715 | | | | | |
| 6 | 0 | -7.343150 | 1.319372 | 1.258506 | | | | | |
| 6 | 0 | -6.570553 | 2.449945 | 0.998185 | | | | | |
| 6 | 0 | -4.196025 | 3.268394 | 0.214365 | | | | | |
| 6 | 0 | -2.934717 | 2.838003 | -0.210629 | | | | | |
| 6 | 0 | -2.934494 | -2.837971 | -0.210124 | | | | | |
| 6 | 0 | -4.195781 | -3.268391 | 0.214907 | | | | | |
| 1 | 0 | -6.863330 | -3.392605 | 1.453092 | | | | | |
| 1 | 0 | -8.209868 | -1.422657 | 1.905815 | | | | | |
| 1 | 0 | -8.209968 | 1.422614 | 1.905598 | | | | | |
| 1 | 0 | -6.863571 | 3.392596 | 1.452556 | | | | | |
| 1 | 0 | -4.288932 | 4.272349 | 0.619564 | | | | | |
| 1 | 0 | -2.103851 | 3.529945 | -0.110260 | | | | | |
| 1 | 0 | -2.103551 | -3.529794 | -0.109582 | | | | | |
| 1 | 0 | -4.288618 | -4.272262 | 0.620329 | | | | | |
| 1 | 0 | 6.841157 | -2.984347 | 2.098294 | | | | | |
| 6 | 0 | 6.261768 | -2.530268 | 1.299184 | | | | | |
| 6 | 0 | 5.119361 | -3.249168 | 0.815912 | | | | | |
| 6 | 0 | 6.530028 | -1.219492 | 0.869113 | | | | | |
| 6 | 0 | 4.230477 | -2.664693 | -0.102058 | | | | | |
| 1 | 0 | 4.896088 | -4.207944 | 1.275639 | | | | | |
| 6 | 0 | 7.295884 | -0.000067 | 1.474453 | | | | | |
| 6 | 0 | 5.704837 | -0.719420 | -0.147544 | | | | | |
| 6 | 0 | 2.723601 | -2.866187 | -0.453282 | | | | | |
| 6 | 0 | 4.599322 | -1.413378 | -0.613588 | | | | | |
| 6 | 0 | 6.530012 | 1.219441 | 0.869303 | | | | | |
| 1 | 0 | 8.359236 | -0.000029 | 1.196548 | | | | | |
| 1 | 0 | 7.250622 | -0.000148 | 2.569353 | | | | | |
| 6 | 0 | 5.704839 | 0.719519 | -0.147429 | | | | | |
| 6 | 0 | 2.296331 | -1.451126 | -0.953838 | | | | | |
| 1 | 0 | 2.573183 | -3.643407 | -1.216058 | | | | | |
| 1 | 0 | 2.147015 | -3.168279 | 0.429038 | | | | | |
| 6 | 0 | 3.447498 | -0.702914 | -1.106350 | | | | | |
| 6 | 0 | 6.261705 | 2.530144 | 1.299617 | | | | | |
| 6 | 0 | 4.599301 | 1.413535 | -0.613373 | | | | | |
| 6 | 0 | 3.447474 | 0.703123 | -1.106168 | | | | | |
| 6 | 0 | 5.119294 | 3.249100 | 0.816474 | | | | | |
| 1 | 0 | 6.841075 | 2.984089 | 2.098820 | | | | | |
| 6 | 0 | 4.230457 | 2.664758 | -0.101646 | | | | | |
| 6 | 0 | 2.296274 | 1.451305 | -0.953504 | | | | | |
| 1 | 0 | 4.895987 | 4.207798 | 1.276342 | | | | | |
| 6 | 0 | 2.723578 | 2.866306 | -0.452798 | | | | | |
| 1 | 0 | 2.573074 | 3.643641 | -1.215439 | | | | | |
| 1 | 0 | 2.147076 | 3.168277 | 0.429619 | | | | | |
| 6 | 0 | -1.419014 | -0.738454 | -0.789932 | | | | | |
| 6 | 0 | -0.197067 | -1.397959 | -0.864914 | | | | | |
| 6 | 0 | -1.419072 | 0.738485 | -0.789941 | | | | | |
| 6 | 0 | 1.050771 | -0.739422 | -0.960348 | | | | | |
| 1 | 0 | -0.192983 | -2.483891 | -0.872894 | | | | | |
| 6 | 0 | -0.197143 | 1.398026 | -0.864723 | | | | | |
| 6 | 0 | 1.050730 | 0.739512 | -0.960141 | | | | | |
| | | | | | Sum-B1-Sum | | | | |
| 6 | 0 | 7.352163 | 0.000055 | 1.672073 | 6 | 0 | 7.352163 | 0.000055 | 1.672073 |
| 6 | 0 | 2.888356 | 2.865439 | -0.490716 | 6 | 0 | 2.888356 | 2.865439 | -0.490716 |
| 6 | 0 | 2.888468 | -2.865432 | -0.490801 | 6 | 0 | 2.888468 | -2.865432 | -0.490801 |
| 1 | 0 | 7.247805 | 0.000032 | 2.763008 | 1 | 0 | 7.247805 | 0.000032 | 2.763008 |
| 1 | 0 | 8.429043 | 0.000082 | 1.452224 | 1 | 0 | 8.429043 | 0.000082 | 1.452224 |
| 1 | 0 | 2.266047 | 3.159882 | 0.362853 | 1 | 0 | 2.266047 | 3.159882 | 0.362853 |
| 1 | 0 | 2.774564 | 3.647981 | -1.254504 | 1 | 0 | 2.774564 | 3.647981 | -1.254504 |
| 1 | 0 | 2.266174 | -3.159922 | 0.362763 | 1 | 0 | 2.266174 | -3.159922 | 0.362763 |
| 1 | 0 | 2.774694 | -3.647952 | -1.254614 | 1 | 0 | 2.774694 | -3.647952 | -1.254614 |
| 6 | 0 | 5.848457 | 0.719989 | -0.030740 | 6 | 0 | 5.848457 | 0.719989 | -0.030740 |
| 6 | 0 | 4.768742 | 1.413572 | -0.553533 | 6 | 0 | 4.768742 | 1.413572 | -0.553533 |
| 6 | 0 | 4.768800 | -1.413492 | -0.553583 | 6 | 0 | 4.768800 | -1.413492 | -0.553583 |
| 6 | 0 | 5.848488 | -0.719883 | -0.030767 | 6 | 0 | 5.848488 | -0.719883 | -0.030767 |
| 6 | 0 | 3.643628 | -0.705410 | -1.110132 | 6 | 0 | 3.643628 | -0.705410 | -1.110132 |
| 6 | 0 | 3.643601 | 0.705465 | -1.110109 | 6 | 0 | 3.643601 | 0.705465 | -1.110109 |
| 6 | 0 | 6.619771 | 1.219699 | 1.026832 | 6 | 0 | 6.619771 | 1.219699 | 1.026832 |
| 6 | 0 | 4.375001 | 2.665037 | -0.062456 | 6 | 0 | 4.375001 | 2.665037 | -0.062456 |
| 6 | 0 | 4.375110 | -2.664990 | -0.062549 | 6 | 0 | 4.375110 | -2.664990 | -0.062549 |
| 6 | 0 | 6.619824 | -1.219598 | 1.026786 | 6 | 0 | 6.619824 | -1.219598 | 1.026786 |
| 6 | 0 | 2.490474 | -1.453082 | -1.020472 | 6 | 0 | 2.490474 | -1.453082 | -1.020472 |
| 6 | 0 | 2.490416 | 1.453090 | -1.020431 | 6 | 0 | 2.490416 | 1.453090 | -1.020431 |
| 6 | 0 | 6.331144 | 2.531663 | 1.441667 | 6 | 0 | 6.331144 | 2.531663 | 1.441667 |
| 6 | 0 | 5.216118 | 3.250476 | 0.899577 | 6 | 0 | 5.216118 | 3.250476 | 0.899577 |
| 6 | 0 | 5.216254 | -3.250428 | 0.899461 | 6 | 0 | 5.216254 | -3.250428 | 0.899461 |
| 6 | 0 | 6.331253 | -2.531589 | 1.441575 | 6 | 0 | 6.331253 | -2.531589 | 1.441575 |
| 6 | 0 | 1.238788 | -0.744457 | -1.103863 | 6 | 0 | 1.238788 | -0.744457 | -1.103863 |
| 6 | 0 | 1.238764 | 0.744417 | -1.103842 | 6 | 0 | 1.238764 | 0.744417 | -1.103842 |
| 1 | 0 | 6.869878 | 2.986161 | 2.268551 | 1 | 0 | 6.869878 | 2.986161 | 2.268551 |
| 1 | 0 | 4.970431 | -4.210289 | 1.345321 | 1 | 0 | 4.970431 | -4.210289 | 1.345321 |
| 1 | 0 | 6.870006 | -2.986095 | 2.268440 | 1 | 0 | 6.870006 | -2.986095 | 2.268440 |
| 1 | 0 | 4.970254 | 4.210311 | 1.345470 | 1 | 0 | 4.970254 | 4.210311 | 1.345470 |
| 1 | 0 | -4.970352 | -4.210230 | 1.345724 | 1 | 0 | -4.970352 | -4.210230 | 1.345724 |
| 6 | 0 | -5.216118 | -3.250407 | 0.899741 | 6 | 0 | -5.216118 | -3.250407 | 0.899741 |
| 6 | 0 | -4.374903 | -2.665028 | -0.062242 | 6 | 0 | -4.374903 | -2.665028 | -0.062242 |
| 6 | 0 | -6.331253 | -2.531597 | 1.441610 | 6 | 0 | -6.331253 | -2.531597 | 1.441610 |
| 6 | 0 | -2.888241 | -2.865447 | -0.490485 | 6 | 0 | -2.888241 | -2.865447 | -0.490485 |
| 6 | 0 | -4.768623 | -1.413594 | -0.553442 | 6 | 0 | -4.768623 | -1.413594 | -0.553442 |
| 6 | 0 | -6.619916 | -1.219689 | 1.026592 | 6 | 0 | -6.619916 | -1.219689 | 1.026592 |
| 1 | 0 | -6.870144 | -2.986128 | 2.268374 | 1 | 0 | -6.870144 | -2.986128 | 2.268374 |
| 1 | 0 | -2.265951 | -3.160113 | 0.363006 | 1 | 0 | -2.265951 | -3.160113 | 0.363006 |
| 1 | 0 | -2.774522 | -3.647855 | -1.254447 | 1 | 0 | -2.774522 | -3.647855 | -1.254447 |
| 6 | 0 | -2.490246 | -1.453072 | -1.020045 | 6 | 0 | -2.490246 | -1.453072 | -1.020045 |
| 6 | 0 | -3.643417 | -0.705472 | -1.109834 | 6 | 0 | -3.643417 | -0.705472 | -1.109834 |
| 6 | 0 | -5.848424 | -0.719998 | -0.030851 | 6 | 0 | -5.848424 | -0.719998 | -0.030851 |
| 6 | 0 | -7.352615 | -0.000043 | 1.671457 | 6 | 0 | -7.352615 | -0.000043 | 1.671457 |
| 6 | 0 | -1.238648 | 0.744409 | -1.103630 | 6 | 0 | -1.238648 | 0.744409 | -1.103630 |
| 6 | 0 | -3.643419 | 0.705407 | -1.109833 | 6 | 0 | -3.643419 | 0.705407 | -1.109833 |
| 6 | 0 | -5.848458 | 0.719872 | -0.030901 | 6 | 0 | -5.848458 | 0.719872 | -0.030901 |
| 1 | 0 | -7.248727 | 0.000032 | 2.762425 | 1 | 0 | -7.248727 | 0.000032 | 2.762425 |
| 1 | 0 | -8.429404 | -0.000129 | 1.451131 | 1 | 0 | -8.429404 | -0.000129 | 1.451131 |
| 6 | 0 | -6.620070 | 1.219609 | 1.026426 | 6 | 0 | -6.620070 | 1.219609 | 1.026426 |
| 6 | 0 | -1.238618 | -0.744431 | -1.103637 | 6 | 0 | -1.238618 | -0.744431 | -1.103637 |
| 6 | 0 | -4.768661 | 1.413497 | -0.553443 | 6 | 0 | -4.768661 | 1.413497 | -0.553443 |
| 6 | 0 | -2.490288 | 1.453021 | -1.020003 | 6 | 0 | -2.490288 | 1.453021 | -1.020003 |
| 6 | 0 | -6.331624 | 2.531630 | 1.441232 | 6 | 0 | -6.331624 | 2.531630 | 1.441232 |
| 6 | 0 | -4.375053 | 2.665002 | -0.062345 | 6 | 0 | -4.375053 | 2.665002 | -0.062345 |
| 6 | 0 | -2.888288 | 2.865364 | -0.490299 | 6 | 0 | -2.888288 | 2.865364 | -0.490299 |
| 6 | 0 | -5.216519 | 3.250472 | 0.899366 | 6 | 0 | -5.216519 | 3.250472 | 0.899366 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | -6.870611 | 2.986193 | 2.267914 |
| 1 | 0 | -2.266058 | 3.159884 | 0.363283 |
| 1 | 0 | -2.774466 | 3.647853 | -1.254156 |
| 1 | 0 | -4.970844 | 4.210344 | 1.345298 |
| 6 | 0 | 0.000084 | -1.404894 | -1.091749 |
| 6 | 0 | 0.000047 | 1.404846 | -1.091704 |
| 1 | 0 | 0.000036 | -2.491396 | -1.096918 |
| 1 | 0 | 0.000046 | 2.491354 | -1.096896 |

Cor-B2-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 6.169962 | 1.149439 | -0.391352 |
| 6 | 0 | 4.864747 | 0.718733 | -0.726452 |
| 6 | 0 | 4.864752 | -0.718781 | -0.726407 |
| 6 | 0 | 6.169974 | -1.149460 | -0.391298 |
| 6 | 0 | 6.976285 | 0.000000 | -0.184783 |
| 6 | 0 | 6.446092 | 2.382197 | 0.188430 |
| 6 | 0 | 3.742318 | 1.487622 | -0.512189 |
| 6 | 0 | 3.742330 | -1.487666 | -0.512090 |
| 6 | 0 | 6.446115 | -2.382187 | 0.188547 |
| 6 | 0 | 8.109821 | 0.000023 | 0.613220 |
| 6 | 0 | 5.308198 | 3.269293 | 0.249862 |
| 6 | 0 | 4.018614 | 2.839245 | -0.080798 |
| 6 | 0 | 4.018635 | -2.839264 | -0.080630 |
| 6 | 0 | 5.308228 | -3.269290 | 0.250027 |
| 6 | 0 | 7.734335 | -2.450217 | 0.855705 |
| 6 | 0 | 8.524043 | -1.319566 | 1.057525 |
| 6 | 0 | 8.524027 | 1.319636 | 1.057466 |
| 6 | 0 | 7.734309 | 2.450270 | 0.855587 |
| 1 | 0 | 5.430899 | 4.273227 | 0.646942 |
| 1 | 0 | 3.197407 | 3.531110 | 0.080534 |
| 1 | 0 | 3.197435 | -3.531129 | 0.080736 |
| 1 | 0 | 5.430940 | -4.273204 | 0.647156 |
| 1 | 0 | 8.060721 | -3.392814 | 1.286726 |
| 1 | 0 | 9.436757 | -1.422962 | 1.637999 |
| 1 | 0 | 9.436739 | 1.423068 | 1.637937 |
| 1 | 0 | 8.060687 | 3.392892 | 1.286560 |
| 6 | 0 | -3.742077 | -1.487768 | -0.511616 |
| 6 | 0 | -3.742038 | 1.487812 | -0.511641 |
| 6 | 0 | -4.864486 | -0.718711 | -0.725419 |
| 6 | 0 | -4.018522 | -2.839203 | -0.080175 |
| 6 | 0 | -4.864439 | 0.718741 | -0.725370 |
| 6 | 0 | -4.018360 | 2.839286 | -0.080201 |
| 6 | 0 | -6.169698 | -1.149314 | -0.390484 |
| 6 | 0 | -5.308413 | -3.269330 | 0.250088 |
| 1 | 0 | -3.197828 | -3.531692 | 0.080860 |
| 6 | 0 | -6.169633 | 1.149416 | -0.390399 |
| 6 | 0 | -5.308229 | 3.269355 | 0.250264 |
| 1 | 0 | -3.197578 | 3.531634 | 0.080946 |
| 6 | 0 | -6.976193 | 0.000073 | -0.184241 |
| 6 | 0 | -6.446162 | -2.382312 | 0.188692 |
| 1 | 0 | -5.430843 | -4.273428 | 0.646837 |
| 6 | 0 | -6.446020 | 2.382369 | 0.188820 |
| 1 | 0 | -5.430634 | 4.273405 | 0.647085 |
| 6 | 0 | -8.110321 | 0.000049 | 0.612693 |
| 6 | 0 | -7.735021 | -2.450311 | 0.854844 |
| 6 | 0 | -7.734843 | 2.450332 | 0.855054 |
| 6 | 0 | -8.524923 | -1.319766 | 1.056209 |
| 6 | 0 | -8.524804 | 1.319825 | 1.056398 |
| 1 | 0 | -8.061708 | -3.392981 | 1.285493 |
| 1 | 0 | -8.061516 | 3.393008 | 1.285722 |
| 1 | 0 | -9.438093 | -1.423331 | 1.635926 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | -9.437976 | 1.423424 | 1.636108 |
| 6 | 0 | -2.462769 | -0.741909 | -0.552488 |
| 6 | 0 | -1.241174 | -1.401079 | -0.547051 |
| 6 | 0 | -2.462798 | 0.741798 | -0.552520 |
| 6 | 0 | 0.000255 | -0.718384 | -0.544968 |
| 1 | 0 | -1.224796 | -2.487228 | -0.555063 |
| 6 | 0 | -1.241126 | 1.400914 | -0.547114 |
| 6 | 0 | 1.241490 | -1.401108 | -0.546889 |
| 6 | 0 | 0.000283 | 0.718245 | -0.545015 |
| 1 | 0 | -1.224594 | 2.487077 | -0.555168 |
| 6 | 0 | 2.463142 | -0.741843 | -0.552402 |
| 1 | 0 | 1.225451 | -2.487289 | -0.554600 |
| 6 | 0 | 1.241475 | 1.401023 | -0.546978 |
| 6 | 0 | 2.463137 | 0.741775 | -0.552455 |
| 1 | 0 | 1.225434 | 2.487201 | -0.554756 |

