Supplementary file

An enquiry on appropriate selection of polymers for preparation of polymeric nanosorbents and nanofiltration/ultrafiltration membranes for hormone micropollutants removal from water effluents

**Content list:**

**Table 4.** database of 452 polymers collected from Ref. [1] (for acronyms refer to ref. [1])

**Table 5.** The calculated values of Δa=|δa,1-δa,2| for polymers (system numbers as listed in Table 1 and Table 4)

**Table 4. database of 452 polymers collected from Ref. [**[**1**](#_ENREF_1)**] (for acronyms refer to ref. [**[**1**](#_ENREF_1)**])**

| **No.** | **Polymer** | **Dispersion**  **(MPa0.5)** | **Polar**  **(MPa0.5)** | **Hydrogen Bonding**  **(MPa0.5)** |
| --- | --- | --- | --- | --- |
| 1 | 1001 | 20 | 10.32 | 10.11 |
| 1 | CELLIT BP-300 | 16.6 | 12 | 6.7 |
| 2 | 1004 | 17.4 | 10.5 | 9 |
| 2 | CELLIDORA A | 18.2 | 12.4 | 10.8 |
| 3 | ETHOCEL HE 10 | 17.9 | 4.3 | 3.9 |
| 4 | ETHOCEL STD 20 | 20.1 | 6.9 | 5.9 |
| 5 | ARALD DY025 | 14 | 7.4 | 9.4 |
| 6 | EPIKOTE 828 | 23.1 | 14.6 | 5 |
| 9 | 1007 | 21 | 11.1 | 13.4 |
| 10 | 1009 | 19.3 | 9.37 | 10.95 |
| 11 | PKHH | 23.4 | 7.2 | 14.8 |
| 12 | VERSAMID 100 | 23.8 | 5.3 | 16.2 |
| 13 | VERSAMID 115 | 20.3 | 6.6 | 14.1 |
| 14 | VERSAMID 125 | 24.9 | 3.1 | 18.7 |
| 15 | VERSAMID 140 | 26.9 | 2.4 | 18.5 |
| 16 | DESMOPHEN 651 | 17.7 | 10.6 | 11.6 |
| 17 | DESMOPHEN 800 | 19.1 | 12.2 | 9.9 |
| 18 | DESMOPHEN 850 | 21.54 | 14.94 | 12.28 |
| 19 | DESMOPHEN 1100 | 16 | 13.1 | 9.2 |
| 20 | DESMOPHEN 1150 | 20.6 | 7.8 | 11.6 |
| 21 | DESMOPHEN 1200 | 19.4 | 7.4 | 6 |
| 22 | DESMOPHEN 1700 | 17.9 | 9.6 | 5.9 |
| 23 | DESMOLAC 4200 | 18.7 | 9.6 | 9.9 |
| 24 | M-NAL SM510N | 19.9 | 8.1 | 6 |
| 25 | SUP BECK 1001 | 23.26 | 6.55 | 8.35 |
| 26 | PHENODUR 373U | 19.74 | 11.62 | 14.59 |
| 27 | P-LYTE S-100 | 16.47 | 0.37 | 2.84 |
| 28 | PICCOPALE 110 | 17.55 | 1.19 | 3.6 |
| 29 | P-RONE 450L | 19.42 | 5.48 | 5.77 |
| 30 | POLYSAR 5630 | 17.55 | 3.35 | 2.7 |
| 31 | HYCAR 1052 | 18.62 | 8.78 | 4.17 |
| 32 | BUNA HULS B10 | 17.53 | 2.25 | 3.42 |
| 33 | C-FLEX IR305 | 16.57 | 1.41 | -0.82 |
| 34 | LUTONAL IC/1203 | 14.2 | 2.5 | 4.6 |
| 35 | LUTONAL I60 | 16.9 | 2.5 | 4 |
| 36 | PVB ETHER | 17.4 | 4.3 | 8.4 |
| 37 | LIGNIN | 20.17 | 14.61 | 15.04 |
| 38 | MODAFLOW | 16.1 | 3.7 | 7.9 |
| 39 | VIPLA KR | 18.4 | 6.6 | 8 |
| 40 | CERECLOR 70 | 20 | 8.3 | 6.8 |
| 41 | CHLOROPAR 40 | 17 | 7.6 | 7.9 |
| 42 | PERGUT S 5 | 17.4 | 9.5 | 3.8 |
| 43 | ALLOPREN R10 | 17.4 | 4.3 | 3.9 |
| 44 | PARLON P 10 | 20.26 | 6.32 | 5.4 |
| 45 | HYPALON 20 | 18.1 | 3.4 | 4.9 |
| 46 | HYPALON 30 | 18.2 | 4.7 | 2 |
| 47 | ALPEX | 19.9 | 0 | 0 |
| 48 | NITRO CEL H23 | 15.41 | 14.73 | 8.84 |
| 49 | CELLOLYN 102 | 21.73 | 0.94 | 8.53 |
| 50 | PENTALYN 255 | 17.55 | 9.37 | 14.32 |
| 51 | PENTALYN 830 | 20.03 | 5.81 | 10.93 |
| 52 | ESTER GUM BL | 19.64 | 4.73 | 7.77 |
| 53 | VERSAMID 930 | 17.43 | -1.92 | 14.89 |
| 54 | VERSAMID 961 | 18.9 | 9.6 | 11.1 |
| 55 | VERSAMID 965 | 20.15 | 6.04 | 12.9 |
| 56 | DES-DUR L | 17.5 | 11.3 | 5.9 |
| 57 | DES-DUR N | 17.6 | 10 | 3.7 |
| 58 | SUPRAS F5100 | 19.7 | 12.9 | 12.8 |
| 59 | MOW-AL B30H | 18.6 | 12.9 | 10.3 |
| 60 | MOW-AL B60H | 20.2 | 11.2 | 13.3 |
| 61 | BUTVAR B76 | 18.6 | 4.36 | 13.03 |
| 62 | LUCITE 2042 | 17.6 | 9.66 | 3.97 |
| 63 | LUCITE 2044 | 16.2 | 6.8 | 5.7 |
| 64 | P-GUM MB319 | 18.6 | 10.8 | 4.1 |
| 65 | P-GUM M527 | 18.4 | 9.4 | 6.5 |
| 66 | PMMA | 18.64 | 10.52 | 7.51 |
| 67 | MOWILITH 50 | 20.93 | 11.27 | 9.66 |
| 68 | P-STYRENE LG | 22.28 | 5.75 | 4.3 |
| 69 | LAROFLEX MP45 | 18.4 | 8.4 | 5.8 |
| 70 | VILIT MB 30 | 20 | 8.3 | 6.7 |
| 71 | VILIT MC 31 | 20 | 8.3 | 6.7 |
| 72 | VILIT MC 39 | 18.4 | 7.6 | 6.7 |
| 73 | V-LITE VAGD | 17.1 | 10.4 | 6.5 |
| 74 | V-LITE VAGH | 16.5 | 10.9 | 6.4 |
| 75 | V-LITE VMCA | 17.7 | 11.1 | 6.9 |
| 76 | V-LITE VMCC | 17.6 | 11.1 | 6.8 |
| 77 | V-LITE VMCH | 17.6 | 11.1 | 6.4 |
| 78 | V-LITE VYHH | 17.4 | 10.2 | 5.9 |
| 79 | V-LITE VYLF | 18.1 | 10.3 | 4.2 |
| 80 | ALF AC 366 | 18.6 | 10 | 5 |
| 81 | ALF AM 756 | 23 | 2.2 | 4.2 |
| 82 | ALF AN 896 | 22.9 | 15.2 | 7.6 |
| 83 | ALF AN 950 | 22.6 | 13.8 | 8.1 |
| 84 | ALF AT 316 | 20.5 | 9.3 | 9.1 |
| 85 | LAF AT 576 | 19.2 | 5.3 | 6.3 |
| 86 | ALK F261HS | 23.6 | 1 | 7.6 |
| 87 | ALK F41 | 20.6 | 4.6 | 5.5 |
| 88 | DURO T354 | 17.3 | 4.2 | 7.9 |
| 89 | DYNAPOL L812 | 22.6 | 13.1 | 5.8 |
| 90 | DYNAPOL L850 | 20 | 6.2 | 7 |
| 91 | PLEXAL C-34 | 18.5 | 9.21 | 4.91 |
| 92 | SOALK 1935-EGAX | 18 | 11.6 | 8.5 |
| 93 | VEST-IT BL908 | 18.8 | 12 | 6 |
| 94 | VEST-IT BL915 | 17.7 | 13 | 7.6 |
| 95 | BE 370 | 20.7 | 6.1 | 12.7 |
| 96 | BEETLE 681 | 22.2 | -0.4 | 10.1 |
| 97 | CYMEL 300 | 19.35 | 12.83 | 12.87 |
| 98 | CYMEL 325 | 25.5 | 15.2 | 9.5 |
| 99 | DYNOMIN MM9 | 18.8 | 14 | 12.3 |
| 100 | DYNOMIN UM15 | 19.9 | 15.8 | 13.4 |
| 101 | SOAMIN M60 | 15.9 | 8.1 | 6.5 |
| 102 | SYNR A 560 | 22.1 | 5 | 11.3 |
| 103 | PLASTOPALH | 20.81 | 8.29 | 14.96 |
| 104 | UFORM MX-61 | 22.7 | 2.8 | 5.4 |
| 105 | PARALOID P400 | 19.2 | 9.6 | 9.3 |
| 106 | P-LOID P410 | 19.6 | 9.1 | 6.8 |
| 107 | P QR 954 | 18.4 | 9.8 | 10 |
| 108 | BAYSILONUD125 | 19.4 | 9.9 | 10.1 |
| 109 | TEFLON (SL2-) | 17.1 | 8.1 | 1.3 |
| 110 | DEN 438 | 20.3 | 15.4 | 5.3 |
| 111 | DEN 444 | 19.5 | 11.6 | 9.3 |
| 112 | ZINK SILICATE (CR) | 23.5 | 17.5 | 16.8 |
| 113 | 2-COMP EPOXY (CR) | 18.4 | 9.4 | 10.1 |
| 114 | POLYVINYLIDINE FLUORIDE | 17 | 12.1 | 10.2 |
| 115 | COAL TAR PITCH | 18.7 | 7.5 | 8.9 |
| 116 | NR 20 MIN | 17.5 | 7.3 | 6.5 |
| 117 | NR 1 HR | 16.6 | 9.1 | 4.4 |
| 118 | NR 4 HR | 19 | 12.6 | 3.8 |
| 119 | BR 20 MIN | 16.5 | 1 | 5.1 |
| 120 | BR 1 h | 15.8 | -2.1 | 4 |
| 121 | BR 4 h (2) | 17.6 | 2.1 | 2.1 |
| 122 | NAT 20 min | 14.5 | 7.3 | 4.5 |
| 123 | NAT 1 h | 15.6 | 3.4 | 9.1 |
| 124 | NAT 4 h | 19.4 | 13.2 | 7.7 |
| 125 | PVC 20 min | 16.1 | 7.1 | 5.9 |
| 126 | PVC 1 h | 14.9 | 11.1 | 3.8 |
| 127 | PVC 4 h | 24.4 | 4.9 | 9.9 |
| 128 | PVA 20 min | 11.2 | 12.4 | 13 |
| 129 | PVA 1 h | 15.3 | 13.2 | 13.5 |
| 130 | PVA 4 h | 17.2 | 13.6 | 15.4 |
| 131 | PE 20 min | 16.9 | 3.3 | 4.1 |
| 132 | PE 1 h | 17.1 | 3.1 | 5.2 |
| 133 | PE 4 h | 24.1 | 14.9 | 0.3 |
| 134 | VIT 20 min | 10.9 | 14.5 | 3.1 |
| 135 | VIT 1 h | 16.5 | 8.1 | 8.3 |
| 136 | VIT 4 h | 13.6 | 15.4 | 8.6 |
| 137 | NEO 20 min | 17.6 | 2.5 | 5.9 |
| 138 | NEO 1 h | 19 | 8 | 0 |
| 139 | NEO 4 h | 14.6 | 13.9 | 2.3 |
| 140 | CH 5100 | 16.6 | 5.4 | 4 |
| 141 | CH 5200 | 16.6 | 6 | 4.8 |
| 142 | PVDC (110) | 17.6 | 9.1 | 7.8 |
| 143 | PVDC (130) | 20.4 | 10 | 10.2 |
| 144 | PES C=1 | 18.7 | 10.5 | 7.6 |
| 145 | PES L B+C=1 | 17.7 | 9.7 | 6.4 |
| 146 | PPS CR 93 | 18.8 | 4.8 | 6.8 |
| 147 | PPS TS60%12MO | 18.7 | 5.3 | 3.7 |
| 148 | PA6 CR | 17 | 3.4 | 10.6 |
| 149 | PA66 SOL | 17.4 | 9.8 | 14.6 |
| 150 | PA11 CR | 17 | 4.4 | 10.6 |
| 151 | POMH + POMC | 17.1 | 3.1 | 10.7 |
| 152 | PETP CR | 18.2 | 6.4 | 6.6 |
| 153 | PTFE L80 CR | 16.2 | 1.8 | 3.4 |
| 154 | PMMA CR | 16 | 5 | 12 |
| 155 | PE? | 16.8 | 5.4 | 2.4 |
| 156 | PPO CR | 17.9 | 3.1 | 8.5 |
| 157 | PUR CR | 18.1 | 9.3 | 4.5 |
| 158 | ABS CR | 16.3 | 2.7 | 7.1 |
| 159 | PSU CR | 16 | 6 | 6.6 |
| 160 | VINYL SIL BEERB | 16.4 | 3.7 | 4.5 |
| 161 | CELLOPHAN SW | 16.1 | 18.5 | 14.5 |
| 162 | EVOH SOL | 20.5 | 10.5 | 12.3 |
| 163 | SARANEX 4 h | 17.7 | 18.3 | 0.7 |
| 164 | 4H 35 DEG | 19.4 | 13.4 | 18 |
| 165 | 4H- 58 35D | 20.5 | 11.3 | 10.3 |
| 166 | PVALC | 15 | 17.2 | 17.8 |
| 167 | ACETAL CELANESE | 21.1 | 9.3 | 5.9 |
| 168 | ACETALHOMO-DUO | 19 | 5 | 8 |
| 169 | CEL ACET | 16.9 | 16.3 | 3.7 |
| 170 | CAB | 17.2 | 13.8 | 2.8 |
| 171 | CAP | 9.8 | 13.6 | 11.4 |
| 172 | CTFE | 14.1 | 2.7 | 5.5 |
| 173 | FEP | 19 | 4 | 3 |
| 174 | FURAN | 19 | 6 | 8 |
| 175 | FURF ALC | 19.9 | 3.9 | 5.1 |
| 176 | PFA (?) | 16.7 | 7.7 | -0.5 |
| 177 | PHENOLIC | 21.6 | 5.2 | 18.8 |
| 178 | PETG | 18 | 3 | 4 |
| 179 | HDPE | 18 | 0 | 2 |
| 180 | PP | 18 | 0 | 1 |
| 181 | ECTFE HT | 19.5 | 7.3 | 1.7 |
| 182 | PAN | 21.7 | 14.1 | 9.1 |
| 183 | PEI1200PSI | 17.2 | 6.4 | 5.2 |
| 184 | PEI 2400 PSI | 17.4 | 4.6 | 9 |
| 185 | PEI 600 PSI | 17.3 | 5.3 | 4.7 |
| 186 | ESTER GUM | 16.9 | 4.5 | 6.5 |
| 187 | ALKYD 45 SOYA | 17.5 | 2.3 | 7.7 |
| 188 | SILDC-1107? | 19.6 | 3.4 | 10.8 |
| 189 | PVETHYLETHER? | 15.1 | 3.1 | 11.9 |
| 190 | PBUTYLACRYLATE | 16.2 | 9 | 3 |
| 191 | PBMA? | 15.9 | 5.5 | 5.9 |
| 192 | SILICONE DC 23? | 16.4 | 0 | 7.8 |
| 193 | PE | 16 | 0.8 | 2.8 |
| 194 | GILSONITE | 17.1 | 2.1 | 3.9 |
| 195 | PVBUTETH | 17.4 | 3.4 | 7.8 |
| 196 | NAT RUBBER | 16 | 4 | 6 |
| 197 | HYP 20 CHLSULPE | 17.4 | 3.2 | 4 |
| 198 | ETHCEL N22? | 22.7 | 0.5 | 16.5 |
| 199 | CHLRUBBER | 17.9 | 6.3 | 5.1 |
| 200 | DAMMAR GUM | 18.4 | 4.2 | 7.8 |
| 201 | VERSAMID 100? | 18.8 | 3 | 9.2 |
| 202 | PS | 18.5 | 4.5 | 2.9 |
| 203 | PVAC | 17.6 | 2.2 | 4 |