Sum-B2-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 6.350999 | 1.149628 | -0.297694 |
| 6 | 0 | 7.145195 | 0.000015 | -0.048602 |
| 6 | 0 | 6.351004 | -1.149594 | -0.297734 |
| 6 | 0 | 5.065610 | -0.719471 | -0.701568 |
| 6 | 0 | 5.065608 | 0.719520 | -0.701519 |
| 6 | 0 | 6.597295 | 2.382848 | 0.295341 |
| 6 | 0 | 8.235493 | 0.000003 | 0.807384 |
| 6 | 0 | 6.597323 | -2.382832 | 0.295239 |
| 6 | 0 | 3.934024 | -1.488923 | -0.546716 |
| 6 | 0 | 3.934010 | 1.488957 | -0.546670 |
| 6 | 0 | 7.849071 | 2.450545 | 1.028486 |
| 6 | 0 | 8.626675 | 1.319699 | 1.271895 |
| 6 | 0 | 8.626683 | -1.319707 | 1.271848 |
| 6 | 0 | 7.849088 | -2.450549 | 1.028392 |
| 6 | 0 | 5.458476 | -3.269886 | 0.297356 |
| 6 | 0 | 4.187744 | -2.839688 | -0.100502 |
| 6 | 0 | 4.187718 | 2.839696 | -0.100368 |
| 6 | 0 | 5.458459 | 3.269893 | 0.297483 |
| 1 | 0 | 8.153086 | 3.393306 | 1.475333 |
| 1 | 0 | 9.508175 | 1.422967 | 1.898821 |
| 1 | 0 | 9.508189 | -1.422988 | 1.898764 |
| 1 | 0 | 8.153108 | -3.393330 | 1.475189 |
| 1 | 0 | 5.560167 | -4.273635 | 0.700894 |
| 1 | 0 | 3.358980 | -3.531137 | 0.018643 |
| 1 | 0 | 3.358953 | 3.531139 | 0.018799 |
| 1 | 0 | 5.560149 | 4.273620 | 0.701075 |
| 1 | 0 | -8.064881 | 2.986053 | 2.173512 |
| 6 | 0 | -7.484518 | 2.531666 | 1.375288 |
| 6 | 0 | -6.343634 | 3.250692 | 0.891005 |
| 6 | 0 | -7.751375 | 1.219466 | 0.946356 |
| 6 | 0 | -5.454416 | 2.665255 | -0.027015 |
| 1 | 0 | -6.121048 | 4.210635 | 1.348609 |
| 6 | 0 | -8.515921 | 0.000029 | 1.553150 |
| 6 | 0 | -6.927100 | 0.719969 | -0.070382 |
| 6 | 0 | -3.948385 | 2.865934 | -0.379093 |
| 6 | 0 | -5.822539 | 1.413916 | -0.537468 |
| 6 | 0 | -7.751379 | -1.219435 | 0.946408 |
| 1 | 0 | -9.579987 | 0.000018 | 1.278023 |
| 1 | 0 | -8.467982 | 0.000052 | 2.647990 |
| 6 | 0 | -6.927106 | -0.719985 | -0.070354 |
| 6 | 0 | -3.524441 | 1.454476 | -0.889985 |
| 1 | 0 | -3.795588 | 3.649295 | -1.135141 |
| 1 | 0 | -3.369750 | 3.158951 | 0.505152 |
| 6 | 0 | -4.670052 | 0.706078 | -1.036276 |

| | | | | | | | | | |
|---|---|-----------|-----------|-----------|---|---|----------|-----------|-----------|
| 6 | 0 | -7.484506 | -2.531606 | 1.375420 | 1 | 0 | 3.511317 | 3.154168 | 0.476387 |
| 6 | 0 | -5.822543 | -1.413958 | -0.537413 | 6 | 0 | 5.616786 | 2.665308 | 0.030152 |
| 6 | 0 | -4.670045 | -0.706156 | -1.036224 | 6 | 0 | 6.005394 | 1.413872 | -0.464191 |
| 6 | 0 | -6.343621 | -3.250655 | 0.891173 | 6 | 0 | 4.874804 | -0.707369 | -1.013559 |
| 1 | 0 | -8.064850 | -2.985945 | 2.173687 | 6 | 0 | 4.126721 | -2.865458 | -0.384221 |
| 6 | 0 | -5.454413 | -2.665265 | -0.026886 | 6 | 0 | 6.467336 | 3.251290 | 0.984071 |
| 6 | 0 | -3.524424 | -1.454555 | -0.889899 | 6 | 0 | 7.089459 | 0.720214 | 0.048833 |
| 1 | 0 | -6.121026 | -4.210569 | 1.348831 | 6 | 0 | 6.005394 | -1.413872 | -0.464191 |
| 6 | 0 | -3.948365 | -2.865958 | -0.378913 | 1 | 0 | 4.004024 | -3.651628 | -1.142876 |
| 1 | 0 | -3.795537 | -3.649380 | -1.134904 | 1 | 0 | 3.511317 | -3.154167 | 0.476388 |
| 1 | 0 | -3.369754 | -3.158956 | 0.505357 | 6 | 0 | 5.616787 | -2.665308 | 0.030152 |
| 1 | 0 | -1.021266 | -2.493984 | -0.845578 | 6 | 0 | 7.586485 | 2.532366 | 1.515993 |
| 6 | 0 | -1.033752 | -1.407256 | -0.841847 | 1 | 0 | 6.226171 | 4.211787 | 1.431064 |
| 6 | 0 | 0.193331 | -0.722163 | -0.778701 | 6 | 0 | 7.089459 | -0.720214 | 0.048833 |
| 6 | 0 | -2.267688 | -0.747574 | -0.912760 | 6 | 0 | 7.870286 | 1.219568 | 1.099006 |
| 6 | 0 | 0.193312 | 0.722161 | -0.778683 | 6 | 0 | 6.467336 | -3.251290 | 0.984071 |
| 6 | 0 | 1.440764 | -1.402585 | -0.715920 | 1 | 0 | 8.133750 | 2.986977 | 2.337183 |
| 6 | 0 | -2.267703 | 0.747508 | -0.912789 | 6 | 0 | 7.870286 | -1.219568 | 1.099006 |
| 6 | 0 | -1.033793 | 1.407218 | -0.841844 | 6 | 0 | 8.608026 | 0.000000 | 1.738139 |
| 6 | 0 | 1.440731 | 1.402596 | -0.715806 | 6 | 0 | 7.586485 | -2.532366 | 1.515994 |
| 6 | 0 | 2.656767 | -0.744901 | -0.656098 | 1 | 0 | 6.226171 | -4.211788 | 1.431063 |
| 1 | 0 | 1.424885 | -2.488889 | -0.725264 | 1 | 0 | 9.683100 | 0.000000 | 1.509718 |
| 1 | 0 | -1.021323 | 2.493945 | -0.845566 | 1 | 0 | 8.512291 | 0.000000 | 2.829890 |
| 6 | 0 | 2.656743 | 0.744921 | -0.656027 | 1 | 0 | 8.133750 | -2.986977 | 2.337183 |
| 1 | 0 | 1.424862 | 2.488899 | -0.725065 | 6 | 0 | 2.467746 | -0.749770 | -0.998409 |

Sum-B2-Sum

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -8.608028 | 0.000000 | 1.738136 |
| 6 | 0 | -4.126720 | 2.865458 | -0.384218 |
| 6 | 0 | -4.126720 | -2.865458 | -0.384219 |
| 1 | 0 | -9.683102 | 0.000000 | 1.509712 |
| 1 | 0 | -8.512295 | 0.000000 | 2.829887 |
| 1 | 0 | -4.004022 | 3.651629 | -1.142872 |
| 1 | 0 | -3.511317 | 3.154165 | 0.476391 |
| 1 | 0 | -4.004023 | -3.651629 | -1.142873 |
| 1 | 0 | -3.511316 | -3.154166 | 0.476390 |
| 6 | 0 | -7.089459 | 0.720214 | 0.048831 |
| 6 | 0 | -6.005393 | 1.413872 | -0.464190 |
| 6 | 0 | -6.005393 | -1.413872 | -0.464190 |
| 6 | 0 | -7.089459 | -0.720214 | 0.048831 |
| 6 | 0 | -4.874803 | -0.707369 | -1.013558 |
| 6 | 0 | -4.874803 | 0.707369 | -1.013558 |
| 6 | 0 | -7.870288 | 1.219568 | 1.099003 |
| 6 | 0 | -5.616786 | 2.665307 | 0.030154 |
| 6 | 0 | -5.616785 | -2.665307 | 0.030155 |
| 6 | 0 | -7.870288 | -1.219569 | 1.099004 |
| 6 | 0 | -3.725926 | -1.455470 | -0.916516 |
| 6 | 0 | -3.725927 | 1.455470 | -0.916516 |
| 6 | 0 | -7.586489 | 2.532367 | 1.515990 |
| 6 | 0 | -6.467336 | 3.251289 | 0.984074 |
| 6 | 0 | -6.467335 | -3.251288 | 0.984075 |
| 6 | 0 | -7.586488 | -2.532367 | 1.515991 |
| 1 | 0 | -8.133756 | 2.986977 | 2.337179 |
| 1 | 0 | -6.226170 | -4.211785 | 1.431068 |
| 1 | 0 | -8.133755 | -2.986977 | 2.337180 |
| 1 | 0 | -6.226171 | 4.211786 | 1.431067 |
| 6 | 0 | 3.725927 | 1.455470 | -0.916517 |
| 6 | 0 | 4.126721 | 2.865458 | -0.384221 |
| 6 | 0 | 4.874804 | 0.707369 | -1.013559 |
| 6 | 0 | 3.725927 | -1.455470 | -0.916517 |
| 1 | 0 | 4.004024 | 3.651628 | -1.142877 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 5.616786 | 2.665308 | 0.030152 |
| 6 | 0 | 6.005394 | 1.413872 | -0.464191 |
| 6 | 0 | 4.874804 | -0.707369 | -1.013559 |
| 6 | 0 | 4.126721 | -2.865458 | -0.384221 |
| 6 | 0 | 6.467336 | 3.251290 | 0.984071 |
| 6 | 0 | 7.089459 | 0.720214 | 0.048833 |
| 6 | 0 | 6.005394 | -1.413872 | -0.464191 |
| 1 | 0 | 4.004024 | -3.651628 | -1.142876 |
| 1 | 0 | 3.511317 | -3.154167 | 0.476388 |
| 6 | 0 | 5.616787 | -2.665308 | 0.030152 |
| 6 | 0 | 7.586485 | 2.532366 | 1.515993 |
| 1 | 0 | 6.226171 | 4.211787 | 1.431064 |
| 6 | 0 | 7.089459 | -0.720214 | 0.048833 |
| 6 | 0 | 7.870286 | 1.219568 | 1.099006 |
| 6 | 0 | 6.467336 | -3.251290 | 0.984071 |
| 1 | 0 | 8.133750 | 2.986977 | 2.337183 |
| 6 | 0 | 7.870286 | -1.219568 | 1.099006 |
| 6 | 0 | 8.608026 | 0.000000 | 1.738139 |
| 6 | 0 | 7.586485 | -2.532366 | 1.515994 |
| 1 | 0 | 6.226171 | -4.211788 | 1.431063 |
| 1 | 0 | 9.683100 | 0.000000 | 1.509718 |
| 1 | 0 | 8.512291 | 0.000000 | 2.829890 |
| 1 | 0 | 8.133750 | -2.986977 | 2.337183 |
| 6 | 0 | 2.467746 | -0.749770 | -0.998409 |
| 6 | 0 | 1.236894 | -1.408358 | -0.989165 |
| 6 | 0 | 2.467746 | 0.749770 | -0.998409 |
| 6 | 0 | 0.000000 | -0.725227 | -0.987758 |
| 1 | 0 | 1.224474 | -2.495178 | -0.994675 |
| 6 | 0 | 1.236894 | 1.408359 | -0.989165 |
| 6 | 0 | 0.000000 | 0.725227 | -0.987758 |
| 6 | 0 | -1.236894 | -1.408359 | -0.989165 |
| 1 | 0 | 1.224474 | 2.495178 | -0.994674 |
| 6 | 0 | -1.236894 | 1.408358 | -0.989165 |
| 6 | 0 | -2.467745 | -0.749770 | -0.998410 |
| 1 | 0 | -1.224474 | -2.495178 | -0.994674 |
| 6 | 0 | -2.467746 | 0.749770 | -0.998409 |
| 1 | 0 | -1.224474 | 2.495178 | -0.994674 |

Cor-B3-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -7.402023 | -1.149639 | -0.350152 |
| 6 | 0 | -6.095269 | -0.719710 | -0.677367 |
| 6 | 0 | -6.095278 | 0.719641 | -0.677432 |
| 6 | 0 | -7.402036 | 1.149583 | -0.350258 |
| 6 | 0 | -8.209380 | -0.000024 | -0.148612 |
| 6 | 0 | -7.683285 | -2.383205 | 0.226337 |
| 6 | 0 | -4.975217 | -1.489743 | -0.458015 |
| 6 | 0 | -4.975234 | 1.489710 | -0.458147 |
| 6 | 0 | -7.683311 | 2.383198 | 0.226122 |
| 6 | 0 | -9.349006 | 0.000004 | 0.640471 |
| 6 | 0 | -6.546720 | -3.270514 | 0.294737 |
| 6 | 0 | -5.254596 | -2.840564 | -0.027928 |
| 6 | 0 | -5.254630 | 2.840564 | -0.028188 |
| 6 | 0 | -6.546762 | 3.270528 | 0.294439 |
| 6 | 0 | -8.976447 | 2.450805 | 0.883731 |
| 6 | 0 | -9.767035 | 1.319906 | 1.080593 |
| 6 | 0 | -9.767022 | -1.319862 | 1.080707 |
| 6 | 0 | -8.976420 | -2.450770 | 0.883946 |
| 1 | 0 | -6.672007 | -4.274456 | 0.690989 |
| 1 | 0 | -4.434514 | -3.532478 | 0.138850 |
| 1 | 0 | -4.434562 | 3.532511 | 0.138523 |

| | | | | | | | | | |
|-------------------|---|------------|-----------|-----------|---|---|------------|-----------|-----------|
| 1 | 0 | -6.672061 | 4.274505 | 0.690596 | 6 | 0 | 5.176842 | -1.490345 | -0.465112 |
| 1 | 0 | -9.306706 | 3.393575 | 1.311426 | 6 | 0 | 5.176879 | 1.490303 | -0.465239 |
| 1 | 0 | -10.684250 | 1.423401 | 1.653912 | 6 | 0 | 9.111329 | 2.450944 | 1.061587 |
| 1 | 0 | -10.684234 | -1.423318 | 1.654037 | 6 | 0 | 9.891597 | 1.319924 | 1.295533 |
| 1 | 0 | -9.306668 | -3.393505 | 1.311729 | 6 | 0 | 9.891618 | -1.319922 | 1.295561 |
| 6 | 0 | 4.975199 | 1.489760 | -0.457879 | 6 | 0 | 9.111302 | -2.450938 | 1.061750 |
| 6 | 0 | 4.975191 | -1.489706 | -0.458041 | 6 | 0 | 6.712014 | -3.270806 | 0.360415 |
| 6 | 0 | 6.095229 | 0.719707 | -0.677243 | 6 | 0 | 5.436240 | -2.840766 | -0.022096 |
| 6 | 0 | 5.254602 | 2.840571 | -0.027792 | 6 | 0 | 5.436306 | 2.840787 | -0.022411 |
| 6 | 0 | 6.095232 | -0.719640 | -0.677337 | 6 | 0 | 6.712084 | 3.270851 | 0.360091 |
| 6 | 0 | 5.254614 | -2.840577 | -0.028150 | 1 | 0 | 9.421610 | 3.393817 | 1.503856 |
| 6 | 0 | 7.402002 | 1.149632 | -0.350119 | 1 | 0 | 10.781261 | 1.423335 | 1.910782 |
| 6 | 0 | 6.546755 | 3.270522 | 0.294779 | 1 | 0 | 10.781269 | -1.423301 | 1.910837 |
| 1 | 0 | 4.434536 | 3.532495 | 0.139012 | 1 | 0 | 9.421557 | -3.393778 | 1.504106 |
| 6 | 0 | 7.402004 | -1.149582 | -0.350209 | 1 | 0 | 6.818703 | -4.274651 | 0.762395 |
| 6 | 0 | 6.546742 | -3.270533 | 0.294459 | 1 | 0 | 4.609157 | -3.532438 | 0.106959 |
| 1 | 0 | 4.434550 | -3.532530 | 0.138569 | 1 | 0 | 4.609249 | 3.532510 | 0.106509 |
| 6 | 0 | 8.209364 | 0.000017 | -0.148626 | 1 | 0 | 6.818790 | 4.274739 | 0.761953 |
| 6 | 0 | 7.683312 | 2.383211 | 0.226314 | 1 | 0 | -9.277977 | 2.986783 | 2.247832 |
| 1 | 0 | 6.672073 | 4.274471 | 0.691003 | 6 | 0 | -8.699846 | 2.532308 | 1.448045 |
| 6 | 0 | 7.683308 | -2.383202 | 0.226135 | 6 | 0 | -7.561363 | 3.251431 | 0.959456 |
| 1 | 0 | 6.672064 | -4.274521 | 0.690582 | 6 | 0 | -8.967486 | 1.219442 | 1.020420 |
| 6 | 0 | 9.349050 | -0.000017 | 0.640374 | 6 | 0 | -6.675003 | 2.665539 | 0.038534 |
| 6 | 0 | 8.976519 | 2.450778 | 0.883798 | 1 | 0 | -7.337556 | 4.211855 | 1.415447 |
| 6 | 0 | 8.976465 | -2.450812 | 0.883689 | 6 | 0 | -9.729236 | -0.000012 | 1.630577 |
| 6 | 0 | 9.767122 | 1.319866 | 1.080525 | 6 | 0 | -8.147148 | 0.720285 | 0.000817 |
| 6 | 0 | 9.767079 | -1.319913 | 1.080493 | 6 | 0 | -5.170544 | 2.865840 | -0.318890 |
| 1 | 0 | 9.306814 | 3.393515 | 1.311538 | 6 | 0 | -7.044538 | 1.414210 | -0.470356 |
| 1 | 0 | 9.306758 | -3.393579 | 1.311363 | 6 | 0 | -8.967504 | -1.219441 | 1.020340 |
| 1 | 0 | 10.684375 | 1.423332 | 1.653788 | 1 | 0 | -10.794592 | 0.000011 | 1.360473 |
| 1 | 0 | 10.684328 | -1.423418 | 1.653755 | 1 | 0 | -9.676205 | -0.000048 | 2.725197 |
| 6 | 0 | 3.693221 | 0.745961 | -0.496205 | 6 | 0 | -8.147161 | -0.720237 | 0.000766 |
| 6 | 0 | 3.693219 | -0.745925 | -0.496275 | 6 | 0 | -4.749951 | 1.456172 | -0.836184 |
| 6 | 0 | 2.477445 | 1.403833 | -0.491403 | 1 | 0 | -5.019251 | 3.652045 | -1.072339 |
| 6 | 0 | 2.477450 | -1.403817 | -0.491482 | 1 | 0 | -4.588083 | 3.154674 | 0.564300 |
| 6 | 0 | 1.226002 | 0.724417 | -0.491154 | 6 | 0 | -5.893572 | 0.707820 | -0.976164 |
| 1 | 0 | 2.461527 | 2.490027 | -0.498831 | 6 | 0 | -8.699888 | -2.532340 | 1.447872 |
| 6 | 0 | 1.226008 | -0.724407 | -0.491175 | 6 | 0 | -7.044562 | -1.414151 | -0.470447 |
| 1 | 0 | 2.461538 | -2.490009 | -0.498971 | 6 | 0 | -5.893583 | -0.707740 | -0.976215 |
| 6 | 0 | -0.000020 | 1.408873 | -0.493189 | 6 | 0 | -7.561413 | -3.251445 | 0.959241 |
| 6 | 0 | -0.000014 | -1.408870 | -0.493196 | 1 | 0 | -9.278038 | -2.986865 | 2.247616 |
| 6 | 0 | -1.226028 | 0.724411 | -0.491213 | 6 | 0 | -6.675040 | -2.665522 | 0.038351 |
| 1 | 0 | -0.000017 | 2.495910 | -0.495637 | 6 | 0 | -4.749983 | -1.456118 | -0.836300 |
| 6 | 0 | -1.226025 | -0.724414 | -0.491201 | 1 | 0 | -7.337638 | -4.211916 | 1.415153 |
| 1 | 0 | -0.000002 | -2.495907 | -0.495651 | 6 | 0 | -5.170606 | -2.865847 | -0.319149 |
| 6 | 0 | -2.477485 | 1.403817 | -0.491554 | 1 | 0 | -5.019368 | -3.651950 | -1.072718 |
| 6 | 0 | -2.477473 | -1.403834 | -0.491497 | 1 | 0 | -4.588110 | -3.154809 | 0.563972 |
| 6 | 0 | -3.693247 | 0.745934 | -0.496379 | 6 | 0 | -3.488648 | -0.750591 | -0.870893 |
| 1 | 0 | -2.461561 | 2.490010 | -0.499043 | 6 | 0 | -2.261018 | -1.409489 | -0.815426 |
| 6 | 0 | -3.693246 | -0.745969 | -0.496329 | 6 | 0 | -3.488631 | 0.750611 | -0.870833 |
| 1 | 0 | -2.461529 | -2.490027 | -0.498939 | 6 | 0 | -1.022381 | -0.727358 | -0.767401 |
| | | | | | 1 | 0 | -2.248852 | -2.496181 | -0.819131 |
| | | | | | 6 | 0 | -2.260992 | 1.409513 | -0.815319 |
| | | | | | 6 | 0 | -1.022363 | 0.727364 | -0.767352 |
| | | | | | 6 | 0 | 0.210823 | -1.409746 | -0.719576 |
| | | | | | 1 | 0 | -2.248821 | 2.496203 | -0.818939 |
| | | | | | 6 | 0 | 0.210848 | 1.409733 | -0.719497 |
| | | | | | 6 | 0 | 1.430596 | -0.726140 | -0.666582 |
| | | | | | 1 | 0 | 0.211101 | -2.496867 | -0.722283 |
| | | | | | 6 | 0 | 1.430615 | 0.726111 | -0.666555 |
| | | | | | 1 | 0 | 0.211144 | 2.496854 | -0.722146 |
| | | | | | 6 | 0 | 2.684154 | -1.404796 | -0.612507 |
| Sum-B3-Cor | | | | | | | | | |
| 6 | 0 | 7.595635 | 1.149676 | -0.244038 | | | | | |
| 6 | 0 | 8.392596 | -0.000022 | -0.004517 | | | | | |
| 6 | 0 | 7.595627 | -1.149726 | -0.243976 | | | | | |
| 6 | 0 | 6.305752 | -0.720070 | -0.632169 | | | | | |
| 6 | 0 | 6.305758 | 0.720003 | -0.632221 | | | | | |
| 6 | 0 | 7.850187 | 2.383521 | 0.344661 | | | | | |
| 6 | 0 | 9.494113 | -0.000010 | 0.836857 | | | | | |
| 6 | 0 | 7.850152 | -2.383526 | 0.344835 | | | | | |

| | | | | |
|---|---|----------|-----------|-----------|
| 6 | 0 | 2.684191 | 1.404743 | -0.612502 |
| 1 | 0 | 2.668425 | -2.491068 | -0.620623 |
| 6 | 0 | 3.897065 | -0.747522 | -0.562741 |
| 6 | 0 | 3.897095 | 0.747502 | -0.562800 |
| 1 | 0 | 2.668471 | 2.491019 | -0.620650 |

Sum-B3-Sum

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 9.850587 | 0.000023 | 1.802880 |
| 6 | 0 | 5.361671 | -2.865503 | -0.301427 |
| 6 | 0 | 5.361631 | 2.865494 | -0.301497 |
| 1 | 0 | 10.924772 | 0.000040 | 1.570237 |
| 1 | 0 | 9.759322 | 0.000020 | 2.895007 |
| 1 | 0 | 5.235295 | -3.653220 | -1.057906 |
| 1 | 0 | 4.749208 | -3.152023 | 0.562042 |
| 1 | 0 | 5.235266 | 3.653237 | -1.057947 |
| 1 | 0 | 4.749184 | 3.152003 | 0.561991 |
| 6 | 0 | 8.325416 | -0.720387 | 0.119824 |
| 6 | 0 | 7.239486 | -1.414096 | -0.388795 |
| 6 | 0 | 7.239473 | 1.414098 | -0.388827 |
| 6 | 0 | 8.325405 | 0.720401 | 0.119819 |
| 6 | 0 | 6.106549 | 0.708429 | -0.935251 |
| 6 | 0 | 6.106550 | -0.708441 | -0.935237 |
| 6 | 0 | 9.110468 | -1.219516 | 1.166672 |
| 6 | 0 | 6.853126 | -2.665569 | 0.106957 |
| 6 | 0 | 6.853095 | 2.665556 | 0.106931 |
| 6 | 0 | 9.110438 | 1.219542 | 1.166672 |
| 6 | 0 | 4.959735 | 1.456623 | -0.835003 |
| 6 | 0 | 4.959750 | -1.456624 | -0.834964 |
| 6 | 0 | 8.828802 | -2.532704 | 1.584646 |
| 6 | 0 | 7.707857 | -3.251746 | 1.057261 |
| 6 | 0 | 7.707791 | 3.251752 | 1.057254 |
| 6 | 0 | 8.828747 | 2.532730 | 1.584640 |
| 1 | 0 | 9.379737 | -2.987393 | 2.403317 |
| 1 | 0 | 7.468780 | 4.212484 | 1.504866 |
| 1 | 0 | 9.379677 | 2.987436 | 2.403306 |
| 1 | 0 | 7.468850 | -4.212466 | 1.504904 |
| 6 | 0 | -4.959787 | -1.456623 | -0.835107 |
| 6 | 0 | -5.361707 | -2.865507 | -0.301570 |
| 6 | 0 | -6.106606 | -0.708423 | -0.935338 |
| 6 | 0 | -4.959790 | 1.456636 | -0.835101 |
| 1 | 0 | -5.235337 | -3.653247 | -1.058025 |
| 1 | 0 | -4.749211 | -3.151999 | 0.561889 |
| 6 | 0 | -6.853119 | -2.665546 | 0.106881 |
| 6 | 0 | -7.239513 | -1.414091 | -0.388849 |
| 6 | 0 | -6.106605 | 0.708428 | -0.935333 |
| 6 | 0 | -5.361699 | 2.865504 | -0.301546 |
| 6 | 0 | -7.707757 | -3.251755 | 1.057263 |
| 6 | 0 | -8.325415 | -0.720395 | 0.119868 |
| 6 | 0 | -7.239511 | 1.414093 | -0.388841 |
| 1 | 0 | -5.235318 | 3.653268 | -1.057973 |
| 1 | 0 | -4.749212 | 3.151972 | 0.561929 |
| 6 | 0 | -6.853118 | 2.665544 | 0.106899 |
| 6 | 0 | -8.828676 | -2.532740 | 1.584712 |
| 1 | 0 | -7.468682 | -4.212479 | 1.504855 |
| 6 | 0 | -8.325414 | 0.720394 | 0.119872 |
| 6 | 0 | -9.110371 | -1.219540 | 1.166774 |
| 6 | 0 | -7.707760 | 3.251753 | 1.057277 |
| 1 | 0 | -9.379551 | -2.987418 | 2.403430 |
| 6 | 0 | -9.110371 | 1.219534 | 1.166778 |
| 6 | 0 | -9.850409 | -0.000003 | 1.803090 |
| 6 | 0 | -8.828680 | 2.532736 | 1.584719 |

| | | | | |
|---|---|------------|-----------|-----------|
| 1 | 0 | -7.468688 | 4.212478 | 1.504868 |
| 1 | 0 | -10.924630 | -0.000002 | 1.570627 |
| 1 | 0 | -9.758962 | -0.000006 | 2.895205 |
| 1 | 0 | -9.379561 | 2.987410 | 2.403435 |
| 6 | 0 | -3.698616 | -0.751833 | -0.916367 |
| 6 | 0 | -3.698615 | 0.751839 | -0.916360 |
| 6 | 0 | -2.472236 | -1.410329 | -0.908270 |
| 6 | 0 | -2.472231 | 1.410334 | -0.908261 |
| 6 | 0 | -1.228951 | -0.728701 | -0.908739 |
| 1 | 0 | -2.460079 | -2.497092 | -0.912804 |
| 6 | 0 | -1.228951 | 0.728699 | -0.908733 |
| 1 | 0 | -2.460068 | 2.497096 | -0.912788 |
| 6 | 0 | -0.000030 | -1.410371 | -0.910901 |
| 6 | 0 | -0.000025 | 1.410363 | -0.910892 |
| 6 | 0 | 1.228893 | -0.728713 | -0.908726 |
| 1 | 0 | -0.000041 | -2.497556 | -0.914373 |
| 6 | 0 | 1.228898 | 0.728698 | -0.908725 |
| 1 | 0 | -0.000027 | 2.497548 | -0.914358 |
| 6 | 0 | 2.472177 | -1.410348 | -0.908234 |
| 6 | 0 | 2.472182 | 1.410333 | -0.908243 |
| 6 | 0 | 3.698551 | -0.751846 | -0.916280 |
| 1 | 0 | 2.460023 | -2.497109 | -0.912823 |
| 6 | 0 | 3.698554 | 0.751806 | -0.916287 |
| 1 | 0 | 2.460033 | 2.497089 | -0.912812 |

Cor-B4-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 8.634058 | 1.149692 | -0.314816 |
| 6 | 0 | 7.326667 | 0.720142 | -0.638365 |
| 6 | 0 | 7.326670 | -0.720150 | -0.638358 |
| 6 | 0 | 8.634062 | -1.149693 | -0.314804 |
| 6 | 0 | 9.441865 | 0.000002 | -0.115448 |
| 6 | 0 | 8.917783 | 2.383764 | 0.259893 |
| 6 | 0 | 6.207736 | 1.490861 | -0.416933 |
| 6 | 0 | 6.207739 | -1.490868 | -0.416917 |
| 6 | 0 | 8.917791 | -2.383759 | 0.259916 |
| 6 | 0 | 10.584311 | 0.000007 | 0.669430 |
| 6 | 0 | 7.781938 | 3.271246 | 0.331258 |
| 6 | 0 | 6.488628 | 2.841376 | 0.012246 |
| 6 | 0 | 6.488637 | -2.841381 | 0.012272 |
| 6 | 0 | 7.781948 | -3.271244 | 0.331286 |
| 6 | 0 | 10.213171 | -2.451083 | 0.913083 |
| 6 | 0 | 11.004132 | -1.320033 | 1.107614 |
| 6 | 0 | 11.004128 | 1.320054 | 1.107600 |
| 6 | 0 | 10.213164 | 2.451099 | 0.913058 |
| 1 | 0 | 7.908443 | 4.275265 | 0.726930 |
| 1 | 0 | 5.669122 | 3.533410 | 0.181340 |
| 1 | 0 | 5.669135 | -3.533418 | 0.181367 |
| 1 | 0 | 7.908459 | -4.275261 | 0.726962 |
| 1 | 0 | 10.545270 | -3.393914 | 1.339227 |
| 1 | 0 | 11.923440 | -1.423548 | 1.677566 |
| 1 | 0 | 11.923438 | 1.423577 | 1.677548 |
| 1 | 0 | 10.545260 | 3.393937 | 1.339191 |
| 6 | 0 | -6.207706 | -1.490862 | -0.416769 |
| 6 | 0 | -6.207717 | 1.490917 | -0.416864 |
| 6 | 0 | -7.326614 | -0.720114 | -0.638132 |
| 6 | 0 | -6.488649 | -2.841437 | 0.012218 |
| 6 | 0 | -7.326606 | 0.720152 | -0.638157 |
| 6 | 0 | -6.488673 | 2.841520 | 0.011928 |
| 6 | 0 | -8.634020 | -1.149655 | -0.314681 |
| 6 | 0 | -7.781991 | -3.271318 | 0.331084 |
| 1 | 0 | -5.669183 | -3.533550 | 0.181186 |

| | | | | | | | | | |
|---|---|------------|-----------|-----------|---|---|------------|-----------|-----------|
| 6 | 0 | -8.634001 | 1.149701 | -0.314610 | 6 | 0 | -6.681972 | -2.841405 | 0.038843 |
| 6 | 0 | -7.781927 | 3.271306 | 0.331209 | 6 | 0 | -7.960907 | -3.271362 | 0.411285 |
| 1 | 0 | -5.669165 | 3.533577 | 0.180907 | 1 | 0 | -10.679711 | -3.394069 | 1.532967 |
| 6 | 0 | -9.441799 | 0.000030 | -0.115294 | 1 | 0 | -12.042305 | -1.423493 | 1.929010 |
| 6 | 0 | -8.917824 | -2.383793 | 0.259825 | 1 | 0 | -12.042347 | 1.423448 | 1.929001 |
| 1 | 0 | -7.908544 | -4.275396 | 0.726592 | 1 | 0 | -10.679756 | 3.394043 | 1.533035 |
| 6 | 0 | -8.917770 | 2.383787 | 0.259997 | 1 | 0 | -8.070831 | 4.275265 | 0.812385 |
| 1 | 0 | -7.908415 | 4.275363 | 0.726794 | 1 | 0 | -5.856037 | 3.533228 | 0.174470 |
| 6 | 0 | -10.584355 | 0.000008 | 0.669424 | 1 | 0 | -5.856026 | -3.533190 | 0.174347 |
| 6 | 0 | -10.213289 | -2.451147 | 0.912807 | 1 | 0 | -8.070833 | -4.275272 | 0.812211 |
| 6 | 0 | -10.213182 | 2.451118 | 0.913075 | 1 | 0 | 10.489707 | -2.987201 | 2.315943 |
| 6 | 0 | -11.004249 | -1.320087 | 1.107375 | 6 | 0 | 9.914355 | -2.532635 | 1.514208 |
| 6 | 0 | -11.004178 | 1.320059 | 1.107568 | 6 | 0 | 8.778123 | -3.251767 | 1.021031 |
| 1 | 0 | -10.545486 | -3.394007 | 1.338813 | 6 | 0 | 10.183291 | -1.219406 | 1.087855 |
| 1 | 0 | -10.545345 | 3.393954 | 1.339166 | 6 | 0 | 7.895203 | -2.665653 | 0.096720 |
| 1 | 0 | -11.923631 | -1.423664 | 1.677197 | 1 | 0 | 8.552762 | -4.212482 | 1.475637 |
| 1 | 0 | -11.923527 | 1.423645 | 1.677437 | 6 | 0 | 10.942365 | 0.000035 | 1.701309 |
| 6 | 0 | -2.455615 | -0.726671 | -0.450109 | 6 | 0 | 9.367137 | -0.720411 | 0.065081 |
| 6 | 0 | -2.455617 | 0.726617 | -0.450163 | 6 | 0 | 6.392359 | -2.865805 | -0.266745 |
| 6 | 0 | -1.236847 | -1.410786 | -0.452341 | 6 | 0 | 8.266521 | -1.414308 | -0.410551 |
| 6 | 0 | -1.236871 | 1.410736 | -0.452414 | 6 | 0 | 10.183301 | 1.219445 | 1.087779 |
| 6 | 0 | 0.000001 | -0.729425 | -0.452285 | 1 | 0 | 12.008929 | 0.000022 | 1.436012 |
| 1 | 0 | -1.237616 | -2.497787 | -0.453740 | 1 | 0 | 10.884437 | 0.000069 | 2.795694 |
| 6 | 0 | 0.000006 | 0.729378 | -0.452315 | 6 | 0 | 9.367141 | 0.720393 | 0.065038 |
| 1 | 0 | -1.237532 | 2.497740 | -0.453869 | 6 | 0 | 5.974595 | -1.457068 | -0.788201 |
| 6 | 0 | 1.236902 | -1.410791 | -0.452385 | 1 | 0 | 6.243440 | -3.653487 | -1.019136 |
| 6 | 0 | 1.236888 | 1.410761 | -0.452438 | 1 | 0 | 5.806024 | -3.152425 | 0.614651 |
| 6 | 0 | 2.455637 | -0.726705 | -0.450215 | 6 | 0 | 7.117497 | -0.708685 | -0.922487 |
| 1 | 0 | 1.237526 | -2.497801 | -0.453803 | 6 | 0 | 9.914378 | 2.532705 | 1.514046 |
| 6 | 0 | 2.455633 | 0.726681 | -0.450238 | 6 | 0 | 8.266531 | 1.414268 | -0.410637 |
| 1 | 0 | 1.237509 | 2.497768 | -0.453895 | 6 | 0 | 7.117501 | 0.708621 | -0.922533 |
| 6 | 0 | 3.711384 | -1.405367 | -0.450142 | 6 | 0 | 8.778150 | 3.251813 | 1.020826 |
| 6 | 0 | 3.711380 | 1.405351 | -0.450171 | 1 | 0 | 10.489735 | 2.987318 | 2.315751 |
| 6 | 0 | 4.924490 | -0.748203 | -0.454450 | 6 | 0 | 7.895222 | 2.665645 | 0.096558 |
| 1 | 0 | 3.695251 | -2.491588 | -0.457651 | 6 | 0 | 5.974602 | 1.457019 | -0.788288 |
| 6 | 0 | 4.924486 | 0.748190 | -0.454462 | 1 | 0 | 8.552795 | 4.212557 | 1.475375 |
| 1 | 0 | 3.695243 | 2.491570 | -0.457702 | 6 | 0 | 6.392377 | 2.865782 | -0.266907 |
| 6 | 0 | -3.711352 | -1.405315 | -0.449973 | 1 | 0 | 6.243456 | 3.653423 | -1.019340 |
| 6 | 0 | -3.711350 | 1.405325 | -0.450085 | 1 | 0 | 5.806048 | 3.152451 | 0.614477 |
| 6 | 0 | -4.924451 | -0.748171 | -0.454264 | 6 | 0 | 4.711121 | 0.752322 | -0.831690 |
| 1 | 0 | -3.695232 | -2.491531 | -0.457478 | 6 | 0 | 3.486462 | 1.410785 | -0.786823 |
| 6 | 0 | -4.924459 | 0.748200 | -0.454306 | 6 | 0 | 4.711116 | -0.752366 | -0.831652 |
| 1 | 0 | -3.695162 | 2.491525 | -0.457644 | 6 | 0 | 2.242628 | 0.729178 | -0.748822 |