| 204 | PVC | 17.6 | 7.8 | 3.4 |
| 205 | PHENOLICS | 19.8 | 7.2 | 10.8 |
| 206 | BUNA N BDEACN | 17.8 | 3.2 | 3.4 |
| 207 | PMMA | 18.1 | 10.5 | 5.1 |
| 208 | PEO 4000 | 21.5 | 10.9 | 13.1 |
| 209 | PESULFIDE | 17.8 | 3.8 | 2.2 |
| 210 | PC | 18.1 | 5.9 | 6.9 |
| 211 | PLIOLITE P1230 | 18.1 | 4.7 | 3.7 |
| 212 | MYLAR PET | 18 | 6.2 | 6.2 |
| 213 | VCVA COPOLY | 17.3 | 8.7 | 6.1 |
| 214 | PUR | 17.9 | 6.9 | 3.7 |
| 215 | SAN | 16.6 | 9.8 | 7.6 |
| 216 | VINSOL ROSIN | 17.4 | 10 | 13 |
| 217 | EPON 1001 | 17 | 9.6 | 7.8 |
| 218 | SHELLAC | 19.7 | 10.1 | 15.1 |
| 219 | PMACN | 17.2 | 14.4 | 7.6 |
| 220 | CELLACET | 18.3 | 16.5 | 11.9 |
| 221 | CELLNIT | 16.9 | 13.5 | 10.3 |
| 222 | PVOH | 17 | 9 | 18 |
| 223 | NYLON 66 | 16 | 11 | 24 |
| 224 | ACRYLOID B-44 | 19.4 | 11.2 | 4.4 |
| 225 | ACRYLOID B-66 | 18 | 9 | 3 |
| 226 | ACRYLOID B-72 | 19.2 | 11.2 | 1.8 |
| 227 | ACRYLOID B-82 | 19.1 | 9.1 | 3.3 |
| 228 | R+H PBA | 16 | 8 | 8 |
| 229 | R+H PIBMA | 20.7 | 4.1 | 10.7 |
| 230 | R+H PNBMA | 16 | 6.2 | 6.6 |
| 231 | R+H PEMA | 19 | 9 | 8 |
| 232 | R+H PMAA | 25.6 | 11.2 | 19.6 |
| 233 | R+H PMMA | 19.1 | 11.3 | 4.1 |
| 234 | BMA/AN 80/20 | 17.5 | 9.9 | 4.1 |
| 235 | ISOB MALANH/CYCLOL 75/25 | 16.8 | -0.4 | 7.2 |
| 236 | MAA/EA/ST 15/38/47 | 17.6 | 5.2 | 7 |
| 237 | MAA/MA/VA 15/27.5/57.5 | 25.5 | 15.7 | 18.1 |
| 238 | MAA/MA/VA 15/17.5/67.5 | 25.5 | 15.7 | 18.1 |
| 239 | MMA/CYCLOL 58/42 | 18.7 | 9.9 | 8.7 |
| 240 | MMA/EA 50/50 | 17.5 | 9.9 | 4.1 |
| 241 | MMA/EA 25/75 | 19 | 9 | 15 |
| 242 | MMA/EA/AGE 40/40/20 | 17.6 | 9.8 | 5.6 |
| 243 | MMA/EA/AA | 15.9 | 15.9 | 11.5 |
| 244 | MMA/EA/AN 55/30/15? | 16.7 | 10.9 | 8.5 |
| 245 | MMA/EA/AN 40/40/20 | 20.4 | 13.2 | 11 |
| 246 | MMA/EA/BAMA 40/40/20 | 17.9 | 8.5 | 11.7 |
| 247 | MMA/EA/CYCLOL | 17.6 | 9.8 | 6.4 |
| 248 | MMA/EA/MAA 40/40/20 | 19 | 9 | 15 |
| 249 | MMA/EA/MAM 45/45/10 ? | 19.5 | 11.1 | 8.7 |
| 250 | MMA/EA/VBE 40/40/20 | 17.8 | 10 | 6.6 |
| 251 | ACID DEGMP | 15.3 | 13.3 | 14.9 |
| 252 | CARB DEG PTH | 19.4 | 13.4 | 11.6 |
| 253 | CRYPLEX 1473-5 | 19.2 | 9.4 | 5.6 |
| 254 | DEG ISOPH | 19.2 | 17.2 | 14.6 |
| 255 | DEG PHTH | 21 | 15.2 | 13.2 |
| 256 | DPG PHTH | 20.1 | 11.5 | 6.7 |
| 257 | DOW ADIP TEREP | 17.8 | 10.4 | 6.8 |
| 258 | DOW X-2635 MALEATE | 17.8 | 5.6 | 6.8 |
| 259 | VITEL PE LINEAR | 14.9 | 10.1 | 2.9 |
| 260 | VITEL PE101-X | 21.3 | 6.3 | 4.7 |
| 261 | HYD BIS A FUM ISPH | 17 | 4.4 | 6.2 |
| 262 | HYD BIS A PG FUM ISPH | 18.7 | 8.9 | 5.5 |
| 263 | PENTA BENZ MAL | 19.4 | 12.2 | 10.2 |
| 264 | SOL MYLAR 49001 | 19 | 5 | 4 |
| 265 | SOL MYLAR 49002 | 19 | 5 | 5 |
| 266 | TEG EG MAL TEREP | 18.8 | 11.4 | 9.2 |
| 267 | TEG MALEATE | 18.1 | 13.9 | 12.1 |
| 268 | VAREZ 123 | 17.3 | 10.9 | 11.9 |
| 269 | AMOCO 18-290 | 19.3 | 3.7 | 7.9 |
| 270 | BUTON100 BUTAD-STY | 17 | 4 | 3 |
| 271 | BUTON 300 | 17.3 | 3.7 | 7.3 |
| 272 | KOPPERS KTPL-A | 19.3 | 3.7 | 7.9 |
| 273 | RUBBER MOD PS | 20 | 5 | 1 |
| 274 | STY MAL ANH | 23.4 | 13.8 | 15.2 |
| 275 | LYTRON 820 | 21.1 | 13.1 | 14.5 |
| 276 | MARBON 9200 | 19 | 4 | 4 |
| 277 | PARAPOL S-50 | 17.9 | 3.9 | 4.9 |
| 278 | PARAPOL S-60 | 17.9 | 3.9 | 4.9 |
| 279 | PICCOFLEX 120 | 17.4 | 7.8 | 3.8 |
| 280 | SHELL POLYALDEHYDE EX39 | 19.6 | 10 | 3.6 |
| 281 | SHELL POLYALDEHYDE EX40 | 19.6 | 10 | 3.6 |
| 282 | SHELL X-450 | 19.3 | 9.5 | 11.1 |
| 283 | SMA 1430A | 18.8 | 11.4 | 16.4 |
| 284 | SAN 85/15 | 19.1 | 9.5 | 3.1 |
| 285 | STY/BUTENOL 85/15 | 17.4 | 7.8 | 3.8 |
| 286 | STY/CYCLOL 82/18 | 18.2 | 5.6 | 7.2 |
| 287 | STY/2EHA/AA 81/11/8 | 17.7 | 4.9 | 5.9 |
| 288 | STY/MAA 90/10 | 18.7 | 6.3 | 7.3 |
| 289 | STY/MA 85/15 | 18 | 9 | 3 |
| 290 | STY/HALF ESTER MA 60/40 | 18.9 | 10.9 | 10.7 |
| 291 | STY/PROP HALF E MA 57/43 | 18 | 9.8 | 8.4 |
| 292 | STY/VBE 85/15 | 17.4 | 7.8 | 3.8 |
| 293 | STYRON 440M-27 MOD PS | 20 | 5 | 1 |
| 294 | STYRON 475M-27 | 20 | 5 | 1 |
| 295 | STYRON 480-27 | 20 | 6 | 4 |
| 296 | ACRYLOID K120N | 17.6 | 10 | 3.8 |
| 297 | DODA 6225 | 19 | 2 | 1 |
| 298 | DODA 3457 | 19 | 2 | 1 |
| 299 | ELVAX 250 | 19 | 2 | 1 |
| 300 | ELVAX 150 | 18.7 | 2.3 | 0.7 |
| 301 | ELVAX EOD 3602-1 | 17.7 | 3.3 | 2.7 |
| 302 | EXON 470 PVC | 17.4 | 7.8 | 3.8 |
| 303 | EXON 471 | 17.9 | 8.7 | 2.5 |
| 304 | EXON 473 | 17.4 | 7.8 | 3.8 |
| 305 | GEON 121 | 19.5 | 6.7 | 11.1 |
| 306 | POLYCYCLOL a | 19 | 9 | 15 |
| 307 | PVBE | 16.7 | 3.7 | 8.3 |
| 308 | PVEE | 16 | 4 | 12 |