Sum-B4-Cor

| | | | | | | | | | |
|---|---|------------|-----------|-----------|---|---|-----------|-----------|-----------|
| 6 | 0 | -8.838780 | -1.149743 | -0.199038 | 6 | 0 | 3.474111 | 2.497478 | -0.790901 |
| 6 | 0 | -9.637514 | 0.000008 | 0.034219 | 6 | 0 | 3.486454 | -1.410821 | -0.786767 |
| 6 | 0 | -8.838777 | 1.149776 | -0.198985 | 6 | 0 | 2.242622 | -0.729205 | -0.748810 |
| 6 | 0 | -7.546068 | 0.720363 | -0.576930 | 6 | 0 | 1.016501 | 1.411347 | -0.711569 |
| 6 | 0 | -7.546070 | -0.720321 | -0.576993 | 1 | 0 | 3.474098 | -2.497514 | -0.790797 |
| 6 | 0 | -9.098519 | -2.383904 | 0.387046 | 6 | 0 | 1.016491 | -1.411367 | -0.711581 |
| 6 | 0 | -10.746074 | -0.000012 | 0.866214 | 6 | 0 | -0.214508 | 0.730676 | -0.670370 |
| 6 | 0 | -9.098513 | 2.383917 | 0.387141 | 1 | 0 | 1.016917 | 2.498421 | -0.713407 |
| 6 | 0 | -6.418912 | 1.491142 | -0.401804 | 6 | 0 | -0.214516 | -0.730684 | -0.670400 |
| 6 | 0 | -6.418912 | -1.491098 | -0.401891 | 1 | 0 | 1.016897 | -2.498440 | -0.713409 |
| 6 | 0 | -10.365531 | -2.451159 | 1.093548 | 6 | 0 | -1.454423 | 1.411461 | -0.627510 |
| 6 | 0 | -11.147512 | -1.320044 | 1.321258 | 6 | 0 | -1.454436 | -1.411469 | -0.627639 |
| 6 | 0 | -11.147546 | 1.320028 | 1.321256 | 1 | 0 | -1.455139 | 2.498528 | -0.628818 |
| 6 | 0 | -10.365576 | 2.451145 | 1.093591 | 6 | 0 | -2.669784 | 0.727687 | -0.581611 |
| 6 | 0 | -7.960913 | 3.271361 | 0.411442 | 6 | 0 | -2.669793 | -0.727691 | -0.581704 |
| 6 | 0 | -6.681963 | 2.841420 | 0.038979 | 1 | 0 | -1.455129 | -2.498537 | -0.629021 |
| | | | | | 1 | 0 | -3.910449 | -2.492106 | -0.542601 |
| | | | | | 6 | 0 | -3.926330 | -1.405830 | -0.534486 |
| | | | | | 6 | 0 | -5.137807 | -0.749003 | -0.491423 |

| | | | | |
|---|---|-----------|----------|-----------|
| 6 | 0 | -5.137807 | 0.749028 | -0.491345 |
| 6 | 0 | -3.926314 | 1.405830 | -0.534296 |
| 1 | 0 | -3.910390 | 2.492111 | -0.542242 |

Sum-B4-Sum

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 11.086823 | 0.000082 | 1.863948 |
| 6 | 0 | 6.595256 | -2.865569 | -0.233247 |
| 6 | 0 | 6.595124 | 2.865575 | -0.233260 |
| 1 | 0 | 12.160733 | 0.000124 | 1.630056 |
| 1 | 0 | 10.996858 | 0.000055 | 2.956186 |
| 1 | 0 | 6.467174 | -3.654095 | -0.988586 |
| 1 | 0 | 5.984112 | -3.150843 | 0.631600 |
| 1 | 0 | 6.467051 | 3.654062 | -0.988647 |
| 1 | 0 | 5.983922 | 3.150870 | 0.631534 |
| 6 | 0 | 9.559257 | -0.720407 | 0.183148 |
| 6 | 0 | 8.472594 | -1.414154 | -0.323718 |
| 6 | 0 | 8.472521 | 1.414246 | -0.323689 |
| 6 | 0 | 9.559218 | 0.720546 | 0.183173 |
| 6 | 0 | 7.338607 | 0.709016 | -0.868985 |
| 6 | 0 | 7.338637 | -0.708982 | -0.868992 |
| 6 | 0 | 10.346020 | -1.219451 | 1.228587 |
| 6 | 0 | 8.087293 | -2.665679 | 0.172527 |
| 6 | 0 | 8.087135 | 2.665732 | 0.172593 |
| 6 | 0 | 10.345934 | 1.219595 | 1.228644 |
| 6 | 0 | 6.192788 | 1.457237 | -0.767482 |
| 6 | 0 | 6.192858 | -1.457270 | -0.767487 |
| 6 | 0 | 10.065457 | -2.532962 | 1.646735 |
| 6 | 0 | 8.943856 | -3.252051 | 1.121202 |
| 6 | 0 | 8.943629 | 3.252100 | 1.121334 |
| 6 | 0 | 10.065265 | 2.533060 | 1.646862 |
| 1 | 0 | 10.618018 | -2.987706 | 2.464270 |
| 1 | 0 | 8.705536 | 4.212997 | 1.569064 |
| 1 | 0 | 10.617787 | 2.987807 | 2.464422 |
| 1 | 0 | 8.705822 | -4.212973 | 1.568910 |
| 6 | 0 | -6.192857 | -1.457297 | -0.767512 |
| 6 | 0 | -6.595204 | -2.865554 | -0.233092 |
| 6 | 0 | -7.338647 | -0.709030 | -0.869072 |
| 6 | 0 | -6.192837 | 1.457231 | -0.767606 |
| 1 | 0 | -6.467118 | -3.654190 | -0.988327 |
| 1 | 0 | -5.984006 | -3.150696 | 0.631755 |
| 6 | 0 | -8.087201 | -2.665631 | 0.172723 |
| 6 | 0 | -8.472576 | -1.414204 | -0.323690 |
| 6 | 0 | -7.338638 | 0.708975 | -0.869117 |
| 6 | 0 | -6.595164 | 2.865528 | -0.233276 |
| 6 | 0 | -8.943660 | -3.251920 | 1.121559 |
| 6 | 0 | -9.559282 | -0.720457 | 0.183116 |
| 6 | 0 | -8.472557 | 1.414201 | -0.323780 |
| 1 | 0 | -6.467065 | 3.654113 | -0.988562 |
| 1 | 0 | -5.983959 | 3.150716 | 0.631551 |
| 6 | 0 | -8.087163 | 2.665652 | 0.172553 |
| 6 | 0 | -10.065320 | -2.532861 | 1.646972 |
| 1 | 0 | -8.705543 | -4.212782 | 1.569346 |
| 6 | 0 | -9.559272 | 0.720501 | 0.183070 |
| 6 | 0 | -10.346012 | -1.219443 | 1.228596 |
| 6 | 0 | -8.943613 | 3.252013 | 1.121353 |
| 1 | 0 | -10.617890 | -2.987529 | 2.464544 |
| 6 | 0 | -10.345994 | 1.219563 | 1.228519 |
| 6 | 0 | -11.087007 | 0.000086 | 1.863730 |
| 6 | 0 | -10.065283 | 2.533003 | 1.646813 |
| 1 | 0 | -8.705482 | 4.212900 | 1.569079 |
| 1 | 0 | -12.160885 | 0.000086 | 1.629708 |

| | | | | |
|---|---|------------|-----------|-----------|
| 1 | 0 | -10.997160 | 0.000120 | 2.955982 |
| 1 | 0 | -10.617847 | 2.987732 | 2.464355 |
| 6 | 0 | -4.930158 | -0.753075 | -0.848967 |
| 6 | 0 | -4.930147 | 0.752984 | -0.849016 |
| 6 | 0 | -3.705972 | -1.411313 | -0.842047 |
| 6 | 0 | -3.705954 | 1.411205 | -0.842134 |
| 6 | 0 | -2.459552 | -0.730088 | -0.843332 |
| 1 | 0 | -3.693693 | -2.498057 | -0.846604 |
| 6 | 0 | -2.459539 | 0.729960 | -0.843375 |
| 1 | 0 | -3.693661 | 2.497949 | -0.846759 |
| 6 | 0 | -1.235549 | -1.411999 | -0.845963 |
| 6 | 0 | -1.235536 | 1.411859 | -0.846044 |
| 6 | 0 | -0.000006 | -0.731833 | -0.845876 |
| 1 | 0 | -1.236012 | -2.499119 | -0.848020 |
| 6 | 0 | 0.000002 | 0.731671 | -0.845915 |
| 1 | 0 | -1.235993 | 2.498979 | -0.848165 |
| 6 | 0 | 1.235546 | -1.411987 | -0.845972 |
| 6 | 0 | 1.235530 | 1.411828 | -0.846037 |
| 6 | 0 | 2.459565 | -0.730062 | -0.843357 |
| 1 | 0 | 1.236038 | -2.499109 | -0.848059 |
| 6 | 0 | 2.459534 | 0.729956 | -0.843381 |
| 1 | 0 | 1.235998 | 2.498961 | -0.848171 |
| 6 | 0 | 3.705946 | 1.411179 | -0.842157 |
| 6 | 0 | 4.930146 | 0.752994 | -0.848938 |
| 1 | 0 | 3.693653 | 2.497920 | -0.846893 |
| 6 | 0 | 4.930179 | -0.753073 | -0.848923 |
| 6 | 0 | 3.705973 | -1.411274 | -0.842120 |
| 1 | 0 | 3.693666 | -2.498012 | -0.846739 |

Cor-B5-Cor

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 9.866054 | 1.149801 | -0.283451 |
| 6 | 0 | 8.558430 | 0.720474 | -0.605440 |
| 6 | 0 | 8.558444 | -0.720308 | -0.605572 |
| 6 | 0 | 9.866078 | -1.149669 | -0.283670 |
| 6 | 0 | 10.674050 | 0.000056 | -0.085165 |
| 6 | 0 | 10.150954 | 2.384108 | 0.290447 |
| 6 | 0 | 7.440004 | 1.491527 | -0.383192 |
| 6 | 0 | 7.440035 | -1.491427 | -0.383466 |
| 6 | 0 | 10.151007 | -2.384081 | 0.289987 |
| 6 | 0 | 11.817827 | -0.000008 | 0.697705 |
| 6 | 0 | 9.015464 | 3.271682 | 0.363092 |
| 6 | 0 | 7.721620 | 2.841885 | 0.045631 |
| 6 | 0 | 7.721681 | -2.841859 | 0.045100 |
| 6 | 0 | 9.015535 | -3.271692 | 0.362471 |
| 6 | 0 | 11.447428 | -2.451316 | 0.941067 |
| 6 | 0 | 12.238519 | -1.320192 | 1.134726 |
| 6 | 0 | 12.238486 | 1.320101 | 1.134987 |
| 6 | 0 | 11.447368 | 2.451244 | 0.941549 |
| 1 | 0 | 9.142500 | 4.275733 | 0.758518 |
| 1 | 0 | 6.902391 | 3.534004 | 0.215724 |
| 1 | 0 | 6.902467 | -3.534028 | 0.215064 |
| 1 | 0 | 9.142595 | -4.275816 | 0.757703 |
| 1 | 0 | 11.780448 | -3.394236 | 1.366302 |
| 1 | 0 | 13.158812 | -1.423806 | 1.703068 |
| 1 | 0 | 13.158778 | 1.423625 | 1.703349 |
| 1 | 0 | 11.780367 | 3.394090 | 1.366966 |
| 6 | 0 | -7.440008 | -1.491524 | -0.383223 |
| 6 | 0 | -7.440023 | 1.491396 | -0.383525 |
| 6 | 0 | -8.558440 | -0.720470 | -0.605459 |
| 6 | 0 | -7.721614 | -2.841888 | 0.045605 |
| 6 | 0 | -8.558447 | 0.720298 | -0.605601 |

| | | | | | | | | | |
|-------------------|---|------------|-----------|-----------|---|---|------------|-----------|-----------|
| 6 | 0 | -7.721668 | 2.841875 | 0.044953 | 6 | 0 | -11.994553 | 0.000103 | 0.893221 |
| 6 | 0 | -9.866060 | -1.149796 | -0.283419 | 6 | 0 | -10.344305 | 2.384225 | 0.423366 |
| 6 | 0 | -9.015428 | -3.271662 | 0.363168 | 6 | 0 | -7.660217 | 1.491585 | -0.350187 |
| 1 | 0 | -6.902358 | -3.533980 | 0.215690 | 6 | 0 | -7.660275 | -1.491661 | -0.350145 |
| 6 | 0 | -9.866077 | 1.149679 | -0.283669 | 6 | 0 | -11.615634 | -2.451206 | 1.122498 |
| 6 | 0 | -9.015499 | 3.271717 | 0.362380 | 6 | 0 | -12.398839 | -1.319998 | 1.345618 |
| 1 | 0 | -6.902455 | 3.534066 | 0.214836 | 6 | 0 | -12.398835 | 1.320292 | 1.345423 |
| 6 | 0 | -10.674032 | -0.000045 | -0.085132 | 6 | 0 | -11.615595 | 2.451438 | 1.122183 |
| 6 | 0 | -10.150938 | -2.384087 | 0.290507 | 6 | 0 | -9.207071 | 3.271794 | 0.453772 |
| 1 | 0 | -9.142472 | -4.275706 | 0.758612 | 6 | 0 | -7.925885 | 2.841844 | 0.088760 |
| 6 | 0 | -10.150991 | 2.384101 | 0.289961 | 6 | 0 | -7.926013 | -2.841892 | 0.088875 |
| 1 | 0 | -9.142554 | 4.275871 | 0.757538 | 6 | 0 | -9.207195 | -3.271742 | 0.454034 |
| 6 | 0 | -11.817799 | 0.000033 | 0.697759 | 1 | 0 | -11.932702 | -3.394115 | 1.559832 |
| 6 | 0 | -11.447327 | -2.451219 | 0.941639 | 1 | 0 | -13.297342 | -1.423495 | 1.947862 |
| 6 | 0 | -11.447392 | 2.451353 | 0.941061 | 1 | 0 | -13.297335 | 1.423887 | 1.947652 |
| 6 | 0 | -12.238446 | -1.320063 | 1.135072 | 1 | 0 | -11.932606 | 3.394416 | 1.559413 |
| 6 | 0 | -12.238481 | 1.320230 | 1.134761 | 1 | 0 | -9.319352 | 4.275823 | 0.853735 |
| 1 | 0 | -11.780300 | -3.394050 | 1.367106 | 1 | 0 | -7.100809 | 3.533781 | 0.228688 |
| 1 | 0 | -11.780390 | 3.394280 | 1.366302 | 1 | 0 | -7.100993 | -3.533882 | 0.228891 |
| 1 | 0 | -13.158712 | -1.423581 | 1.703474 | 1 | 0 | -9.319495 | -4.275727 | 0.854107 |
| 1 | 0 | -13.158760 | 1.423854 | 1.703124 | 1 | 0 | 11.703011 | -2.987454 | 2.376924 |
| 6 | 0 | -1.229462 | -0.731122 | -0.420510 | 6 | 0 | 11.130291 | -2.532819 | 1.573348 |
| 6 | 0 | -1.229474 | 0.731079 | -0.420435 | 6 | 0 | 9.995973 | -3.251947 | 1.076087 |
| 6 | 0 | 0.000003 | -1.412365 | -0.420847 | 6 | 0 | 11.400520 | -1.219384 | 1.148087 |
| 6 | 0 | -0.000016 | 1.412318 | -0.420675 | 6 | 0 | 9.116216 | -2.665687 | 0.148745 |
| 6 | 0 | 1.229414 | -0.731114 | -0.420534 | 1 | 0 | 9.769134 | -4.212820 | 1.529623 |
| 1 | 0 | 0.000004 | -2.499324 | -0.421234 | 6 | 0 | 12.157279 | 0.000034 | 1.764408 |
| 6 | 0 | 1.229396 | 0.731089 | -0.420433 | 6 | 0 | 10.588065 | -0.720443 | 0.122486 |
| 1 | 0 | -0.000045 | 2.499282 | -0.420921 | 6 | 0 | 7.614765 | -2.865752 | -0.220063 |
| 6 | 0 | 2.471298 | -1.411880 | -0.420205 | 6 | 0 | 9.489193 | -1.414308 | -0.357100 |
| 6 | 0 | 2.471272 | 1.411884 | -0.419997 | 6 | 0 | 11.400515 | 1.219452 | 1.148093 |
| 6 | 0 | 3.686452 | -0.728029 | -0.417522 | 1 | 0 | 13.224856 | 0.000038 | 1.503207 |
| 1 | 0 | 2.471887 | -2.498885 | -0.421689 | 1 | 0 | 12.095170 | 0.000030 | 2.858569 |
| 6 | 0 | 3.686435 | 0.728054 | -0.417408 | 6 | 0 | 10.588056 | 0.720513 | 0.122496 |
| 1 | 0 | 2.471843 | 2.498889 | -0.421319 | 6 | 0 | 7.199260 | -1.457520 | -0.744352 |
| 6 | 0 | 4.944396 | -1.406198 | -0.417078 | 1 | 0 | 7.468195 | -3.654211 | -0.972108 |
| 6 | 0 | 4.944368 | 1.406252 | -0.416844 | 1 | 0 | 7.025110 | -3.151207 | 0.659519 |
| 6 | 0 | 6.156169 | -0.749382 | -0.420828 | 6 | 0 | 8.341971 | -0.709101 | -0.873929 |
| 1 | 0 | 4.928203 | -2.492434 | -0.424723 | 6 | 0 | 11.130285 | 2.532885 | 1.573359 |
| 6 | 0 | 6.156154 | 0.749461 | -0.420698 | 6 | 0 | 9.489170 | 1.414370 | -0.357070 |
| 1 | 0 | 4.928152 | 2.492488 | -0.424311 | 6 | 0 | 8.341956 | 0.709156 | -0.873907 |
| 6 | 0 | -2.471292 | -1.411918 | -0.420120 | 6 | 0 | 9.995953 | 3.252005 | 1.076118 |
| 6 | 0 | -2.471313 | 1.411852 | -0.420053 | 1 | 0 | 11.703005 | 2.987515 | 2.376939 |
| 6 | 0 | -3.686473 | -0.728069 | -0.417481 | 6 | 0 | 9.116182 | 2.665736 | 0.148796 |
| 1 | 0 | -2.471886 | -2.498918 | -0.421568 | 6 | 0 | 7.199231 | 1.457548 | -0.744303 |
| 6 | 0 | -3.686486 | 0.727987 | -0.417475 | 1 | 0 | 9.769102 | 4.212864 | 1.529675 |
| 1 | 0 | -2.471932 | 2.498856 | -0.421462 | 6 | 0 | 7.614709 | 2.865766 | -0.219949 |
| 6 | 0 | -4.944396 | -1.406263 | -0.416961 | 1 | 0 | 7.468091 | 3.654258 | -0.971949 |
| 6 | 0 | -4.944408 | 1.406165 | -0.417043 | 1 | 0 | 7.025070 | 3.151157 | 0.659665 |
| 6 | 0 | -6.156182 | -0.749432 | -0.420776 | 6 | 0 | 5.934729 | 0.753338 | -0.794434 |
| 1 | 0 | -4.928201 | -2.492495 | -0.424462 | 6 | 0 | 4.711583 | 1.411567 | -0.757078 |
| 6 | 0 | -6.156197 | 0.749352 | -0.420896 | 6 | 0 | 5.934743 | -0.753332 | -0.794464 |
| 1 | 0 | -4.928212 | 2.492399 | -0.424651 | 6 | 0 | 3.464980 | 0.730317 | -0.726522 |
| Sum-B5-Cor | | | | | 1 | 0 | 4.699165 | 2.498262 | -0.761315 |
| 6 | 0 | -10.080912 | -1.149745 | -0.160502 | 6 | 0 | 4.711610 | -1.411584 | -0.757138 |
| 6 | 0 | -10.880870 | 0.000048 | 0.068134 | 6 | 0 | 3.464991 | -0.730357 | -0.726552 |
| 6 | 0 | -10.080857 | 1.149780 | -0.160592 | 6 | 0 | 2.242405 | 1.412250 | -0.697103 |
| 6 | 0 | -8.786122 | 0.720461 | -0.531080 | 1 | 0 | 4.699209 | -2.498279 | -0.761416 |
| 6 | 0 | -8.786179 | -0.720539 | -0.531069 | 6 | 0 | 2.242430 | -1.412310 | -0.697166 |
| 6 | 0 | -10.344397 | -2.384131 | 0.423605 | 6 | 0 | 1.006059 | 0.732109 | -0.663785 |
| | | | | | 1 | 0 | 2.242722 | 2.499313 | -0.698938 |
| | | | | | 6 | 0 | 1.006059 | -0.732179 | -0.663818 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | 2.242753 | -2.499372 | -0.699043 |
| 6 | 0 | -0.226707 | 1.412820 | -0.629301 |
| 6 | 0 | -0.226684 | -1.412936 | -0.629344 |
| 1 | 0 | -0.226832 | 2.499827 | -0.629593 |
| 6 | 0 | -1.452955 | 0.731820 | -0.593063 |
| 6 | 0 | -1.452953 | -0.731953 | -0.593063 |
| 1 | 0 | -0.226729 | -2.499939 | -0.629711 |
| 6 | 0 | -2.696242 | -1.412333 | -0.554798 |
| 6 | 0 | -3.909459 | -0.728688 | -0.513782 |
| 1 | 0 | -2.696920 | -2.499377 | -0.556011 |
| 6 | 0 | -3.909477 | 0.728491 | -0.513752 |
| 6 | 0 | -5.167586 | -1.406530 | -0.471595 |
| 6 | 0 | -2.696273 | 1.412150 | -0.554735 |
| 6 | 0 | -5.167605 | 1.406325 | -0.471579 |
| 6 | 0 | -6.378348 | -0.749896 | -0.433704 |
| 1 | 0 | -5.151641 | -2.492800 | -0.479504 |
| 1 | 0 | -2.696889 | 2.499205 | -0.555957 |
| 6 | 0 | -6.378370 | 0.749700 | -0.433701 |
| 1 | 0 | -5.151569 | 2.492606 | -0.479490 |