| 309 | FORMVAR 7/70E PVFORMAL | 22.2 | 12.6 | 14.2 |
| 310 | FORMVAR 15/95E | 22.2 | 12.6 | 14.2 |
| 311 | PVIBE | 16 | 1 | 8 |
| 312 | SARAN F-120 VCL2/AN? | 28.8 | 16.8 | 0.8 |
| 313 | SARAN F-220 ? | 28.8 | 16.8 | 0.8 |
| 314 | SINCLAIR 3840A | 18.4 | 4 | 9.6 |
| 315 | VA/EHA/MA 63/33/4 | 17.7 | 6.3 | 7.7 |
| 316 | VA/EHA/CYC/MAA/76/12/8/4 | 21.2 | 12.4 | 13 |
| 317 | VA/EA/CY 70/20/10 | 20 | 12 | 11 |
| 318 | VBE/AN/MAA 46/27/27 | 18.9 | 11.7 | 11.1 |
| 319 | VBE/MA/MAC 46/27/27 | 19.4 | 13 | 13.8 |
| 320 | VDC/AA 75/25 ? | 20.4 | 11 | 0.8 |
| 321 | VINYLITE AYAA PVAC | 22.9 | 18.3 | 7.7 |
| 322 | VINYLITE VAGH | 17 | 7.8 | 6.8 |
| 323 | VINYLITE VMCH | 18.3 | 9.7 | 7.7 |
| 324 | VINYLITE VXCC | 18 | 9.4 | 4.6 |
| 325 | VINYLITE VYHH | 19 | 11 | 5 |
| 326 | VINYLITE VYLF | 18 | 9.4 | 4.6 |
| 327 | VINYLITE XYHL PVBUTYRAL | 19 | 9 | 15 |
| 328 | VINYLITE XYSG PVBUTYRAL | 19 | 9 | 15 |
| 329 | VYSET 69 | 17.9 | 3.5 | 7.5 |
| 330 | ACRYLAMIDE MONOMER | 16.9 | 18.1 | 19.9 |
| 331 | BAKELITE SULFONE P-47 | 20 | 3 | 6 |
| 332 | BECKOLIN 27 MODIF OIL | 11.4 | 0 | 3 |
| 333 | PEO 4000 | 22.2 | 11.2 | 13.2 |
| 334 | CHLORINATED RUBBER | 18 | 6 | 5 |
| 335 | CONOCO H-35 HYDROCARBON M | 11.4 | 0 | 3 |
| 336 | DAMMAR GUM DEWAXED | 19 | 2 | 9 |
| 337 | EPOCRYL E-11 ? | 17.3 | 12.9 | 12.1 |
| 338 | ESTANE X-7 ?? DIOX ONLY | 19 | 1.8 | 7.4 |
| 339 | HEXADECYL MONOESTER TRIME | 19 | 11.6 | 14 |
| 340 | HYDR SPERM OIL WX135 | 20 | 4 | 2 |
| 341 | HYPALON 20 CHL SULF PE | 17.8 | 3.2 | 4.4 |
| 342 | HYPALON 30 | 17.8 | 3.4 | 3.2 |
| 343 | KETONE RESIN S588 | 18 | 10.8 | 13.2 |
| 344 | SANTOLITE MHP ARYLSULFONA | 18.4 | 12 | 8.4 |
| 345 | p-TOLSULFONAMIDE-FORMALDEH | 24.6 | 18.6 | 16.4 |
| 346 | VYHH-NIF REPT | 17.4 | 9.9 | 6.7 |
| 347 | PVF DMF ONLY | 17.4 | 13.7 | 11.3 |
| 348 | PES SOL MUP | 19.6 | 10.8 | 9.2 |
| 349 | LARD 37°C | 15.9 | 1.16 | 5.41 |
| 350 | LARD 23°C | 17.69 | 2.66 | 4.36 |
| 351 | 1% IN WATER –AMINES | 15.07 | 20.44 | 16.5 |
| 352 | 1% IN WATER +AMINES | 14.96 | 18.33 | 15.15 |
| 353 | BLOOD SERUM | 23.2 | 22.73 | 30.6 |
| 354 | SUCROSE | 21.67 | 26.26 | 29.62 |
| 355 | UREA | 20.9 | 18.7 | 26.4 |
| 356 | PSORIASIS SCALES | 24.64 | 11.94 | 12.92 |
| 357 | LIGNIN | 20.61 | 13.88 | 15.25 |
| 358 | CHOLESTEROL | 20.4 | 2.8 | 9.4 |
| 359 | CHLOROPHYLL | 20.2 | 15.6 | 18.2 |
| 360 | CELLULOSE-PAPER STRENGTH | 25.4 | 18.6 | 24.8 |
| 361 | PSU ULTRASON S | 19.7 | 8.3 | 8.3 |
| 362 | BAREX 210 CR | 20.1 | 9.1 | 12.7 |
| 363 | BAREX 210 CR-STYRENE | 17.7 | 8.9 | 10.9 |
| 364 | PARALOID B72 | 17.6 | 7.4 | 5.6 |
| 365 | ESTIMATE DRIED OIL | 16 | 6 | 7 |
| 366 | DAMMAR DEWAXED | 19 | 2 | 9 |
| 367 | LDPE PERM > 80 | 16.5 | 4.5 | 0.5 |
| 368 | LDPE PERM > 0.8 | 15.3 | 5.3 | 2.5 |
| 369 | TOLONATE HDT (RH-POULENC) | 19 | 11 | 3 |
| 370 | TOLONATE HDB (RH-POULENC) | 19 | 11 | 2 |
| 371 | R Acrylate rubbers (ACRYLIC) | 16.8 | 11.8 | 11.6 |
| 372 | R BUTYL | 18 | 0 | 3 |
| 373 | R Epichlorohydrin rubbers | 21.3 | 8.1 | 6.1 |
| 374 | R Chlorosulphonated polyethylene rubber | 28 | 14 | 3.4 |
| 375 | Ebonite | 18.7 | 6.1 | 2.7 |
| 376 | R ETHYLENE/PROPYLENE | 16.6 | 0 | 5.2 |
| 377 | Ethylene-propylene terpolymer | 18.6 | -3.4 | 4.4 |
| 378 | R FQ FL/SI | 15.9 | 20.1 | 6.9 |
| 379 | R FKM (VITON) 0.76 | 11.6 | 23 | 5 |
| 380 | R NR NAT RUB | 20.8 | 1.8 | 3.6 |
| 381 | R NBR | 19.8 | 17.8 | 3.2 |
| 382 | R CR CHLOROPRENE | 24.6 | 8.6 | 6.4 |
| 383 | R AU ESTER PU | 17.9 | 13.3 | 10.7 |
| 384 | R PEU ETHER PU | 17.9 | 13.3 | 10.7 |
| 385 | R T SULPHIDE | 25.3 | 17.3 | 6.7 |
| 386 | R Q SILICONE .748 | 13.8 | 5 | 1.2 |
| 387 | R SBR | 17.2 | 6 | 4.6 |
| 388 | R TFP TETFLPROP .744 | 16.6 | 6.8 | 0.6 |
| 389 | R ABS | 17.6 | 8.6 | 6.4 |
| 390 | R CELLULOSE ACETATE | 14.9 | 7.1 | 11.1 |
| 391 | R CHLORINATED PVC | 17.5 | 6.5 | 5.5 |
| 392 | R DIALLYLPHTHALATE | 22.2 | 12.2 | 8.6 |
| 393 | R POM ACETAL | 17.2 | 9 | 9.8 |
| 394 | R PA12 | 18.5 | 8.1 | 9.1 |
| 395 | R PA66 | 18.2 | 8.8 | 10.8 |
| 396 | R POLYAMIDEIMIDE | 18.5 | 5.7 | 8.7 |
| 397 | R POLYBUTYLENETEREPH | 18 | 5.6 | 8.4 |
| 398 | R POLYCARBONATE | 19.1 | 10.9 | 5.1 |
| 399 | R HDPE/LDPE | 17.5 | 4.3 | 8.3 |
| 400 | R PET | 19.1 | 6.3 | 9.1 |
| 401 | R POLYIMIDES | 24.3 | 19.5 | 22.9 |
| 402 | R PMMA | 19.3 | 16.7 | 4.7 |
| 403 | R TPX | 18.8 | 1.4 | 6.4 |
| 404 | R POLYPHENYLENEOXIDE | 16.9 | 8.9 | 2.7 |
| 405 | R POLYSULPHONE | 19.8 | 11.2 | 6.2 |