Sum-B5-Sum

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 12.320877 | 0.000006 | 1.919138 |
| 6 | 0 | 7.827944 | -2.865552 | -0.174816 |
| 6 | 0 | 7.827940 | 2.865543 | -0.174802 |
| 1 | 0 | 13.394627 | 0.000004 | 1.684543 |
| 1 | 0 | 12.231613 | 0.000013 | 3.011438 |
| 1 | 0 | 7.699132 | -3.654660 | -0.929434 |
| 1 | 0 | 7.217212 | -3.149972 | 0.690611 |
| 1 | 0 | 7.699071 | 3.654695 | -0.929360 |
| 1 | 0 | 7.217236 | 3.149923 | 0.690669 |
| 6 | 0 | 10.792155 | -0.720525 | 0.239482 |
| 6 | 0 | 9.705148 | -1.414269 | -0.266645 |
| 6 | 0 | 9.705134 | 1.414270 | -0.266635 |
| 6 | 0 | 10.792152 | 0.720528 | 0.239481 |
| 6 | 0 | 8.570828 | 0.709305 | -0.811679 |
| 6 | 0 | 8.570842 | -0.709307 | -0.811703 |
| 6 | 0 | 11.579469 | -1.219465 | 1.284447 |
| 6 | 0 | 9.320130 | -2.665663 | 0.230034 |
| 6 | 0 | 9.320126 | 2.665666 | 0.230029 |
| 6 | 0 | 11.579471 | 1.219474 | 1.284439 |
| 6 | 0 | 7.425536 | 1.457623 | -0.709777 |
| 6 | 0 | 7.425539 | -1.457608 | -0.709777 |
| 6 | 0 | 11.299110 | -2.532969 | 1.703029 |
| 6 | 0 | 10.177182 | -3.252002 | 1.178387 |
| 6 | 0 | 10.177188 | 3.252021 | 1.178368 |
| 6 | 0 | 11.299117 | 2.532988 | 1.703006 |
| 1 | 0 | 11.852329 | -2.987626 | 2.520163 |
| 1 | 0 | 9.939411 | 4.212963 | 1.626149 |
| 1 | 0 | 11.852331 | 2.987650 | 2.520140 |
| 1 | 0 | 9.939393 | -4.212937 | 1.626180 |
| 6 | 0 | -7.425527 | -1.457625 | -0.709733 |
| 6 | 0 | -7.827952 | -2.865585 | -0.174812 |
| 6 | 0 | -8.570812 | -0.709325 | -0.811636 |
| 6 | 0 | -7.425534 | 1.457616 | -0.709758 |
| 1 | 0 | -7.699162 | -3.654649 | -0.929482 |
| 1 | 0 | -7.217202 | -3.150064 | 0.690584 |
| 6 | 0 | -9.320135 | -2.665706 | 0.230026 |
| 6 | 0 | -9.705118 | -1.414269 | -0.266573 |
| 6 | 0 | -8.570815 | 0.709312 | -0.811648 |
| 6 | 0 | -7.827960 | 2.865581 | -0.174851 |
| 6 | 0 | -10.177290 | -3.252100 | 1.178246 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.792115 | -0.720528 | 0.239556 |
| 6 | 0 | -9.705123 | 1.414260 | -0.266595 |
| 1 | 0 | -7.699169 | 3.654639 | -0.929526 |
| 1 | 0 | -7.217211 | 3.150066 | 0.690543 |
| 6 | 0 | -9.320144 | 2.665705 | 0.229986 |
| 6 | 0 | -11.299183 | -2.533042 | 1.702944 |
| 1 | 0 | -9.939551 | -4.213058 | 1.626015 |
| 6 | 0 | -10.792117 | 0.720523 | 0.239545 |
| 6 | 0 | -11.579470 | -1.219483 | 1.284484 |
| 6 | 0 | -10.177302 | 3.252112 | 1.178196 |
| 1 | 0 | -11.852415 | -2.987749 | 2.520040 |
| 6 | 0 | -11.579475 | 1.219491 | 1.284465 |
| 6 | 0 | -12.320782 | 0.000008 | 1.919275 |
| 6 | 0 | -11.299194 | 2.533058 | 1.702904 |
| 1 | 0 | -9.939565 | 4.213077 | 1.625951 |
| 1 | 0 | -13.394551 | 0.000004 | 1.684763 |
| 1 | 0 | -12.231442 | 0.000016 | 3.011570 |
| 1 | 0 | -11.852428 | 2.987777 | 2.519993 |
| 6 | 0 | -6.162062 | -0.753708 | -0.791639 |
| 6 | 0 | -6.162062 | 0.753701 | -0.791659 |
| 6 | 0 | -4.939033 | -1.411817 | -0.785759 |
| 6 | 0 | -4.939039 | 1.411814 | -0.785803 |
| 6 | 0 | -3.690967 | -0.730801 | -0.787831 |
| 1 | 0 | -4.926701 | -2.498550 | -0.790409 |
| 6 | 0 | -3.690964 | 0.730799 | -0.787855 |
| 1 | 0 | -4.926708 | 2.498547 | -0.790474 |
| 6 | 0 | -2.469458 | -1.412612 | -0.791182 |
| 6 | 0 | -2.469467 | 1.412617 | -0.791232 |
| 6 | 0 | -1.230559 | -0.732830 | -0.791851 |
| 1 | 0 | -2.469880 | -2.499709 | -0.793132 |
| 6 | 0 | -1.230555 | 0.732834 | -0.791893 |
| 1 | 0 | -2.469887 | 2.499713 | -0.793218 |
| 6 | 0 | 0.000000 | -1.413350 | -0.792361 |
| 6 | 0 | -0.000010 | 1.413348 | -0.792378 |
| 6 | 0 | 1.230589 | -0.732833 | -0.791974 |
| 1 | 0 | 0.000000 | -2.500400 | -0.792906 |
| 6 | 0 | 1.230574 | 0.732846 | -0.791847 |
| 1 | 0 | 0.000027 | 2.500401 | -0.792958 |
| 6 | 0 | 2.469461 | -1.412625 | -0.791290 |
| 6 | 0 | 3.690994 | -0.730806 | -0.787874 |
| 1 | 0 | 2.469886 | -2.499723 | -0.793262 |
| 6 | 0 | 2.469474 | 1.412603 | -0.791154 |
| 6 | 0 | 3.690997 | 0.730788 | -0.787813 |
| 6 | 0 | 4.939055 | -1.411818 | -0.785848 |
| 1 | 0 | 2.469894 | 2.499705 | -0.793062 |
| 6 | 0 | 4.939054 | 1.411798 | -0.785708 |
| 6 | 0 | 6.162089 | -0.753713 | -0.791677 |
| 1 | 0 | 4.926721 | -2.498555 | -0.790554 |
| 6 | 0 | 6.162093 | 0.753688 | -0.791620 |
| 1 | 0 | 4.926731 | 2.498534 | -0.790257 |

Cor-B5-Cor-F

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 9.866051 | 1.149810 | -0.351701 |
| 6 | 0 | 8.558428 | 0.720482 | -0.673690 |
| 6 | 0 | 8.558443 | -0.720300 | -0.673822 |
| 6 | 0 | 9.866078 | -1.149660 | -0.351920 |
| 6 | 0 | 10.674049 | 0.000066 | -0.153415 |
| 6 | 0 | 10.150950 | 2.384117 | 0.222197 |
| 6 | 0 | 7.440001 | 1.491533 | -0.451442 |
| 6 | 0 | 7.440035 | -1.491421 | -0.451716 |
| 6 | 0 | 10.151008 | -2.384072 | 0.221737 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 11.817826 | 0.000003 | 0.629455 |
| 6 | 0 | 9.015459 | 3.271690 | 0.294842 |
| 6 | 0 | 7.721615 | 2.841892 | -0.022619 |
| 6 | 0 | 7.721683 | -2.841852 | -0.023150 |
| 6 | 0 | 9.015537 | -3.271684 | 0.294221 |
| 6 | 0 | 11.447429 | -2.451305 | 0.872817 |
| 6 | 0 | 12.238519 | -1.320180 | 1.066476 |
| 6 | 0 | 12.238483 | 1.320113 | 1.066737 |
| 6 | 0 | 11.447364 | 2.451255 | 0.873299 |
| 1 | 0 | 6.902386 | 3.534010 | 0.147474 |
| 1 | 0 | 6.902470 | -3.534022 | 0.146814 |
| 1 | 0 | 11.780450 | -3.394225 | 1.298052 |
| 1 | 0 | 13.158812 | -1.423793 | 1.634818 |
| 1 | 0 | 13.158775 | 1.423638 | 1.635099 |
| 1 | 0 | 11.780362 | 3.394101 | 1.298716 |
| 6 | 0 | -7.440008 | -1.491534 | -0.451473 |
| 6 | 0 | -7.440026 | 1.491386 | -0.451775 |
| 6 | 0 | -8.558441 | -0.720482 | -0.673709 |
| 6 | 0 | -7.721612 | -2.841899 | -0.022645 |
| 6 | 0 | -8.558449 | 0.720286 | -0.673851 |
| 6 | 0 | -7.721673 | 2.841864 | -0.023297 |
| 6 | 0 | -9.866060 | -1.149809 | -0.351669 |
| 6 | 0 | -9.015426 | -3.271674 | 0.294918 |
| 1 | 0 | -6.902355 | -3.533990 | 0.147440 |
| 6 | 0 | -9.866080 | 1.149666 | -0.351919 |
| 6 | 0 | -9.015504 | 3.271705 | 0.294130 |
| 1 | 0 | -6.902460 | 3.534056 | 0.146586 |
| 6 | 0 | -10.674033 | -0.000059 | -0.153382 |
| 6 | 0 | -10.150937 | -2.384100 | 0.222257 |
| 6 | 0 | -10.150995 | 2.384088 | 0.221711 |
| 6 | 0 | -11.817800 | 0.000018 | 0.629509 |
| 6 | 0 | -11.447326 | -2.451234 | 0.873389 |
| 6 | 0 | -11.447396 | 2.451338 | 0.872811 |
| 6 | 0 | -12.238446 | -1.320079 | 1.066822 |
| 6 | 0 | -12.238484 | 1.320214 | 1.066511 |
| 1 | 0 | -11.780298 | -3.394065 | 1.298856 |
| 1 | 0 | -11.780395 | 3.394265 | 1.298052 |
| 1 | 0 | -13.158712 | -1.423598 | 1.635224 |
| 1 | 0 | -13.158763 | 1.423837 | 1.634874 |
| 6 | 0 | -1.229463 | -0.731125 | -0.488760 |
| 6 | 0 | -1.229476 | 0.731076 | -0.488685 |
| 6 | 0 | 0.000003 | -1.412367 | -0.489097 |
| 6 | 0 | -0.000019 | 1.412316 | -0.488925 |
| 6 | 0 | 1.229413 | -0.731115 | -0.488784 |
| 1 | 0 | 0.000005 | -2.499326 | -0.489484 |
| 6 | 0 | 1.229394 | 0.731088 | -0.488683 |
| 1 | 0 | -0.000049 | 2.499280 | -0.489171 |
| 6 | 0 | 2.471298 | -1.411879 | -0.488455 |
| 6 | 0 | 2.471269 | 1.411885 | -0.488247 |
| 6 | 0 | 3.686451 | -0.728027 | -0.485772 |
| 1 | 0 | 2.471888 | -2.498884 | -0.489939 |
| 6 | 0 | 3.686433 | 0.728056 | -0.485658 |
| 1 | 0 | 2.471839 | 2.498890 | -0.489569 |
| 6 | 0 | 4.944396 | -1.406194 | -0.485328 |
| 6 | 0 | 4.944365 | 1.406256 | -0.485094 |
| 6 | 0 | 6.156168 | -0.749377 | -0.489078 |
| 1 | 0 | 4.928204 | -2.492430 | -0.492973 |
| 6 | 0 | 6.156152 | 0.749466 | -0.488948 |
| 1 | 0 | 4.928148 | 2.492492 | -0.492561 |
| 6 | 0 | -2.471292 | -1.411923 | -0.488370 |
| 6 | 0 | -2.471316 | 1.411847 | -0.488303 |
| 6 | 0 | -3.686474 | -0.728075 | -0.485731 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | -2.471885 | -2.498923 | -0.489818 |
| 6 | 0 | -3.686488 | 0.727981 | -0.485725 |
| 1 | 0 | -2.471936 | 2.498851 | -0.489712 |
| 6 | 0 | -4.944396 | -1.406270 | -0.485211 |
| 6 | 0 | -4.944411 | 1.406158 | -0.485293 |
| 6 | 0 | -6.156183 | -0.749441 | -0.489026 |
| 1 | 0 | -4.928200 | -2.492502 | -0.492712 |
| 6 | 0 | -6.156199 | 0.749343 | -0.489146 |
| 1 | 0 | -4.928216 | 2.492392 | -0.492901 |
| 9 | 0 | -9.173365 | 4.519316 | 0.785095 |
| 9 | 0 | 9.173293 | 4.519174 | 0.786140 |
| 9 | 0 | -9.173270 | -4.519148 | 0.786237 |
| 9 | 0 | 9.173405 | -4.519258 | 0.785278 |

Sum-B5-Cor-F

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.095673 | -1.149747 | -0.221610 |
| 6 | 0 | -10.894719 | 0.000045 | 0.010204 |
| 6 | 0 | -10.095619 | 1.149778 | -0.221684 |
| 6 | 0 | -8.802363 | 0.720462 | -0.597305 |
| 6 | 0 | -8.802419 | -0.720538 | -0.597303 |
| 6 | 0 | -10.356841 | -2.384137 | 0.363529 |
| 6 | 0 | -12.005122 | 0.000094 | 0.839699 |
| 6 | 0 | -10.356750 | 2.384219 | 0.363322 |
| 6 | 0 | -7.675749 | 1.491585 | -0.420871 |
| 6 | 0 | -7.675807 | -1.491661 | -0.420849 |
| 6 | 0 | -11.625297 | -2.451217 | 1.067455 |
| 6 | 0 | -12.407612 | -1.320010 | 1.293686 |
| 6 | 0 | -12.407609 | 1.320280 | 1.293509 |
| 6 | 0 | -11.625260 | 2.451427 | 1.067173 |
| 6 | 0 | -9.219404 | 3.271788 | 0.389226 |
| 6 | 0 | -7.939675 | 2.841841 | 0.019135 |
| 6 | 0 | -7.939803 | -2.841895 | 0.019212 |
| 6 | 0 | -9.219527 | -3.271748 | 0.389444 |
| 1 | 0 | -11.940629 | -3.394129 | 1.506036 |
| 1 | 0 | -13.303720 | -1.423511 | 1.899486 |
| 1 | 0 | -13.303714 | 1.423871 | 1.899295 |
| 1 | 0 | -11.940535 | 3.394402 | 1.505663 |
| 1 | 0 | -7.114051 | 3.533777 | 0.155796 |
| 1 | 0 | -7.114234 | -3.533886 | 0.155952 |
| 1 | 0 | 11.698137 | -2.987472 | 2.229431 |
| 6 | 0 | 11.122236 | -2.532831 | 1.428135 |
| 6 | 0 | 9.985956 | -3.251956 | 0.935369 |
| 6 | 0 | 11.390777 | -1.219393 | 1.001815 |
| 6 | 0 | 9.102530 | -2.665690 | 0.011526 |
| 6 | 0 | 12.149973 | 0.000021 | 1.615139 |
| 6 | 0 | 10.574263 | -0.720445 | -0.020554 |
| 6 | 0 | 7.599629 | -2.865752 | -0.351329 |
| 6 | 0 | 9.473499 | -1.414307 | -0.495785 |
| 6 | 0 | 11.390772 | 1.219443 | 1.001837 |
| 1 | 0 | 13.216507 | 0.000026 | 1.349708 |
| 1 | 0 | 12.092202 | 0.000009 | 2.709538 |
| 6 | 0 | 10.574254 | 0.720511 | -0.020534 |
| 6 | 0 | 7.182048 | -1.457517 | -0.873957 |
| 1 | 0 | 7.450079 | -3.654206 | -1.102792 |
| 1 | 0 | 7.013465 | -3.151213 | 0.530582 |
| 6 | 0 | 8.324237 | -0.709097 | -1.008058 |
| 6 | 0 | 11.122230 | 2.532873 | 1.428180 |
| 6 | 0 | 9.473476 | 1.414371 | -0.495736 |
| 6 | 0 | 8.324222 | 0.709160 | -1.008026 |
| 6 | 0 | 9.985936 | 3.251996 | 0.935444 |
| 1 | 0 | 11.698131 | 2.987497 | 2.229487 |