| 406 | R POLYPROPYLENE | 17.2 | 5.6 | -0.4 |
| 407 | R EPOXY COLD CURING | 16.8 | 10.8 | 8.8 |
| 408 | R EPOXY HOT CURING | 18.3 | 12.3 | 9.7 |
| 409 | R HET RESIN | 17.5 | 11.3 | 8.3 |
| 410 | R ISOPHTHALIC | 19.8 | 17.4 | 4.2 |
| 411 | R TEREPHTHALIC | 19.8 | 17.4 | 4.2 |
| 412 | EPIKOTE 828 60 | 16.6 | 14 | 2.8 |
| 413 | EPIKOTE 828 30 | 16.3 | 16.4 | 1.9 |
| 414 | EPIKOTE 1001 60 | 15.8 | 16.3 | 3.3 |
| 415 | EPIKOTE 1001 40 | 16.3 | 13.1 | 6.3 |
| 416 | EPIKOTE 1001 20 | 18.8 | 13.6 | 8.9 |
| 417 | EPIKOTE 1001 10 | 18.1 | 11.4 | 9 |
| 418 | EPIKOTE 1004 60 | 17.7 | 10.1 | 7.6 |
| 419 | EPIKOTE 1004 30 | 18.5 | 9.3 | 8 |
| 420 | EPIKOTE 1007 30 | 18.6 | 10.6 | 8.1 |
| 421 | EPIKOTE 1009 60 | 17 | 9.6 | 8.5 |
| 422 | EPIKOTE 1009 30 | 19.8 | 10.6 | 10.3 |
| 423 | EPIKOTE 1009 10 | 19 | 9.1 | 10.7 |
| 424 | PIBMA 10 | 17 | 4.6 | 7.6 |
| 425 | PIBMA 30 | 17.1 | 5.9 | 0.7 |
| 426 | PMMA 10 | 17.8 | 10.4 | 2.9 |
| 427 | PMMA 30 | 17.2 | 7.2 | 3.5 |
| 428 | PBMA 10 | 20.6 | 3.5 | 7.2 |
| 429 | PBMA 30 | 18.1 | 5.7 | 0 |
| 430 | PMMA 10 | 17.6 | 10.1 | 5.8 |
| 431 | PMMA 30 | 17.5 | 5.5 | 3.8 |
| 432 | PEMA 10 | 16.5 | 8.7 | 5 |
| 433 | PEMA 30 | 16.9 | 7.8 | 0.5 |
| 434 | CRODA AC500 TSA 10 | 17.8 | 6.4 | 4.7 |
| 435 | CRODA AC500 TSA 30 | 21.2 | 1.4 | 10.7 |
| 436 | CRODA AC550 TSA 10 | 16.3 | 10.6 | 7.4 |
| 437 | CRODA AC550 TSA 30 | 16.3 | 10.6 | 7.4 |
| 438 | LUMFLON LF200 10 | 18.5 | 5.4 | 6.9 |
| 439 | LUMFLON LF200 30 | 20.1 | 4.4 | 3.2 |
| 440 | LUMFLON LF916 10 | 17.5 | 6.8 | 10.5 |
| 441 | LUMFLON LF916 30 | 18.1 | 3.9 | 8.3 |
| 442 | PLASTOKYD S27 | 20.1 | 5.7 | 5.3 |
| 443 | PLASTOKYD SC140 | 25.2 | 9.2 | 3.7 |
| 444 | PLASTOKYD SC400 | 23.7 | 0.5 | 10.3 |
| 445 | PLASTOKYD AC4X | 23.9 | 7.8 | 8.8 |
| 446 | ALLOPRENE R10 10 | 19.5 | 9.2 | 6.9 |
| 447 | ALLOPRENE R10 30 | 17.9 | 5.6 | 6.7 |
| 448 | ALLOPRENE R10 60 | 19.6 | 6.5 | 5.8 |
| 449 | HYPALON 20 | 20.3 | 3.2 | 0.7 |
| 450 | POLYISOPRENE SW | 17 | 4 | 4 |
| 451 | BROMOBUTYL RUBBER S | 17.6 | 1.7 | 2 |
| 452 | BROMOBUTYL RUBBER L | 17 | 3.4 | 2 |

**Table 5. The calculated values of Δa=|δa,1-δa,2| for polymers (system numbers as listed in Table 1 and Table 4)**

| Hormones→ | 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Polymer ↓ | Δp | Δh | Δp | Δh | Δp | Δh | Δp | Δh | Δp | Δh | Δp | Δh | Δp | Δh |
| 1 | 3.28 | 2.44 | 4.04 | 1.56 | 4.39 | 2.00 | 2.27 | 7.44 | 1.47 | 4.87 | 5.38 | 1.60 | 3.86 | 1.58 |
| 2 | 0.72 | 6.46 | 0.04 | 10.46 | 0.39 | 10.90 | 1.73 | 16.34 | 2.53 | 4.03 | 1.38 | 10.50 | 0.14 | 7.32 |
| 3 | 13.98 | 8.66 | 14.74 | 12.66 | 15.09 | 13.10 | 12.97 | 18.54 | 12.17 | 6.23 | 16.08 | 12.70 | 14.56 | 9.52 |
| 4 | 8.58 | 1.34 | 9.34 | 2.66 | 9.69 | 3.10 | 7.57 | 8.54 | 6.77 | 3.77 | 10.68 | 2.70 | 9.16 | 0.48 |
| 5 | 3.28 | 0.24 | 4.04 | 3.76 | 4.39 | 4.20 | 2.27 | 9.64 | 1.47 | 2.67 | 5.38 | 3.80 | 3.86 | 0.62 |
| 6 | 6.98 | 3.54 | 7.74 | 0.46 | 8.09 | 0.90 | 5.97 | 6.34 | 5.17 | 5.97 | 9.08 | 0.50 | 7.56 | 2.68 |
| 7 | 5.68 | 6.74 | 6.44 | 2.74 | 6.79 | 2.30 | 4.67 | 3.14 | 3.87 | 9.17 | 7.78 | 2.70 | 6.26 | 5.88 |
| 8 | 7.48 | 1.76 | 8.24 | 5.76 | 8.59 | 6.20 | 6.47 | 11.64 | 5.67 | 0.67 | 9.58 | 5.80 | 8.06 | 2.62 |
| 9 | 0.12 | 9.14 | 0.64 | 5.14 | 0.99 | 4.70 | 1.13 | 0.74 | 1.93 | 11.57 | 1.98 | 5.10 | 0.46 | 8.28 |
| 10 | 13.28 | 7.64 | 14.04 | 3.64 | 14.39 | 3.20 | 12.27 | 2.24 | 11.47 | 10.07 | 15.38 | 3.60 | 13.86 | 6.78 |
| 11 | 3.88 | 10.04 | 4.64 | 6.04 | 4.99 | 5.60 | 2.87 | 0.16 | 2.07 | 12.47 | 5.98 | 6.00 | 4.46 | 9.18 |
| 12 | 1.02 | 2.84 | 0.26 | 1.16 | 0.09 | 1.60 | 2.03 | 7.04 | 2.83 | 5.27 | 1.08 | 1.20 | 0.44 | 1.98 |
| 13 | 0.32 | 5.44 | 0.44 | 1.44 | 0.79 | 1.00 | 1.33 | 4.44 | 2.13 | 7.87 | 1.78 | 1.40 | 0.26 | 4.58 |
| 14 | 3.98 | 8.94 | 4.74 | 4.94 | 5.09 | 4.50 | 2.97 | 0.94 | 2.17 | 11.37 | 6.08 | 4.90 | 4.56 | 8.08 |
| 15 | 0.58 | 5.94 | 1.34 | 1.94 | 1.69 | 1.50 | 0.43 | 3.94 | 1.23 | 8.37 | 2.68 | 1.90 | 1.16 | 5.08 |
| 16 | 5.28 | 7.24 | 6.04 | 3.24 | 6.39 | 2.80 | 4.27 | 2.64 | 3.47 | 9.67 | 7.38 | 3.20 | 5.86 | 6.38 |
| 17 | 8.38 | 5.44 | 9.14 | 1.44 | 9.49 | 1.00 | 7.37 | 4.44 | 6.57 | 7.87 | 10.48 | 1.40 | 8.96 | 4.58 |
| 18 | 7.48 | 4.44 | 8.24 | 0.44 | 8.59 | 0.00 | 6.47 | 5.44 | 5.67 | 6.87 | 9.58 | 0.40 | 8.06 | 3.58 |
| 19 | 6.48 | 7.54 | 7.24 | 3.54 | 7.59 | 3.10 | 5.47 | 2.34 | 4.67 | 9.97 | 8.58 | 3.50 | 7.06 | 6.68 |
| 20 | 5.88 | 8.54 | 6.64 | 4.54 | 6.99 | 4.10 | 4.87 | 1.34 | 4.07 | 10.97 | 7.98 | 4.50 | 6.46 | 7.68 |