| | | | | | | | | | |
|---------------------|---|-----------|-----------|-----------|---|---|------------|-----------|-----------|
| 6 | 0 | 9.102496 | 2.665733 | 0.011613 | 6 | 0 | 11.579477 | 1.219473 | 1.151870 |
| 6 | 0 | 7.182020 | 1.457551 | -0.873888 | 6 | 0 | 7.425542 | 1.457622 | -0.842346 |
| 6 | 0 | 7.599573 | 2.865766 | -0.351176 | 6 | 0 | 7.425545 | -1.457609 | -0.842346 |
| 1 | 0 | 7.449975 | 3.654263 | -1.102583 | 6 | 0 | 11.299116 | -2.532970 | 1.570460 |
| 1 | 0 | 7.013425 | 3.151151 | 0.530771 | 6 | 0 | 10.177188 | -3.252003 | 1.045818 |
| 6 | 0 | 5.917329 | 0.753341 | -0.919011 | 6 | 0 | 10.177194 | 3.252020 | 1.045799 |
| 6 | 0 | 4.694340 | 1.411570 | -0.876802 | 6 | 0 | 11.299123 | 2.532987 | 1.570437 |
| 6 | 0 | 5.917343 | -0.753329 | -0.919051 | 1 | 0 | 11.852335 | -2.987627 | 2.387594 |
| 6 | 0 | 3.447868 | 0.730320 | -0.841309 | 1 | 0 | 11.852337 | 2.987649 | 2.387571 |
| 1 | 0 | 4.681906 | 2.498265 | -0.880982 | 6 | 0 | -7.425521 | -1.457626 | -0.842302 |
| 6 | 0 | 4.694367 | -1.411581 | -0.876881 | 6 | 0 | -7.827946 | -2.865586 | -0.307381 |
| 6 | 0 | 3.447879 | -0.730354 | -0.841349 | 6 | 0 | -8.570806 | -0.709326 | -0.944205 |
| 6 | 0 | 2.225420 | 1.412253 | -0.807039 | 6 | 0 | -7.425528 | 1.457615 | -0.842327 |
| 1 | 0 | 4.681950 | -2.498276 | -0.881117 | 1 | 0 | -7.699156 | -3.654650 | -1.062051 |
| 6 | 0 | 2.225444 | -1.412307 | -0.807122 | 1 | 0 | -7.217196 | -3.150065 | 0.558015 |
| 6 | 0 | 0.989215 | 0.732111 | -0.768825 | 6 | 0 | -9.320129 | -2.665707 | 0.097457 |
| 1 | 0 | 2.225729 | 2.499316 | -0.808868 | 6 | 0 | -9.705112 | -1.414270 | -0.399142 |
| 6 | 0 | 0.989215 | -0.732177 | -0.768868 | 6 | 0 | -8.570809 | 0.709311 | -0.944217 |
| 1 | 0 | 2.225760 | -2.499369 | -0.809007 | 6 | 0 | -7.827954 | 2.865580 | -0.307420 |
| 6 | 0 | -0.243404 | 1.412822 | -0.729450 | 6 | 0 | -10.177284 | -3.252101 | 1.045677 |
| 6 | 0 | -0.243381 | -1.412934 | -0.729512 | 6 | 0 | -10.792109 | -0.720529 | 0.106987 |
| 1 | 0 | -0.243530 | 2.499829 | -0.729734 | 6 | 0 | -9.705117 | 1.414259 | -0.399164 |
| 6 | 0 | -1.469499 | 0.731822 | -0.688356 | 1 | 0 | -7.699163 | 3.654638 | -1.062095 |
| 6 | 0 | -1.469497 | -0.731951 | -0.688366 | 1 | 0 | -7.217205 | 3.150065 | 0.557974 |
| 1 | 0 | -0.243428 | -2.499937 | -0.729887 | 6 | 0 | -9.320138 | 2.665704 | 0.097417 |
| 6 | 0 | -2.712624 | -1.412332 | -0.645178 | 6 | 0 | -11.299177 | -2.533043 | 1.570375 |
| 6 | 0 | -3.925669 | -0.728687 | -0.599348 | 6 | 0 | -10.792111 | 0.720522 | 0.106976 |
| 1 | 0 | -2.713307 | -2.499376 | -0.646395 | 6 | 0 | -11.579464 | -1.219484 | 1.151915 |
| 6 | 0 | -3.925687 | 0.728492 | -0.599308 | 6 | 0 | -10.177296 | 3.252111 | 1.045627 |
| 6 | 0 | -5.183619 | -1.406529 | -0.552179 | 1 | 0 | -11.852409 | -2.987750 | 2.387471 |
| 6 | 0 | -2.712655 | 1.412151 | -0.645095 | 6 | 0 | -11.579469 | 1.219490 | 1.151896 |
| 6 | 0 | -5.183638 | 1.406326 | -0.552144 | 6 | 0 | -12.320776 | 0.000007 | 1.786706 |
| 6 | 0 | -6.394221 | -0.749896 | -0.509484 | 6 | 0 | -11.299188 | 2.533057 | 1.570335 |
| 1 | 0 | -5.167706 | -2.492799 | -0.560158 | 1 | 0 | -13.394545 | 0.000003 | 1.552194 |
| 1 | 0 | -2.713276 | 2.499206 | -0.646308 | 1 | 0 | -12.231436 | 0.000015 | 2.879001 |
| 6 | 0 | -6.394243 | 0.749700 | -0.509471 | 1 | 0 | -11.852422 | 2.987776 | 2.387424 |
| 1 | 0 | -5.167634 | 2.492607 | -0.560111 | 6 | 0 | -6.162056 | -0.753709 | -0.924208 |
| 9 | 0 | -9.356935 | 4.519223 | 0.886710 | 6 | 0 | -6.162056 | 0.753700 | -0.924228 |
| 9 | 0 | -9.357080 | -4.519133 | 0.887048 | 6 | 0 | -4.939027 | -1.411818 | -0.918328 |
| 9 | 0 | 9.706298 | 4.445909 | 1.500133 | 6 | 0 | -4.939033 | 1.411813 | -0.918372 |
| 9 | 0 | 9.706333 | -4.445893 | 1.500016 | 6 | 0 | -3.690961 | -0.730802 | -0.920400 |
| Sum-B5-Sum-F | | | | | 1 | 0 | -4.926695 | -2.498551 | -0.922978 |
| 6 | 0 | 12.320883 | 0.000005 | 1.786569 | 6 | 0 | -3.690958 | 0.730798 | -0.920424 |
| 6 | 0 | 7.827950 | -2.865553 | -0.307385 | 1 | 0 | -4.926702 | 2.498546 | -0.923043 |
| 6 | 0 | 7.827946 | 2.865542 | -0.307371 | 6 | 0 | -2.469452 | -1.412613 | -0.923751 |
| 1 | 0 | 13.394633 | 0.000003 | 1.551974 | 6 | 0 | -2.469461 | 1.412616 | -0.923801 |
| 1 | 0 | 12.231619 | 0.000012 | 2.878869 | 6 | 0 | -1.230553 | -0.732831 | -0.924420 |
| 1 | 0 | 7.699138 | -3.654661 | -1.062003 | 1 | 0 | -2.469874 | -2.499710 | -0.925701 |
| 1 | 0 | 7.217218 | -3.149973 | 0.558042 | 6 | 0 | -1.230549 | 0.732833 | -0.924462 |
| 1 | 0 | 7.699077 | 3.654694 | -1.061929 | 1 | 0 | -2.469881 | 2.499712 | -0.925787 |
| 1 | 0 | 7.217242 | 3.149922 | 0.558100 | 6 | 0 | 0.000006 | -1.413351 | -0.924930 |
| 6 | 0 | 10.792161 | -0.720526 | 0.106913 | 6 | 0 | -0.000004 | 1.413347 | -0.924947 |
| 6 | 0 | 9.705154 | -1.414270 | -0.399214 | 6 | 0 | 1.230595 | -0.732834 | -0.924543 |
| 6 | 0 | 9.705140 | 1.414269 | -0.399204 | 1 | 0 | 0.000006 | -2.500401 | -0.925475 |
| 6 | 0 | 10.792158 | 0.720527 | 0.106912 | 6 | 0 | 1.230580 | 0.732845 | -0.924416 |
| 6 | 0 | 8.570834 | 0.709304 | -0.944248 | 1 | 0 | 0.000033 | 2.500400 | -0.925527 |
| 6 | 0 | 8.570848 | -0.709308 | -0.944272 | 6 | 0 | 2.469467 | -1.412626 | -0.923859 |
| 6 | 0 | 11.579475 | -1.219466 | 1.151878 | 6 | 0 | 3.691000 | -0.730807 | -0.920443 |
| 6 | 0 | 9.320136 | -2.665664 | 0.097465 | 1 | 0 | 2.469892 | -2.499724 | -0.925831 |
| 6 | 0 | 9.320132 | 2.665665 | 0.097460 | 6 | 0 | 2.469480 | 1.412602 | -0.923723 |
| | | | | | 6 | 0 | 3.691003 | 0.730787 | -0.920382 |
| | | | | | 6 | 0 | 4.939061 | -1.411819 | -0.918417 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | 2.469900 | 2.499704 | -0.925631 |
| 6 | 0 | 4.939060 | 1.411797 | -0.918277 |
| 6 | 0 | 6.162095 | -0.753714 | -0.924246 |
| 1 | 0 | 4.926727 | -2.498556 | -0.923123 |
| 6 | 0 | 6.162099 | 0.753687 | -0.924189 |
| 1 | 0 | 4.926737 | 2.498533 | -0.922826 |
| 9 | 0 | -9.881899 | 4.446144 | 1.601979 |
| 9 | 0 | -9.881885 | -4.446125 | 1.602046 |
| 9 | 0 | 9.881748 | 4.446025 | 1.602183 |
| 9 | 0 | 9.881727 | -4.445998 | 1.602217 |

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| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 9.866049 | 1.149821 | -0.418010 |
| 6 | 0 | 8.558426 | 0.720491 | -0.739999 |
| 6 | 0 | 8.558444 | -0.720291 | -0.740131 |
| 6 | 0 | 9.866079 | -1.149649 | -0.418229 |
| 6 | 0 | 10.674048 | 0.000078 | -0.219724 |
| 6 | 0 | 10.150946 | 2.384129 | 0.155888 |
| 6 | 0 | 7.439999 | 1.491541 | -0.517751 |
| 6 | 0 | 7.440037 | -1.491413 | -0.518025 |
| 6 | 0 | 10.151011 | -2.384060 | 0.155428 |
| 6 | 0 | 11.817825 | 0.000017 | 0.563146 |
| 6 | 0 | 9.015454 | 3.271700 | 0.228533 |
| 6 | 0 | 7.721611 | 2.841900 | -0.088928 |
| 6 | 0 | 7.721686 | -2.841844 | -0.089459 |
| 6 | 0 | 9.015541 | -3.271674 | 0.227912 |
| 6 | 0 | 11.447432 | -2.451292 | 0.806508 |
| 6 | 0 | 12.238520 | -1.320166 | 1.000167 |
| 6 | 0 | 12.238481 | 1.320127 | 1.000428 |
| 6 | 0 | 11.447360 | 2.451268 | 0.806990 |
| 1 | 0 | 6.902381 | 3.534017 | 0.081165 |
| 1 | 0 | 6.902474 | -3.534015 | 0.080505 |
| 1 | 0 | 11.780454 | -3.394211 | 1.231743 |
| 1 | 0 | 13.158814 | -1.423778 | 1.568509 |
| 1 | 0 | 13.158773 | 1.423653 | 1.568790 |
| 1 | 0 | 11.780357 | 3.394115 | 1.232407 |
| 6 | 0 | -7.440006 | -1.491546 | -0.517782 |
| 6 | 0 | -7.440028 | 1.491374 | -0.518084 |
| 6 | 0 | -8.558440 | -0.720494 | -0.740018 |
| 6 | 0 | -7.721609 | -2.841910 | -0.088954 |
| 6 | 0 | -8.558451 | 0.720274 | -0.740160 |
| 6 | 0 | -7.721677 | 2.841853 | -0.089606 |
| 6 | 0 | -9.866059 | -1.149823 | -0.417978 |
| 6 | 0 | -9.015422 | -3.271687 | 0.228609 |
| 1 | 0 | -6.902351 | -3.534000 | 0.081131 |
| 6 | 0 | -9.866082 | 1.149652 | -0.418228 |
| 6 | 0 | -9.015509 | 3.271692 | 0.227821 |
| 1 | 0 | -6.902465 | 3.534046 | 0.080277 |
| 6 | 0 | -10.674034 | -0.000074 | -0.219691 |
| 6 | 0 | -10.150934 | -2.384115 | 0.155948 |
| 6 | 0 | -10.150999 | 2.384073 | 0.155402 |
| 6 | 0 | -11.817801 | 0.000000 | 0.563200 |
| 6 | 0 | -11.447323 | -2.451250 | 0.807080 |
| 6 | 0 | -11.447400 | 2.451322 | 0.806502 |
| 6 | 0 | -12.238445 | -1.320096 | 1.000513 |
| 6 | 0 | -12.238486 | 1.320197 | 1.000202 |
| 1 | 0 | -11.780294 | -3.394082 | 1.232547 |
| 1 | 0 | -11.780400 | 3.394248 | 1.231743 |
| 1 | 0 | -13.158710 | -1.423616 | 1.568915 |
| 1 | 0 | -13.158765 | 1.423819 | 1.568565 |
| 6 | 0 | -1.229462 | -0.731129 | -0.555069 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | -1.229478 | 0.731072 | -0.554994 |
| 6 | 0 | 0.000005 | -1.412369 | -0.555406 |
| 6 | 0 | -0.000021 | 1.412314 | -0.555234 |
| 6 | 0 | 1.229414 | -0.731115 | -0.555093 |
| 1 | 0 | 0.000008 | -2.499328 | -0.555793 |
| 6 | 0 | 1.229392 | 0.731088 | -0.554992 |
| 1 | 0 | -0.000053 | 2.499278 | -0.555480 |
| 6 | 0 | 2.471300 | -1.411878 | -0.554764 |
| 6 | 0 | 2.471267 | 1.411886 | -0.554556 |
| 6 | 0 | 3.686452 | -0.728024 | -0.552081 |
| 1 | 0 | 2.471891 | -2.498883 | -0.556248 |
| 6 | 0 | 3.686431 | 0.728059 | -0.551967 |
| 1 | 0 | 2.471835 | 2.498891 | -0.555878 |
| 6 | 0 | 4.944398 | -1.406190 | -0.551637 |
| 6 | 0 | 4.944363 | 1.406260 | -0.551403 |
| 6 | 0 | 6.156169 | -0.749371 | -0.555387 |
| 1 | 0 | 4.928207 | -2.492426 | -0.559282 |
| 6 | 0 | 6.156150 | 0.749472 | -0.555257 |
| 1 | 0 | 4.928144 | 2.492496 | -0.558870 |
| 6 | 0 | -2.471290 | -1.411928 | -0.554679 |
| 6 | 0 | -2.471318 | 1.411842 | -0.554612 |
| 6 | 0 | -3.686473 | -0.728081 | -0.552040 |
| 1 | 0 | -2.471882 | -2.498928 | -0.556127 |
| 6 | 0 | -3.686490 | 0.727975 | -0.552034 |
| 1 | 0 | -2.471940 | 2.498846 | -0.556021 |
| 6 | 0 | -4.944394 | -1.406279 | -0.551520 |
| 6 | 0 | -4.944413 | 1.406149 | -0.551602 |
| 6 | 0 | -6.156182 | -0.749450 | -0.555335 |
| 1 | 0 | -4.928197 | -2.492510 | -0.559021 |
| 6 | 0 | -6.156201 | 0.749334 | -0.555455 |
| 1 | 0 | -4.928220 | 2.492384 | -0.559210 |
| 6 | 0 | -9.195589 | 4.694892 | 0.787884 |
| 7 | 0 | -9.331234 | 5.766914 | 1.209750 |
| 6 | 0 | 9.195501 | 4.694756 | 0.788976 |
| 7 | 0 | 9.331120 | 5.766668 | 1.211127 |
| 6 | 0 | 9.195628 | -4.694832 | 0.788080 |
| 7 | 0 | 9.331279 | -5.766822 | 1.210025 |
| 6 | 0 | -9.195480 | -4.694732 | 0.789077 |
| 7 | 0 | -9.331107 | -5.766635 | 1.211247 |

Sum-B5-Cor-CN

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.087467 | -1.149749 | -0.287204 |
| 6 | 0 | -10.886107 | 0.000041 | -0.053995 |
| 6 | 0 | -10.087413 | 1.149776 | -0.287270 |
| 6 | 0 | -8.794813 | 0.720461 | -0.665145 |
| 6 | 0 | -8.794869 | -0.720539 | -0.665149 |
| 6 | 0 | -10.347614 | -2.384141 | 0.298384 |
| 6 | 0 | -11.995064 | 0.000087 | 0.777434 |
| 6 | 0 | -10.347524 | 2.384215 | 0.298195 |
| 6 | 0 | -7.667894 | 1.491584 | -0.490671 |
| 6 | 0 | -7.667951 | -1.491662 | -0.490660 |
| 6 | 0 | -11.614842 | -2.451224 | 1.004519 |
| 6 | 0 | -12.396762 | -1.320018 | 1.232116 |
| 6 | 0 | -12.396759 | 1.320272 | 1.231949 |
| 6 | 0 | -11.614806 | 2.451420 | 1.004255 |
| 6 | 0 | -9.210136 | 3.271784 | 0.322120 |
| 6 | 0 | -7.931053 | 2.841838 | -0.050201 |
| 6 | 0 | -7.931179 | -2.841898 | -0.050145 |
| 6 | 0 | -9.210257 | -3.271752 | 0.322314 |
| 1 | 0 | -11.929409 | -3.394138 | 1.443645 |
| 1 | 0 | -13.291813 | -1.423522 | 1.839476 |

| | | | | |
|---|---|------------|-----------|-----------|
| 1 | 0 | -13.291808 | 1.423860 | 1.839296 |
| 1 | 0 | -11.929317 | 3.394393 | 1.443297 |
| 1 | 0 | -7.105192 | 3.533774 | 0.085024 |
| 1 | 0 | -7.105374 | -3.533889 | 0.085153 |
| 1 | 0 | 11.710581 | -2.987479 | 2.125857 |
| 6 | 0 | 11.133285 | -2.532836 | 1.325567 |
| 6 | 0 | 9.996148 | -3.251959 | 0.834779 |
| 6 | 0 | 11.401083 | -1.219396 | 0.898785 |
| 6 | 0 | 9.111114 | -2.665689 | -0.087522 |
| 6 | 0 | 12.161346 | 0.000016 | 1.510790 |
| 6 | 0 | 10.582789 | -0.720445 | -0.122158 |
| 6 | 0 | 7.607583 | -2.865751 | -0.447758 |
| 6 | 0 | 9.481198 | -1.414305 | -0.595473 |
| 6 | 0 | 11.401077 | 1.219440 | 0.898816 |
| 1 | 0 | 13.227415 | 0.000023 | 1.243502 |
| 1 | 0 | 12.105482 | 0.000000 | 2.605288 |
| 6 | 0 | 10.582779 | 0.720511 | -0.122133 |
| 6 | 0 | 7.189092 | -1.457513 | -0.969653 |
| 1 | 0 | 7.456724 | -3.654202 | -1.198963 |
| 1 | 0 | 7.022956 | -3.151215 | 0.435171 |
| 6 | 0 | 8.331045 | -0.709093 | -1.105740 |
| 6 | 0 | 11.133278 | 2.532868 | 1.325631 |
| 6 | 0 | 9.481175 | 1.414373 | -0.595414 |
| 6 | 0 | 8.331030 | 0.709164 | -1.105703 |
| 6 | 0 | 9.996127 | 3.251993 | 0.834879 |
| 1 | 0 | 11.710574 | 2.987490 | 2.125935 |
| 6 | 0 | 9.111079 | 2.665734 | -0.087414 |
| 6 | 0 | 7.189063 | 1.457555 | -0.969573 |
| 6 | 0 | 7.607526 | 2.865767 | -0.447583 |
| 1 | 0 | 7.456619 | 3.654267 | -1.198726 |
| 1 | 0 | 7.022916 | 3.151149 | 0.435384 |
| 6 | 0 | 5.924296 | 0.753345 | -1.012495 |
| 6 | 0 | 4.701383 | 1.411573 | -0.968153 |
| 6 | 0 | 5.924310 | -0.753325 | -1.012541 |
| 6 | 0 | 3.454975 | 0.730323 | -0.930491 |
| 1 | 0 | 4.688941 | 2.498268 | -0.972308 |
| 6 | 0 | 4.701410 | -1.411578 | -0.968243 |
| 6 | 0 | 3.454986 | -0.730351 | -0.930537 |
| 6 | 0 | 2.232587 | 1.412255 | -0.894089 |
| 1 | 0 | 4.688985 | -2.498273 | -0.972461 |
| 6 | 0 | 2.232612 | -1.412305 | -0.894182 |
| 6 | 0 | 0.996452 | 0.732113 | -0.853724 |
| 1 | 0 | 2.232893 | 2.499318 | -0.895915 |
| 6 | 0 | 0.996452 | -0.732175 | -0.853772 |
| 1 | 0 | 2.232925 | -2.499367 | -0.896072 |
| 6 | 0 | -0.236098 | 1.412824 | -0.812199 |
| 6 | 0 | -0.236074 | -1.412932 | -0.812272 |
| 1 | 0 | -0.236225 | 2.499831 | -0.812479 |
| 6 | 0 | -1.462119 | 0.731823 | -0.768971 |
| 6 | 0 | -1.462117 | -0.731950 | -0.768987 |
| 1 | 0 | -0.236121 | -2.499935 | -0.812650 |
| 6 | 0 | -2.705167 | -1.412331 | -0.723635 |
| 6 | 0 | -3.918130 | -0.728687 | -0.675690 |
| 1 | 0 | -2.705851 | -2.499375 | -0.724856 |
| 6 | 0 | -3.918148 | 0.728492 | -0.675644 |
| 6 | 0 | -5.175996 | -1.406529 | -0.626331 |
| 6 | 0 | -2.705198 | 1.412152 | -0.723542 |
| 6 | 0 | -5.176015 | 1.406326 | -0.626286 |
| 6 | 0 | -6.386522 | -0.749896 | -0.581525 |
| 1 | 0 | -5.160096 | -2.492799 | -0.634343 |
| 1 | 0 | -2.705821 | 2.499207 | -0.724749 |
| 6 | 0 | -6.386544 | 0.749700 | -0.581506 |