| 21 | 6.48 | 7.94 | 7.24 | 3.94 | 7.59 | 3.50 | 5.47 | 1.94 | 4.67 | 10.37 | 8.58 | 3.90 | 7.06 | 7.08 |
| 22 | 0.52 | 1.84 | 0.24 | 2.16 | 0.59 | 2.60 | 1.53 | 8.04 | 2.33 | 4.27 | 1.58 | 2.20 | 0.06 | 0.98 |
| 23 | 9.28 | 8.04 | 10.04 | 4.04 | 10.39 | 3.60 | 8.27 | 1.84 | 7.47 | 10.47 | 11.38 | 4.00 | 9.86 | 7.18 |
| 24 | 2.48 | 5.94 | 3.24 | 1.94 | 3.59 | 1.50 | 1.47 | 3.94 | 0.67 | 8.37 | 4.58 | 1.90 | 3.06 | 5.08 |
| 25 | 7.38 | 0.94 | 8.14 | 3.06 | 8.49 | 3.50 | 6.37 | 8.94 | 5.57 | 3.37 | 9.48 | 3.10 | 7.96 | 0.08 |
| 26 | 1.68 | 1.16 | 2.44 | 5.16 | 2.79 | 5.60 | 0.67 | 11.04 | 0.13 | 1.27 | 3.78 | 5.20 | 2.26 | 2.02 |
| 27 | 8.08 | 6.94 | 8.84 | 2.94 | 9.19 | 2.50 | 7.07 | 2.94 | 6.27 | 9.37 | 10.18 | 2.90 | 8.66 | 6.08 |
| 28 | 6.88 | 8.34 | 7.64 | 4.34 | 7.99 | 3.90 | 5.87 | 1.54 | 5.07 | 10.77 | 8.98 | 4.30 | 7.46 | 7.48 |
| 29 | 0.22 | 5.74 | 0.54 | 1.74 | 0.89 | 1.30 | 1.23 | 4.14 | 2.03 | 8.17 | 1.88 | 1.70 | 0.36 | 4.88 |
| 30 | 0.02 | 2.44 | 0.74 | 1.56 | 1.09 | 2.00 | 1.03 | 7.44 | 1.83 | 4.87 | 2.08 | 1.60 | 0.56 | 1.58 |
| 31 | 2.18 | 5.14 | 2.94 | 1.14 | 3.29 | 0.70 | 1.17 | 4.74 | 0.37 | 7.57 | 4.28 | 1.10 | 2.76 | 4.28 |
| 32 | 6.48 | 8.74 | 7.24 | 4.74 | 7.59 | 4.30 | 5.47 | 1.14 | 4.67 | 11.17 | 8.58 | 4.70 | 7.06 | 7.88 |
| 33 | 6.08 | 3.06 | 6.84 | 7.06 | 7.19 | 7.50 | 5.07 | 12.94 | 4.27 | 0.63 | 8.18 | 7.10 | 6.66 | 3.92 |
| 34 | 0.98 | 3.14 | 1.74 | 0.86 | 2.09 | 1.30 | 0.03 | 6.74 | 0.83 | 5.57 | 3.08 | 0.90 | 1.56 | 2.28 |
| 35 | 2.58 | 8.84 | 3.34 | 4.84 | 3.69 | 4.40 | 1.57 | 1.04 | 0.77 | 11.27 | 4.68 | 4.80 | 3.16 | 7.98 |
| 36 | 1.48 | 11.44 | 2.24 | 7.44 | 2.59 | 7.00 | 0.47 | 1.56 | 0.33 | 13.87 | 3.58 | 7.40 | 2.06 | 10.58 |
| 37 | 9.58 | 8.14 | 10.34 | 4.14 | 10.69 | 3.70 | 8.57 | 1.74 | 7.77 | 10.57 | 11.68 | 4.10 | 10.16 | 7.28 |
| 38 | 0.08 | 8.64 | 0.84 | 4.64 | 1.19 | 4.20 | 0.93 | 1.24 | 1.73 | 11.07 | 2.18 | 4.60 | 0.66 | 7.78 |
| 39 | 1.68 | 12.74 | 2.44 | 8.74 | 2.79 | 8.30 | 0.67 | 2.86 | 0.13 | 15.17 | 3.78 | 8.70 | 2.26 | 11.88 |
| 40 | 0.68 | 4.94 | 1.44 | 0.94 | 1.79 | 0.50 | 0.33 | 4.94 | 1.13 | 7.37 | 2.78 | 0.90 | 1.26 | 4.08 |
| 41 | 1.68 | 10.44 | 2.44 | 6.44 | 2.79 | 6.00 | 0.67 | 0.56 | 0.13 | 12.87 | 3.78 | 6.40 | 2.26 | 9.58 |
| 42 | 8.28 | 8.34 | 9.04 | 4.34 | 9.39 | 3.90 | 7.27 | 1.54 | 6.47 | 10.77 | 10.38 | 4.30 | 8.86 | 7.48 |
| 43 | 6.58 | 5.24 | 7.34 | 1.24 | 7.69 | 0.80 | 5.57 | 4.64 | 4.77 | 7.67 | 8.68 | 1.20 | 7.16 | 4.38 |
| 44 | 0.48 | 4.44 | 1.24 | 0.44 | 1.59 | 0.00 | 0.53 | 5.44 | 1.33 | 6.87 | 2.58 | 0.40 | 1.06 | 3.58 |
| 45 | 1.48 | 5.84 | 2.24 | 1.84 | 2.59 | 1.40 | 0.47 | 4.04 | 0.33 | 8.27 | 3.58 | 1.80 | 2.06 | 4.98 |
| 46 | 0.42 | 7.84 | 0.34 | 3.84 | 0.69 | 3.40 | 1.43 | 2.04 | 2.23 | 10.27 | 1.68 | 3.80 | 0.16 | 6.98 |
| 47 | 10.98 | 4.06 | 11.74 | 8.06 | 12.09 | 8.50 | 9.97 | 13.94 | 9.17 | 1.63 | 13.08 | 8.10 | 11.56 | 4.92 |
| 48 | 1.42 | 7.64 | 0.66 | 3.64 | 0.31 | 3.20 | 2.43 | 2.24 | 3.23 | 10.07 | 0.68 | 3.60 | 0.84 | 6.78 |
| 49 | 0.42 | 5.04 | 0.34 | 1.04 | 0.69 | 0.60 | 1.43 | 4.84 | 2.23 | 7.47 | 1.68 | 1.00 | 0.16 | 4.18 |
| 50 | 0.38 | 3.54 | 1.14 | 0.46 | 1.49 | 0.90 | 0.63 | 6.34 | 1.43 | 5.97 | 2.48 | 0.50 | 0.96 | 2.68 |
| 51 | 1.78 | 2.44 | 2.54 | 1.56 | 2.89 | 2.00 | 0.77 | 7.44 | 0.03 | 4.87 | 3.88 | 1.60 | 2.36 | 1.58 |
| 52 | 0.62 | 7.04 | 0.14 | 3.04 | 0.49 | 2.60 | 1.63 | 2.84 | 2.43 | 9.47 | 1.48 | 3.00 | 0.04 | 6.18 |
| 53 | 4.18 | 0.84 | 4.94 | 3.16 | 5.29 | 3.60 | 3.17 | 9.04 | 2.37 | 3.27 | 6.28 | 3.20 | 4.76 | 0.02 |
| 54 | 2.98 | 0.34 | 3.74 | 3.66 | 4.09 | 4.10 | 1.97 | 9.54 | 1.17 | 2.77 | 5.08 | 3.70 | 3.56 | 0.52 |
| 55 | 2.68 | 8.44 | 3.44 | 4.44 | 3.79 | 4.00 | 1.67 | 1.44 | 0.87 | 10.87 | 4.78 | 4.40 | 3.26 | 7.58 |
| 56 | 4.72 | 11.74 | 3.96 | 7.74 | 3.61 | 7.30 | 5.73 | 1.86 | 6.53 | 14.17 | 2.62 | 7.70 | 4.14 | 10.88 |
| 57 | 3.68 | 7.26 | 4.44 | 11.26 | 4.79 | 11.70 | 2.67 | 17.14 | 1.87 | 4.83 | 5.78 | 11.30 | 4.26 | 8.12 |
| 58 | 2.18 | 3.94 | 2.94 | 0.06 | 3.29 | 0.50 | 1.17 | 5.94 | 0.37 | 6.37 | 4.28 | 0.10 | 2.76 | 3.08 |
| 59 | 4.28 | 10.44 | 5.04 | 6.44 | 5.39 | 6.00 | 3.27 | 0.56 | 2.47 | 12.87 | 6.38 | 6.40 | 4.86 | 9.58 |
| 60 | 3.88 | 8.04 | 4.64 | 4.04 | 4.99 | 3.60 | 2.87 | 1.84 | 2.07 | 10.47 | 5.98 | 4.00 | 4.46 | 7.18 |
| 61 | 3.48 | 9.24 | 4.24 | 5.24 | 4.59 | 4.80 | 2.47 | 0.64 | 1.67 | 11.67 | 5.58 | 5.20 | 4.06 | 8.38 |
| 62 | 1.58 | 0.04 | 2.34 | 3.96 | 2.69 | 4.40 | 0.57 | 9.84 | 0.23 | 2.47 | 3.68 | 4.00 | 2.16 | 0.82 |
| 63 | 6.48 | 10.64 | 7.24 | 6.64 | 7.59 | 6.20 | 5.47 | 0.76 | 4.67 | 13.07 | 8.58 | 6.60 | 7.06 | 9.78 |
| 64 | 2.38 | 11.14 | 3.14 | 7.14 | 3.49 | 6.70 | 1.37 | 1.26 | 0.57 | 13.57 | 4.48 | 7.10 | 2.96 | 10.28 |
| 65 | 0.62 | 9.64 | 0.14 | 5.64 | 0.49 | 5.20 | 1.63 | 0.24 | 2.43 | 12.07 | 1.48 | 5.60 | 0.04 | 8.78 |
| 66 | 1.38 | 8.14 | 2.14 | 4.14 | 2.49 | 3.70 | 0.37 | 1.74 | 0.43 | 10.57 | 3.48 | 4.10 | 1.96 | 7.28 |
| 67 | 3.72 | 11.74 | 2.96 | 7.74 | 2.61 | 7.30 | 4.73 | 1.86 | 5.53 | 14.17 | 1.62 | 7.70 | 3.14 | 10.88 |
| 68 | 5.48 | 6.84 | 6.24 | 2.84 | 6.59 | 2.40 | 4.47 | 3.04 | 3.67 | 9.27 | 7.58 | 2.80 | 6.06 | 5.98 |
| 69 | 5.18 | 2.46 | 5.94 | 6.46 | 6.29 | 6.90 | 4.17 | 12.34 | 3.37 | 0.03 | 7.28 | 6.50 | 5.76 | 3.32 |
| 70 | 1.28 | 8.84 | 2.04 | 4.84 | 2.39 | 4.40 | 0.27 | 1.04 | 0.53 | 11.27 | 3.38 | 4.80 | 1.86 | 7.98 |
| 71 | 1.68 | 8.74 | 2.44 | 4.74 | 2.79 | 4.30 | 0.67 | 1.14 | 0.13 | 11.17 | 3.78 | 4.70 | 2.26 | 7.88 |
| 72 | 1.28 | 9.24 | 2.04 | 5.24 | 2.39 | 4.80 | 0.27 | 0.64 | 0.53 | 11.67 | 3.38 | 5.20 | 1.86 | 8.38 |
| 73 | 1.78 | 9.04 | 2.54 | 5.04 | 2.89 | 4.60 | 0.77 | 0.84 | 0.03 | 11.47 | 3.88 | 5.00 | 2.36 | 8.18 |
| 74 | 1.28 | 8.84 | 2.04 | 4.84 | 2.39 | 4.40 | 0.27 | 1.04 | 0.53 | 11.27 | 3.38 | 4.80 | 1.86 | 7.98 |
| 75 | 2.98 | 8.44 | 3.74 | 4.44 | 4.09 | 4.00 | 1.97 | 1.44 | 1.17 | 10.87 | 5.08 | 4.40 | 3.56 | 7.58 |
| 76 | 5.18 | 8.14 | 5.94 | 4.14 | 6.29 | 3.70 | 4.17 | 1.74 | 3.37 | 10.57 | 7.28 | 4.10 | 5.76 | 7.28 |
| 77 | 3.68 | 7.04 | 4.44 | 3.04 | 4.79 | 2.60 | 2.67 | 2.84 | 1.87 | 9.47 | 5.78 | 3.00 | 4.26 | 6.18 |
| 78 | 0.78 | 9.64 | 1.54 | 5.64 | 1.89 | 5.20 | 0.23 | 0.24 | 1.03 | 12.07 | 2.88 | 5.60 | 1.36 | 8.78 |
| 79 | 4.58 | 7.94 | 5.34 | 3.94 | 5.69 | 3.50 | 3.57 | 1.94 | 2.77 | 10.37 | 6.68 | 3.90 | 5.16 | 7.08 |
| 80 | 1.78 | 8.24 | 2.54 | 4.24 | 2.89 | 3.80 | 0.77 | 1.64 | 0.03 | 10.67 | 3.88 | 4.20 | 2.36 | 7.38 |
| 81 | 2.98 | 9.34 | 3.74 | 5.34 | 4.09 | 4.90 | 1.97 | 0.54 | 1.17 | 11.77 | 5.08 | 5.30 | 3.56 | 8.48 |
| 82 | 2.98 | 9.14 | 3.74 | 5.14 | 4.09 | 4.70 | 1.97 | 0.74 | 1.17 | 11.57 | 5.08 | 5.10 | 3.56 | 8.28 |
| 83 | 0.98 | 10.24 | 1.74 | 6.24 | 2.09 | 5.80 | 0.03 | 0.36 | 0.83 | 12.67 | 3.08 | 6.20 | 1.56 | 9.38 |
| 84 | 1.58 | 11.44 | 2.34 | 7.44 | 2.69 | 7.00 | 0.57 | 1.56 | 0.23 | 13.87 | 3.68 | 7.40 | 2.16 | 10.58 |
| 85 | 0.62 | 7.64 | 0.14 | 3.64 | 0.49 | 3.20 | 1.63 | 2.24 | 2.43 | 10.07 | 1.48 | 3.60 | 0.04 | 6.78 |
| 86 | 3.78 | 6.74 | 4.54 | 2.74 | 4.89 | 2.30 | 2.77 | 3.14 | 1.97 | 9.17 | 5.88 | 2.70 | 4.36 | 5.88 |
| 87 | 1.62 | 9.64 | 0.86 | 5.64 | 0.51 | 5.20 | 2.63 | 0.24 | 3.43 | 12.07 | 0.48 | 5.60 | 1.04 | 8.78 |
| 88 | 5.18 | 7.84 | 5.94 | 3.84 | 6.29 | 3.40 | 4.17 | 2.04 | 3.37 | 10.27 | 7.28 | 3.80 | 5.76 | 6.98 |
| 89 | 1.68 | 9.04 | 2.44 | 5.04 | 2.79 | 4.60 | 0.67 | 0.84 | 0.13 | 11.47 | 3.78 | 5.00 | 2.26 | 8.18 |
| 90 | 1.78 | 8.44 | 2.54 | 4.44 | 2.89 | 4.00 | 0.77 | 1.44 | 0.03 | 10.87 | 3.88 | 4.40 | 2.36 | 7.58 |
| 91 | 0.48 | 8.44 | 1.24 | 4.44 | 1.59 | 4.00 | 0.53 | 1.44 | 1.33 | 10.87 | 2.58 | 4.40 | 1.06 | 7.58 |
| 92 | 0.48 | 9.14 | 1.24 | 5.14 | 1.59 | 4.70 | 0.53 | 0.74 | 1.33 | 11.57 | 2.58 | 5.10 | 1.06 | 8.28 |
| 93 | 0.28 | 9.54 | 1.04 | 5.54 | 1.39 | 5.10 | 0.73 | 0.34 | 1.53 | 11.97 | 2.38 | 5.50 | 0.86 | 8.68 |
| 94 | 2.08 | 9.64 | 2.84 | 5.64 | 3.19 | 5.20 | 1.07 | 0.24 | 0.27 | 12.07 | 4.18 | 5.60 | 2.66 | 8.78 |
| 95 | 3.92 | 13.74 | 3.16 | 9.74 | 2.81 | 9.30 | 4.93 | 3.86 | 5.73 | 16.17 | 1.82 | 9.70 | 3.34 | 12.88 |
| 96 | 3.38 | 7.74 | 4.14 | 3.74 | 4.49 | 3.30 | 2.37 | 2.14 | 1.57 | 10.17 | 5.48 | 3.70 | 3.96 | 6.88 |
| 97 | 3.38 | 13.74 | 4.14 | 9.74 | 4.49 | 9.30 | 2.37 | 3.86 | 1.57 | 16.17 | 5.48 | 9.70 | 3.96 | 12.88 |
| 98 | 2.32 | 13.74 | 1.56 | 9.74 | 1.21 | 9.30 | 3.33 | 3.86 | 4.13 | 16.17 | 0.22 | 9.70 | 1.74 | 12.88 |
| 99 | 3.02 | 7.54 | 2.26 | 3.54 | 1.91 | 3.10 | 4.03 | 2.34 | 4.83 | 9.97 | 0.92 | 3.50 | 2.44 | 6.68 |
| 100 | 1.92 | 8.14 | 1.16 | 4.14 | 0.81 | 3.70 | 2.93 | 1.74 | 3.73 | 10.57 | 0.18 | 4.10 | 1.34 | 7.28 |
| 101 | 3.78 | 11.74 | 4.54 | 7.74 | 4.89 | 7.30 | 2.77 | 1.86 | 1.97 | 14.17 | 5.88 | 7.70 | 4.36 | 10.88 |
| 102 | 1.88 | 3.06 | 2.64 | 7.06 | 2.99 | 7.50 | 0.87 | 12.94 | 0.07 | 0.63 | 3.98 | 7.10 | 2.46 | 3.92 |