| | | | | |
|---|---|-----------|-----------|-----------|
| 1 | 0 | -5.160025 | 2.492607 | -0.634277 |
| 6 | 0 | 9.678255 | 4.613936 | 1.479602 |
| 7 | 0 | 9.438819 | 5.639815 | 1.965238 |
| 6 | 0 | 9.678294 | -4.613934 | 1.479444 |
| 7 | 0 | 9.438871 | -5.639837 | 1.965035 |
| 6 | 0 | -9.366034 | 4.694782 | 0.889899 |
| 7 | 0 | -9.483464 | 5.766650 | 1.317576 |
| 6 | 0 | -9.366180 | -4.694697 | 0.890218 |
| 7 | 0 | -9.483629 | -5.766526 | 1.317990 |

Sum-B5-Sum-CN

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 12.320888 | 0.000003 | 1.688187 |
| 6 | 0 | 7.827955 | -2.865554 | -0.405767 |
| 6 | 0 | 7.827951 | 2.865541 | -0.405753 |
| 1 | 0 | 13.394638 | 0.000001 | 1.453592 |
| 1 | 0 | 12.231624 | 0.000010 | 2.780487 |
| 1 | 0 | 7.699143 | -3.654662 | -1.160385 |
| 1 | 0 | 7.217223 | -3.149974 | 0.459660 |
| 1 | 0 | 7.699082 | 3.654693 | -1.160311 |
| 1 | 0 | 7.217247 | 3.149921 | 0.459718 |
| 6 | 0 | 10.792166 | -0.720528 | 0.008531 |
| 6 | 0 | 9.705159 | -1.414271 | -0.497596 |
| 6 | 0 | 9.705145 | 1.414268 | -0.497586 |
| 6 | 0 | 10.792163 | 0.720525 | 0.008530 |
| 6 | 0 | 8.570839 | 0.709303 | -1.042630 |
| 6 | 0 | 8.570853 | -0.709309 | -1.042654 |
| 6 | 0 | 11.579480 | -1.219468 | 1.053496 |
| 6 | 0 | 9.320141 | -2.665665 | -0.000917 |
| 6 | 0 | 9.320137 | 2.665664 | -0.000922 |
| 6 | 0 | 11.579482 | 1.219471 | 1.053488 |
| 6 | 0 | 7.425547 | 1.457621 | -0.940728 |
| 6 | 0 | 7.425550 | -1.457610 | -0.940728 |
| 6 | 0 | 11.299121 | -2.532972 | 1.472078 |
| 6 | 0 | 10.177193 | -3.252004 | 0.947436 |
| 6 | 0 | 10.177199 | 3.252019 | 0.947417 |
| 6 | 0 | 11.299128 | 2.532985 | 1.472055 |
| 1 | 0 | 11.852340 | -2.987629 | 2.289212 |
| 1 | 0 | 11.852342 | 2.987647 | 2.289189 |
| 6 | 0 | -7.425516 | -1.457626 | -0.940684 |
| 6 | 0 | -7.827941 | -2.865586 | -0.405763 |
| 6 | 0 | -8.570801 | -0.709326 | -1.042587 |
| 6 | 0 | -7.425523 | 1.457615 | -0.940709 |
| 1 | 0 | -7.699151 | -3.654650 | -1.160433 |
| 1 | 0 | -7.217191 | -3.150065 | 0.459633 |
| 6 | 0 | -9.320124 | -2.665707 | -0.000925 |
| 6 | 0 | -9.705107 | -1.414270 | -0.497524 |
| 6 | 0 | -8.570804 | 0.709311 | -1.042599 |
| 6 | 0 | -7.827949 | 2.865580 | -0.405802 |
| 6 | 0 | -10.177279 | -3.252101 | 0.947295 |
| 6 | 0 | -10.792104 | -0.720529 | 0.008605 |
| 6 | 0 | -9.705112 | 1.414259 | -0.497546 |
| 1 | 0 | -7.699158 | 3.654638 | -1.160477 |
| 1 | 0 | -7.217200 | 3.150065 | 0.459592 |
| 6 | 0 | -9.320133 | 2.665704 | -0.000965 |
| 6 | 0 | -11.299172 | -2.533043 | 1.471993 |
| 6 | 0 | -10.792106 | 0.720522 | 0.008594 |
| 6 | 0 | -11.579459 | -1.219484 | 1.053533 |
| 6 | 0 | -10.177291 | 3.252111 | 0.947245 |
| 1 | 0 | -11.852404 | -2.987750 | 2.289089 |
| 6 | 0 | -11.579464 | 1.219490 | 1.053514 |
| 6 | 0 | -12.320771 | 0.000007 | 1.688324 |

| | | | | | | | | | |
|---|---|------------|-----------|-----------|---|---|------------|-----------|-----------|
| 6 | 0 | -11.299183 | 2.533057 | 1.471953 | 6 | 0 | 12.268480 | -1.320586 | 0.784716 |
| 1 | 0 | -13.394540 | 0.000003 | 1.453812 | 6 | 0 | 12.268480 | 1.320594 | 0.784711 |
| 1 | 0 | -12.231431 | 0.000015 | 2.780619 | 6 | 0 | 11.476163 | 2.452929 | 0.604654 |
| 1 | 0 | -11.852417 | 2.987776 | 2.289042 | 1 | 0 | 6.909987 | 3.534762 | -0.067829 |
| 6 | 0 | -6.162051 | -0.753709 | -1.022590 | 1 | 0 | 6.909989 | -3.534761 | -0.067815 |
| 6 | 0 | -6.162051 | 0.753700 | -1.022610 | 1 | 0 | 13.199162 | -1.425421 | 1.334353 |
| 6 | 0 | -4.939022 | -1.411818 | -1.016710 | 1 | 0 | 13.199161 | 1.425432 | 1.334347 |
| 6 | 0 | -4.939028 | 1.411813 | -1.016754 | 6 | 0 | -7.437646 | -1.488793 | -0.658136 |
| 6 | 0 | -3.690956 | -0.730802 | -1.018782 | 6 | 0 | -7.437647 | 1.488778 | -0.658165 |
| 1 | 0 | -4.926690 | -2.498551 | -1.021360 | 6 | 0 | -8.556596 | -0.718787 | -0.886824 |
| 6 | 0 | -3.690953 | 0.730798 | -1.018806 | 6 | 0 | -7.720452 | -2.835663 | -0.243627 |
| 1 | 0 | -4.926697 | 2.498546 | -1.021425 | 6 | 0 | -8.556597 | 0.718766 | -0.886838 |
| 6 | 0 | -2.469447 | -1.412614 | -1.022133 | 6 | 0 | -7.720455 | 2.835656 | -0.243684 |
| 6 | 0 | -2.469456 | 1.412615 | -1.022183 | 6 | 0 | -9.868485 | -1.148367 | -0.585758 |
| 6 | 0 | -1.230548 | -0.732832 | -1.022802 | 6 | 0 | -9.028528 | -3.275549 | 0.057233 |
| 1 | 0 | -2.469869 | -2.499711 | -1.024083 | 1 | 0 | -6.909986 | -3.534763 | -0.067787 |
| 6 | 0 | -1.230544 | 0.732832 | -1.022844 | 6 | 0 | -9.868486 | 1.148351 | -0.585781 |
| 1 | 0 | -2.469876 | 2.499711 | -1.024169 | 6 | 0 | -9.028531 | 3.275547 | 0.057166 |
| 6 | 0 | 0.000011 | -1.413352 | -1.023312 | 1 | 0 | -6.909990 | 3.534761 | -0.067860 |
| 6 | 0 | 0.000001 | 1.413346 | -1.023329 | 6 | 0 | -10.680546 | -0.000006 | -0.402296 |
| 6 | 0 | 1.230600 | -0.732835 | -1.022925 | 6 | 0 | -10.171077 | -2.379541 | -0.023296 |
| 1 | 0 | 0.000011 | -2.500402 | -1.023857 | 6 | 0 | -10.171079 | 2.379536 | -0.023345 |
| 6 | 0 | 1.230585 | 0.732844 | -1.022798 | 6 | 0 | -11.838368 | 0.000001 | 0.357883 |
| 1 | 0 | 0.000038 | 2.500399 | -1.023909 | 6 | 0 | -11.476162 | -2.452922 | 0.604687 |
| 6 | 0 | 2.469472 | -1.412627 | -1.022241 | 6 | 0 | -11.476164 | 2.452929 | 0.604638 |
| 6 | 0 | 3.691005 | -0.730808 | -1.018825 | 6 | 0 | -12.268479 | -1.320585 | 0.784731 |
| 1 | 0 | 2.469897 | -2.499725 | -1.024213 | 6 | 0 | -12.268480 | 1.320595 | 0.784704 |
| 6 | 0 | 2.469485 | 1.412601 | -1.022105 | 1 | 0 | -13.199160 | -1.425416 | 1.334369 |
| 6 | 0 | 3.691008 | 0.730786 | -1.018764 | 1 | 0 | -13.199161 | 1.425436 | 1.334341 |
| 6 | 0 | 4.939066 | -1.411820 | -1.016799 | 6 | 0 | -1.228737 | -0.731002 | -0.672949 |
| 1 | 0 | 2.469905 | 2.499703 | -1.024013 | 6 | 0 | -1.228738 | 0.730993 | -0.672957 |
| 6 | 0 | 4.939065 | 1.411796 | -1.016659 | 6 | 0 | 0.000000 | -1.413174 | -0.672551 |
| 6 | 0 | 6.162100 | -0.753715 | -1.022628 | 6 | 0 | -0.000001 | 1.413166 | -0.672566 |
| 1 | 0 | 4.926732 | -2.498557 | -1.021505 | 6 | 0 | 1.228738 | -0.731001 | -0.672949 |
| 6 | 0 | 6.162104 | 0.753686 | -1.022571 | 1 | 0 | 0.000001 | -2.499867 | -0.672461 |
| 1 | 0 | 4.926742 | 2.498532 | -1.021208 | 6 | 0 | 1.228737 | 0.730994 | -0.672956 |
| 6 | 0 | 9.840172 | 4.614069 | 1.582107 | 1 | 0 | -0.000001 | 2.499860 | -0.672486 |
| 7 | 0 | 9.586307 | 5.640029 | 2.060185 | 6 | 0 | 2.470045 | -1.412772 | -0.674394 |
| 6 | 0 | 9.840148 | -4.614043 | 1.582142 | 6 | 0 | 2.470044 | 1.412766 | -0.674405 |
| 7 | 0 | 9.586271 | -5.639994 | 2.060232 | 6 | 0 | 3.684260 | -0.727907 | -0.674833 |
| 6 | 0 | -9.840305 | -4.614173 | 1.581967 | 1 | 0 | 2.470487 | -2.499516 | -0.675344 |
| 7 | 0 | -9.586481 | -5.640149 | 2.060032 | 6 | 0 | 3.684260 | 0.727901 | -0.674838 |
| 6 | 0 | -9.840320 | 4.614193 | 1.581897 | 1 | 0 | 2.470485 | 2.499510 | -0.675365 |
| 7 | 0 | -9.586497 | 5.640176 | 2.059947 | 6 | 0 | 4.941765 | -1.407016 | -0.678268 |

Cor-B5-Cor-CN2

| | | | | | | | | | |
|---|---|-----------|-----------|-----------|---|---|-----------|-----------|-----------|
| 6 | 0 | 9.868485 | 1.148360 | -0.585774 | 6 | 0 | 6.152028 | 0.748935 | -0.687607 |
| 6 | 0 | 8.556596 | 0.718776 | -0.886833 | 1 | 0 | 4.924336 | 2.493121 | -0.685414 |
| 6 | 0 | 8.556596 | -0.718777 | -0.886830 | 6 | 0 | -2.470044 | -1.412773 | -0.674391 |
| 6 | 0 | 9.868485 | -1.148359 | -0.585769 | 6 | 0 | -2.470045 | 1.412764 | -0.674409 |
| 6 | 0 | 10.680546 | 0.000000 | -0.402299 | 6 | 0 | -3.684260 | -0.727909 | -0.674831 |
| 6 | 0 | 10.171077 | 2.379540 | -0.023328 | 1 | 0 | -2.470486 | -2.499518 | -0.675339 |
| 6 | 0 | 7.437646 | 1.488785 | -0.658153 | 6 | 0 | -3.684261 | 0.727899 | -0.674841 |
| 6 | 0 | 7.437647 | -1.488786 | -0.658147 | 1 | 0 | -2.470488 | 2.499509 | -0.675371 |
| 6 | 0 | 10.171079 | -2.379537 | -0.023318 | 6 | 0 | -4.941765 | -1.407020 | -0.678262 |
| 6 | 0 | 11.838368 | 0.000003 | 0.357880 | 6 | 0 | -4.941766 | 1.407008 | -0.678285 |
| 6 | 0 | 9.028528 | 3.275550 | 0.057192 | 6 | 0 | -6.152028 | -0.748942 | -0.687599 |
| 6 | 0 | 7.720453 | 2.835660 | -0.243661 | 1 | 0 | -4.924336 | -2.493129 | -0.685386 |
| 6 | 0 | 7.720454 | -2.835659 | -0.243649 | 6 | 0 | -6.152029 | 0.748930 | -0.687613 |
| 6 | 0 | 9.028530 | -3.275547 | 0.057205 | 1 | 0 | -4.924338 | 2.493117 | -0.685427 |
| 6 | 0 | 11.476164 | -2.452922 | 0.604664 | 6 | 0 | -9.211492 | 4.604773 | 0.551597 |

| | | | | |
|---|---|------------|-----------|----------|
| 7 | 0 | -9.387486 | 5.693072 | 0.958525 |
| 6 | 0 | 9.211487 | 4.604771 | 0.551634 |
| 7 | 0 | 9.387480 | 5.693067 | 0.958571 |
| 6 | 0 | 9.211491 | -4.604766 | 0.551652 |
| 7 | 0 | 9.387485 | -5.693060 | 0.958593 |
| 6 | 0 | -9.211486 | -4.604764 | 0.551692 |
| 7 | 0 | -9.387479 | -5.693055 | 0.958642 |
| 6 | 0 | -11.954381 | 3.793714 | 1.192179 |
| 7 | 0 | -12.314597 | 4.803656 | 1.634742 |
| 6 | 0 | -11.954377 | -3.793696 | 1.192255 |
| 7 | 0 | -12.314591 | -4.803629 | 1.634838 |
| 6 | 0 | 11.954382 | -3.793700 | 1.192220 |
| 7 | 0 | 12.314599 | -4.803636 | 1.634795 |
| 6 | 0 | 11.954380 | 3.793709 | 1.192205 |
| 7 | 0 | 12.314595 | 4.803648 | 1.634776 |

Sum-B5-Cor-CN2

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | -10.093292 | -1.148402 | -0.430703 |
| 6 | 0 | -10.893582 | 0.000003 | -0.200743 |
| 6 | 0 | -10.093291 | 1.148405 | -0.430702 |
| 6 | 0 | -8.800813 | 0.718815 | -0.806383 |
| 6 | 0 | -8.800813 | -0.718811 | -0.806382 |
| 6 | 0 | -10.363568 | -2.379587 | 0.147911 |
| 6 | 0 | -12.005706 | 0.000002 | 0.624762 |
| 6 | 0 | -10.363565 | 2.379591 | 0.147917 |
| 6 | 0 | -7.670554 | 1.488972 | -0.641616 |
| 6 | 0 | -7.670555 | -1.488971 | -0.641616 |
| 6 | 0 | -11.630476 | -2.453013 | 0.849624 |
| 6 | 0 | -12.410927 | -1.320577 | 1.075314 |
| 6 | 0 | -12.410924 | 1.320579 | 1.075321 |
| 6 | 0 | -11.630472 | 2.453015 | 0.849633 |
| 6 | 0 | -9.218470 | 3.275836 | 0.162961 |
| 6 | 0 | -7.929624 | 2.835645 | -0.211864 |
| 6 | 0 | -7.929627 | -2.835644 | -0.211867 |
| 6 | 0 | -9.218475 | -3.275836 | 0.162955 |
| 1 | 0 | -13.308466 | -1.425290 | 1.677602 |
| 1 | 0 | -13.308463 | 1.425292 | 1.677609 |
| 1 | 0 | -7.110632 | 3.534930 | -0.082016 |
| 1 | 0 | -7.110636 | -3.534930 | -0.082021 |
| 6 | 0 | 11.156305 | -2.526340 | 0.986664 |
| 6 | 0 | 10.006210 | -3.254015 | 0.502320 |
| 6 | 0 | 11.408689 | -1.216941 | 0.559077 |
| 6 | 0 | 9.102523 | -2.660069 | -0.412115 |
| 6 | 0 | 12.181759 | 0.000000 | 1.156971 |
| 6 | 0 | 10.574666 | -0.718478 | -0.451558 |
| 6 | 0 | 7.598892 | -2.864226 | -0.749195 |
| 6 | 0 | 9.468879 | -1.411209 | -0.917275 |
| 6 | 0 | 11.408690 | 1.216939 | 0.559071 |
| 1 | 0 | 13.240508 | 0.000000 | 0.864498 |
| 1 | 0 | 12.149510 | 0.000003 | 2.251732 |
| 6 | 0 | 10.574667 | 0.718474 | -0.451561 |
| 6 | 0 | 7.175303 | -1.457427 | -1.269096 |
| 1 | 0 | 7.441762 | -3.657612 | -1.492962 |
| 1 | 0 | 7.031661 | -3.151844 | 0.143955 |
| 6 | 0 | 8.314469 | -0.708904 | -1.422503 |
| 6 | 0 | 11.156310 | 2.526343 | 0.986653 |
| 6 | 0 | 9.468880 | 1.411203 | -0.917280 |
| 6 | 0 | 8.314470 | 0.708898 | -1.422504 |
| 6 | 0 | 10.006214 | 3.254016 | 0.502306 |
| 6 | 0 | 9.102525 | 2.660065 | -0.412123 |
| 6 | 0 | 7.175304 | 1.457421 | -1.269099 |

| | | | | |
|---|---|------------|-----------|-----------|
| 6 | 0 | 7.598894 | 2.864221 | -0.749202 |
| 1 | 0 | 7.441763 | 3.657605 | -1.492971 |
| 1 | 0 | 7.031663 | 3.151843 | 0.143948 |
| 6 | 0 | 5.909663 | 0.753041 | -1.298797 |
| 6 | 0 | 4.688456 | 1.412340 | -1.239859 |
| 6 | 0 | 5.909663 | -0.753046 | -1.298795 |
| 6 | 0 | 3.443081 | 0.730159 | -1.188994 |
| 1 | 0 | 4.675686 | 2.498820 | -1.242672 |
| 6 | 0 | 4.688455 | -1.412344 | -1.239856 |
| 6 | 0 | 3.443081 | -0.730161 | -1.188993 |
| 6 | 0 | 2.221904 | 1.413141 | -1.139117 |
| 6 | 0 | 4.675685 | -2.498824 | -1.242667 |
| 6 | 0 | 2.221902 | -1.413143 | -1.139114 |
| 6 | 0 | 0.987009 | 0.732045 | -1.085590 |
| 1 | 0 | 2.222267 | 2.499932 | -1.140176 |
| 6 | 0 | 0.987009 | -0.732047 | -1.085589 |
| 1 | 0 | 2.222266 | -2.499934 | -1.140172 |
| 6 | 0 | -0.244551 | 1.413680 | -1.031076 |
| 6 | 0 | -0.244552 | -1.413680 | -1.031075 |
| 1 | 0 | -0.244475 | 2.500429 | -1.030743 |
| 6 | 0 | -1.469243 | 0.731839 | -0.975518 |
| 6 | 0 | -1.469243 | -0.731839 | -0.975516 |
| 1 | 0 | -0.244477 | -2.500430 | -1.030739 |
| 6 | 0 | -2.711365 | -1.413126 | -0.917919 |
| 6 | 0 | -3.922808 | -0.728482 | -0.858626 |
| 1 | 0 | -2.711873 | -2.499928 | -0.918510 |
| 6 | 0 | -3.922807 | 0.728483 | -0.858626 |
| 6 | 0 | -5.179725 | -1.407223 | -0.797289 |
| 6 | 0 | -2.711365 | 1.413126 | -0.917920 |
| 6 | 0 | -5.179725 | 1.407224 | -0.797289 |
| 6 | 0 | -6.388395 | -0.749408 | -0.742361 |
| 1 | 0 | -5.162574 | -2.493384 | -0.804848 |
| 1 | 0 | -2.711873 | 2.499929 | -0.918511 |
| 6 | 0 | -6.388394 | 0.749409 | -0.742360 |
| 1 | 0 | -5.162574 | 2.493385 | -0.804847 |
| 6 | 0 | 9.715307 | 4.529611 | 1.080160 |
| 7 | 0 | 9.463418 | 5.579226 | 1.544826 |
| 6 | 0 | 9.715303 | -4.529608 | 1.080176 |
| 7 | 0 | 9.463413 | -5.579222 | 1.544846 |
| 6 | 0 | -9.372893 | 4.605141 | 0.666841 |
| 7 | 0 | -9.524647 | 5.693596 | 1.083020 |
| 6 | 0 | -9.372898 | -4.605139 | 0.666830 |
| 7 | 0 | -9.524655 | -5.693596 | 1.083005 |
| 6 | 0 | -12.074303 | 3.793934 | 1.463268 |
| 7 | 0 | -12.408618 | 4.803978 | 1.925487 |
| 6 | 0 | -12.074311 | -3.793934 | 1.463255 |
| 7 | 0 | -12.408629 | -4.803978 | 1.925470 |
| 6 | 0 | 11.984820 | 3.184168 | 2.105776 |
| 7 | 0 | 12.608893 | 3.679673 | 2.948751 |
| 6 | 0 | 11.984816 | -3.184164 | 2.105788 |
| 7 | 0 | 12.608889 | -3.679667 | 2.948764 |

Sum-B5-Sum-CN2

| | | | | |
|---|---|-----------|-----------|-----------|
| 6 | 0 | 12.329999 | 0.000002 | 1.378285 |
| 6 | 0 | 7.825020 | -2.863887 | -0.705123 |
| 6 | 0 | 7.825022 | 2.863886 | -0.705135 |
| 1 | 0 | 13.399617 | 0.000002 | 1.128358 |
| 1 | 0 | 12.254118 | 0.000005 | 2.470916 |
| 1 | 0 | 7.696613 | -3.658014 | -1.453582 |
| 1 | 0 | 7.223170 | -3.150201 | 0.165512 |
| 1 | 0 | 7.696615 | 3.658010 | -1.453598 |

| | | | | | | | | | |
|---|---|------------|-----------|-----------|---|---|------------|-----------|-----------|
| 1 | 0 | 7.223171 | 3.150205 | 0.165499 | 6 | 0 | 2.468247 | -1.413448 | -1.318476 |
| 6 | 0 | 10.787099 | -0.718560 | -0.291910 | 6 | 0 | 3.688961 | -0.730670 | -1.316282 |
| 6 | 0 | 9.700099 | -1.411070 | -0.800279 | 1 | 0 | 2.468663 | -2.500289 | -1.319560 |
| 6 | 0 | 9.700100 | 1.411067 | -0.800285 | 6 | 0 | 2.468248 | 1.413445 | -1.318481 |
| 6 | 0 | 10.787099 | 0.718559 | -0.291913 | 6 | 0 | 3.688961 | 0.730665 | -1.316285 |
| 6 | 0 | 8.566558 | 0.709096 | -1.350979 | 6 | 0 | 4.936514 | -1.412573 | -1.314918 |
| 6 | 0 | 8.566558 | -0.709100 | -1.350976 | 1 | 0 | 2.468664 | 2.500285 | -1.319569 |
| 6 | 0 | 11.581285 | -1.217009 | 0.750239 | 6 | 0 | 4.936514 | 1.412569 | -1.314923 |
| 6 | 0 | 9.314511 | -2.660127 | -0.309812 | 6 | 0 | 6.158435 | -0.753454 | -1.323534 |
| 6 | 0 | 9.314512 | 2.660127 | -0.309823 | 1 | 0 | 4.923825 | -2.499111 | -1.318172 |
| 6 | 0 | 11.581286 | 1.217012 | 0.750234 | 6 | 0 | 6.158435 | 0.753449 | -1.323537 |
| 6 | 0 | 7.422460 | 1.457467 | -1.242409 | 1 | 0 | 4.923826 | 2.499107 | -1.318180 |
| 6 | 0 | 7.422459 | -1.457470 | -1.242403 | 6 | 0 | 9.869833 | 4.530046 | 1.204347 |
| 6 | 0 | 11.312744 | -2.526682 | 1.167381 | 7 | 0 | 9.600622 | 5.580104 | 1.658242 |
| 6 | 0 | 10.182286 | -3.254112 | 0.638696 | 6 | 0 | 9.869832 | -4.530041 | 1.204364 |
| 6 | 0 | 10.182287 | 3.254115 | 0.638683 | 7 | 0 | 9.600620 | -5.580098 | 1.658263 |
| 6 | 0 | 11.312745 | 2.526686 | 1.167371 | 6 | 0 | -9.869829 | -4.530039 | 1.204333 |
| 6 | 0 | -7.422460 | -1.457471 | -1.242433 | 7 | 0 | -9.600615 | -5.580095 | 1.658234 |
| 6 | 0 | -7.825021 | -2.863889 | -0.705156 | 6 | 0 | -9.869831 | 4.530043 | 1.204313 |
| 6 | 0 | -8.566559 | -0.709102 | -1.351012 | 7 | 0 | -9.600618 | 5.580101 | 1.658209 |
| 6 | 0 | -7.422460 | 1.457465 | -1.242440 | 6 | 0 | -12.097789 | 3.184384 | 2.317440 |
| 1 | 0 | -7.696612 | -3.658016 | -1.453614 | 7 | 0 | -12.689120 | 3.679794 | 3.183752 |
| 1 | 0 | -7.223173 | -3.150202 | 0.165481 | 6 | 0 | -12.097787 | -3.184376 | 2.317454 |
| 6 | 0 | -9.314512 | -2.660128 | -0.309847 | 7 | 0 | -12.689118 | -3.679782 | 3.183767 |
| 6 | 0 | -9.700101 | -1.411071 | -0.800316 | 6 | 0 | 12.097790 | 3.184387 | 2.317472 |
| 6 | 0 | -8.566559 | 0.709095 | -1.351015 | 7 | 0 | 12.689122 | 3.679799 | 3.183782 |
| 6 | 0 | -7.825023 | 2.863885 | -0.705169 | 6 | 0 | 12.097788 | -3.184380 | 2.317485 |
| 6 | 0 | -10.182286 | -3.254112 | 0.638663 | 7 | 0 | 12.689121 | -3.679788 | 3.18379 |
| 6 | 0 | -10.787101 | -0.718562 | -0.291948 | | | | | |
| 6 | 0 | -9.700102 | 1.411066 | -0.800323 | | | | | |
| 1 | 0 | -7.696614 | 3.658009 | -1.453631 | | | | | |
| 1 | 0 | -7.223175 | 3.150203 | 0.165466 | | | | | |
| 6 | 0 | -9.314514 | 2.660125 | -0.309859 | | | | | |
| 6 | 0 | -11.312743 | -2.526681 | 1.167348 | | | | | |
| 6 | 0 | -10.787101 | 0.718558 | -0.291951 | | | | | |
| 6 | 0 | -11.581286 | -1.217010 | 0.750203 | | | | | |
| 6 | 0 | -10.182287 | 3.254113 | 0.638648 | | | | | |
| 6 | 0 | -11.581286 | 1.217010 | 0.750198 | | | | | |
| 6 | 0 | -12.329999 | 0.000002 | 1.378250 | | | | | |
| 6 | 0 | -11.312745 | 2.526684 | 1.167337 | | | | | |
| 1 | 0 | -13.399616 | 0.000001 | 1.128322 | | | | | |
| 1 | 0 | -12.254119 | 0.000004 | 2.470881 | | | | | |
| 6 | 0 | -6.158435 | -0.753454 | -1.323557 | | | | | |
| 6 | 0 | -6.158435 | 0.753449 | -1.323560 | | | | | |
| 6 | 0 | -4.936514 | -1.412574 | -1.314936 | | | | | |
| 6 | 0 | -4.936514 | 1.412569 | -1.314942 | | | | | |
| 6 | 0 | -3.688961 | -0.730670 | -1.316295 | | | | | |
| 1 | 0 | -4.923825 | -2.499112 | -1.318190 | | | | | |
| 6 | 0 | -3.688962 | 0.730665 | -1.316299 | | | | | |
| 1 | 0 | -4.923826 | 2.499107 | -1.318201 | | | | | |
| 6 | 0 | -2.468247 | -1.413449 | -1.318484 | | | | | |
| 6 | 0 | -2.468247 | 1.413444 | -1.318491 | | | | | |
| 6 | 0 | -1.229945 | -0.732774 | -1.318643 | | | | | |
| 1 | 0 | -2.468663 | -2.500289 | -1.319568 | | | | | |
| 6 | 0 | -1.229945 | 0.732770 | -1.318646 | | | | | |
| 1 | 0 | -2.468664 | 2.500285 | -1.319580 | | | | | |
| 6 | 0 | 0.000000 | -1.414124 | -1.318816 | | | | | |
| 6 | 0 | 0.000000 | 1.414120 | -1.318823 | | | | | |
| 6 | 0 | 1.229944 | -0.732773 | -1.318639 | | | | | |
| 1 | 0 | 0.000000 | -2.500920 | -1.318615 | | | | | |
| 6 | 0 | 1.229944 | 0.732770 | -1.318642 | | | | | |
| 1 | 0 | 0.000000 | 2.500916 | -1.318626 | | | | | |

Table S2: Total energy (in hartrees) of various acene fused buckybowls at B3LYP/6-31G(d) (TE1) and B3LYP/6-31G(d)//B3LYP/6-31G (TE2) level of theory. The difference between TE1 and TE2 (ΔE in kcal/mol).

| Str. | TE1 | TE2 | ΔE (TE1-TE2) |
|----------------|--------------|--------------|----------------------|
| Cor-B1-Cor | -1611.352881 | -1611.352247 | 0.40 |
| Sum-B1-Cor | -1650.625587 | -1650.624833 | 0.47 |
| Sum-B1-Sum | -1689.895630 | -1689.894756 | 0.55 |
| Cor-B2-Cor | -1764.993991 | -1764.993312 | 0.43 |
| Sum-B2-Cor | -1804.263657 | -1804.262858 | 0.50 |
| Sum-B2-Sum | -1843.532046 | -1843.531121 | 0.58 |
| Cor-B3-Cor | -1918.631011 | -1918.630289 | 0.45 |
| Sum-B3-Cor | -1957.899221 | -1957.898376 | 0.53 |
| Sum-B3-Sum | -1997.166771 | -1997.165802 | 0.61 |
| Cor-B4-Cor | -2072.266099 | -2072.265336 | 0.48 |
| Sum-B4-Cor | -2111.533567 | -2111.532680 | 0.56 |
| Sum-B4-Sum | -2150.800669 | -2150.799658 | 0.63 |
| Cor-B5-Cor | -2225.900179 | -2225.899373 | 0.51 |
| Sum-B5-Cor | -2265.167251 | -2265.166322 | 0.58 |
| Sum-B5-Sum | -2304.434112 | -2304.433057 | 0.66 |
| Cor-B5-Cor-F | -2622.832243 | -2622.826578 | 3.55 |
| Sum-B5-Cor-F | -2662.099593 | -2662.093886 | 3.58 |
| Sum-B5-Sum-F | -2701.366719 | -2701.360963 | 3.61 |
| Cor-B5-Cor-CN | -2594.872983 | -2594.871140 | 1.16 |
| Sum-B5-Cor-CN | -2634.142508 | -2634.140537 | 1.24 |
| Sum-B5-Sum-CN | -2673.411727 | -2673.409624 | 1.32 |
| Cor-B5-Cor-CN2 | -2963.808195 | -2963.806195 | 1.26 |
| Sum-B5-Cor-CN2 | -3003.083514 | -3003.081514 | 1.26 |
| Sum-B5-Sum-CN2 | -3042.358604 | -3042.356604 | 1.26 |
| Cor-B1-Cor-B | -1584.772715 | -1584.772061 | 0.41 |
| Cor-B2-Cor-B | -1738.413821 | -1738.413127 | 0.44 |
| Cor-B3-Cor-B | -1892.051249 | -1892.050515 | 0.46 |
| Cor-B4-Cor-B | -2045.687134 | -2045.686360 | 0.49 |
| Cor-B5-Cor-B | -2199.322136 | -2199.321322 | 0.51 |
| Sum-B1-Cor-B | -1624.052196 | -1624.051390 | 0.51 |
| Sum-B1-Sum-B | -1663.329180 | -1663.328226 | 0.60 |
| Sum-B2-Cor-B | -1777.690974 | -1777.690126 | 0.53 |
| Sum-B2-Sum-B | -1816.966243 | -1816.965246 | 0.63 |
| Sum-B3-Cor-B | -1931.327342 | -1931.326451 | 0.56 |
| Sum-B3-Sum-B | -1970.601433 | -1970.600393 | 0.65 |
| Sum-B4-Cor-B | -2084.968178 | -2084.967245 | 0.59 |
| Sum-B4-Sum-B | -2124.235668 | -2124.234582 | 0.68 |
| Sum-B5-Cor-B | -2238.601564 | -2238.600588 | 0.61 |
| Sum-B5-Sum-B | -2277.869289 | -2277.868162 | 0.71 |
| Cor-B1-Cor-N | -1644.539198 | -1644.538201 | 0.63 |
| Cor-B2-Cor-N | -1798.180387 | -1798.179187 | 0.75 |
| Cor-B3-Cor-N | -1951.818047 | -1951.816996 | 0.66 |
| Cor-B4-Cor-N | -2105.453906 | -2105.452822 | 0.68 |
| Cor-B5-Cor-N | -2259.088771 | -2259.087651 | 0.70 |
| Sum-B1-Cor-N | -1683.802088 | -1683.800938 | 0.72 |
| Sum-B1-Sum-N | -1723.061447 | -1723.060076 | 0.86 |
| Sum-B2-Cor-N | -1837.441393 | -1837.440214 | 0.74 |
| Sum-B2-Sum-N | -1876.701558 | -1876.700194 | 0.86 |
| Sum-B3-Cor-N | -1991.078706 | -1991.077494 | 0.76 |
| Sum-B3-Sum-N | -2030.339288 | -2030.337905 | 0.87 |
| Sum-B4-Cor-N | -2144.720697 | -2144.719419 | 0.80 |
| Sum-B4-Sum-N | -2183.975325 | -2183.973907 | 0.89 |
| Sum-B5-Cor-N | -2298.348430 | -2298.347121 | 0.82 |
| Sum-B5-Sum-N | -2337.610259 | -2337.608805 | 0.91 |

Table 2: Total energy (in hartrees) at B3LYP/6-311+G(d)//B3LYP/6-31G (TE1) and B3LYP/6-311+G(d)//B3LYP/6-31G(d) (TE2) level of theory. The difference between TE1 and TE2 (ΔE in kcal/mol).

| Str. | TE1 | TE2 | ΔE (TE1-TE2) |
|------------|--------------|--------------|----------------------|
| Cor-B1-Cor | -1611.672863 | -1611.671771 | 0.69 |
| Sum-B1-Cor | -1650.953624 | -1650.952334 | 0.81 |
| Sum-B1-Sum | -1690.231686 | -1690.230201 | 0.93 |
| Cor-B2-Cor | -1765.344041 | -1765.342864 | 0.74 |
| Sum-B2-Cor | -1804.621803 | -1804.620455 | 0.85 |
| Sum-B2-Sum | -1843.898086 | -1843.896724 | 0.85 |
| Cor-B3-Cor | -1919.011185 | -1919.009934 | 0.78 |
| Sum-B3-Cor | -1958.28751 | -1958.286052 | 0.92 |
| Sum-B3-Sum | -1997.563126 | -1997.561464 | 1.04 |
| Cor-B4-Cor | -2072.67636 | -2072.675087 | 0.80 |
| Sum-B4-Cor | -2111.951943 | -2111.950402 | 0.97 |
| Sum-B4-Sum | -2151.227135 | -2151.225389 | 1.10 |
| Cor-B5-Cor | -2226.340554 | -2226.339142 | 0.89 |
| Sum-B5-Cor | -2265.615775 | -2265.614181 | 1.00 |
| Sum-B5-Sum | -2304.890681 | -2304.888881 | 1.13 |