| 103 | 5.98 | 10.94 | 6.74 | 6.94 | 7.09 | 6.50 | 4.97 | 1.06 | 4.17 | 13.37 | 8.08 | 6.90 | 6.56 | 10.08 |
| 104 | 6.98 | 8.54 | 7.74 | 4.54 | 8.09 | 4.10 | 5.97 | 1.34 | 5.17 | 10.97 | 9.08 | 4.50 | 7.56 | 7.68 |
| 105 | 9.68 | 7.54 | 10.44 | 3.54 | 10.79 | 3.10 | 8.67 | 2.34 | 7.87 | 9.97 | 11.78 | 3.50 | 10.26 | 6.68 |
| 106 | 0.38 | 6.94 | 1.14 | 2.94 | 1.49 | 2.50 | 0.63 | 2.94 | 1.43 | 9.37 | 2.48 | 2.90 | 0.96 | 6.08 |
| 107 | 4.38 | 9.54 | 5.14 | 5.54 | 5.49 | 5.10 | 3.37 | 0.34 | 2.57 | 11.97 | 6.48 | 5.50 | 4.96 | 8.68 |
| 108 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 109 | 5.28 | 7.76 | 6.04 | 11.76 | 6.39 | 12.20 | 4.27 | 17.64 | 3.47 | 5.33 | 7.38 | 11.80 | 5.86 | 8.62 |
| 110 | 10.58 | 7.96 | 11.34 | 11.96 | 11.69 | 12.40 | 9.57 | 17.84 | 8.77 | 5.53 | 12.68 | 12.00 | 11.16 | 8.82 |
| 111 | 0.58 | 9.24 | 1.34 | 5.24 | 1.69 | 4.80 | 0.43 | 0.64 | 1.23 | 11.67 | 2.68 | 5.20 | 1.16 | 8.38 |
| 112 | 0.98 | 2.06 | 1.74 | 6.06 | 2.09 | 6.50 | 0.03 | 11.94 | 0.83 | 0.37 | 3.08 | 6.10 | 1.56 | 2.92 |
| 113 | 0.98 | 0.76 | 1.74 | 4.76 | 2.09 | 5.20 | 0.03 | 10.64 | 0.83 | 1.67 | 3.08 | 4.80 | 1.56 | 1.62 |
| 114 | 3.42 | 9.84 | 2.66 | 5.84 | 2.31 | 5.40 | 4.43 | 0.04 | 5.23 | 12.27 | 1.32 | 5.80 | 2.84 | 8.98 |
| 115 | 3.42 | 9.64 | 2.66 | 5.64 | 2.31 | 5.20 | 4.43 | 0.24 | 5.23 | 12.07 | 1.32 | 5.60 | 2.84 | 8.78 |
| 116 | 4.72 | 10.84 | 3.96 | 6.84 | 3.61 | 6.40 | 5.73 | 0.96 | 6.53 | 13.27 | 2.62 | 6.80 | 4.14 | 9.98 |
| 117 | 9.58 | 8.14 | 10.34 | 4.14 | 10.69 | 3.70 | 8.57 | 1.74 | 7.77 | 10.57 | 11.68 | 4.10 | 10.16 | 7.28 |
| 118 | 0.58 | 8.54 | 1.34 | 4.54 | 1.69 | 4.10 | 0.43 | 1.34 | 1.23 | 10.97 | 2.68 | 4.50 | 1.16 | 7.68 |
| 119 | 1.32 | 8.74 | 0.56 | 4.74 | 0.21 | 4.30 | 2.33 | 1.14 | 3.13 | 11.17 | 0.78 | 4.70 | 0.74 | 7.88 |
| 120 | 0.32 | 9.44 | 0.44 | 5.44 | 0.79 | 5.00 | 1.33 | 0.44 | 2.13 | 11.87 | 1.78 | 5.40 | 0.26 | 8.58 |
| 121 | 1.78 | 3.54 | 2.54 | 0.46 | 2.89 | 0.90 | 0.77 | 6.34 | 0.03 | 5.97 | 3.88 | 0.50 | 2.36 | 2.68 |
| 122 | 0.78 | 3.14 | 1.54 | 0.86 | 1.89 | 1.30 | 0.23 | 6.74 | 1.03 | 5.57 | 2.88 | 0.90 | 1.36 | 2.28 |
| 123 | 1.02 | 7.44 | 0.26 | 3.44 | 0.09 | 3.00 | 2.03 | 2.44 | 2.83 | 9.87 | 1.08 | 3.40 | 0.44 | 6.58 |
| 124 | 1.02 | 6.14 | 0.26 | 2.14 | 0.09 | 1.70 | 2.03 | 3.74 | 2.83 | 8.57 | 1.08 | 2.10 | 0.44 | 5.28 |
| 125 | 1.08 | 6.44 | 1.84 | 2.44 | 2.19 | 2.00 | 0.07 | 3.44 | 0.73 | 8.87 | 3.18 | 2.40 | 1.66 | 5.58 |
| 126 | 1.48 | 8.84 | 2.24 | 4.84 | 2.59 | 4.40 | 0.47 | 1.04 | 0.33 | 11.27 | 3.58 | 4.80 | 2.06 | 7.98 |
| 127 | 0.38 | 0.96 | 1.14 | 4.96 | 1.49 | 5.40 | 0.63 | 10.84 | 1.43 | 1.47 | 2.48 | 5.00 | 0.96 | 1.82 |
| 128 | 0.22 | 5.74 | 0.54 | 1.74 | 0.89 | 1.30 | 1.23 | 4.14 | 2.03 | 8.17 | 1.88 | 1.70 | 0.36 | 4.88 |
| 129 | 1.82 | 8.24 | 1.06 | 4.24 | 0.71 | 3.80 | 2.83 | 1.64 | 3.63 | 10.67 | 0.28 | 4.20 | 1.24 | 7.38 |
| 130 | 1.82 | 8.14 | 1.06 | 4.14 | 0.71 | 3.70 | 2.83 | 1.74 | 3.63 | 10.57 | 0.28 | 4.10 | 1.24 | 7.28 |
| 131 | 4.72 | 13.14 | 3.96 | 9.14 | 3.61 | 8.70 | 5.73 | 3.26 | 6.53 | 15.57 | 2.62 | 9.10 | 4.14 | 12.28 |
| 132 | 4.72 | 12.74 | 3.96 | 8.74 | 3.61 | 8.30 | 5.73 | 2.86 | 6.53 | 15.17 | 2.62 | 8.70 | 4.14 | 11.88 |
| 133 | 0.58 | 8.74 | 1.34 | 4.74 | 1.69 | 4.30 | 0.43 | 1.14 | 1.23 | 11.17 | 2.68 | 4.70 | 1.16 | 7.88 |
| 134 | 1.78 | 3.54 | 2.54 | 0.46 | 2.89 | 0.90 | 0.77 | 6.34 | 0.03 | 5.97 | 3.88 | 0.50 | 2.36 | 2.68 |
| 135 | 1.68 | 7.14 | 2.44 | 3.14 | 2.79 | 2.70 | 0.67 | 2.74 | 0.13 | 9.57 | 3.78 | 3.10 | 2.26 | 6.28 |
| 136 | 1.12 | 4.44 | 0.36 | 0.44 | 0.01 | 0.00 | 2.13 | 5.44 | 2.93 | 6.87 | 0.98 | 0.40 | 0.54 | 3.58 |
| 137 | 5.18 | 7.94 | 5.94 | 3.94 | 6.29 | 3.50 | 4.17 | 1.94 | 3.37 | 10.37 | 7.28 | 3.90 | 5.76 | 7.08 |
| 138 | 0.08 | 2.04 | 0.84 | 1.96 | 1.19 | 2.40 | 0.93 | 7.84 | 1.73 | 4.47 | 2.18 | 2.00 | 0.66 | 1.18 |
| 139 | 4.62 | 12.74 | 3.86 | 8.74 | 3.51 | 8.30 | 5.63 | 2.86 | 6.43 | 15.17 | 2.52 | 8.70 | 4.04 | 11.88 |
| 140 | 2.22 | 8.04 | 1.46 | 4.04 | 1.11 | 3.60 | 3.23 | 1.84 | 4.03 | 10.47 | 0.12 | 4.00 | 1.64 | 7.18 |
| 141 | 4.62 | 12.64 | 3.86 | 8.64 | 3.51 | 8.20 | 5.63 | 2.76 | 6.43 | 15.07 | 2.52 | 8.60 | 4.04 | 11.78 |
| 142 | 12.08 | 10.64 | 12.84 | 6.64 | 13.19 | 6.20 | 11.07 | 0.76 | 10.27 | 13.07 | 14.18 | 6.60 | 12.66 | 9.78 |
| 143 | 1.48 | 7.84 | 2.24 | 3.84 | 2.59 | 3.40 | 0.47 | 2.04 | 0.33 | 10.27 | 3.58 | 3.80 | 2.06 | 6.98 |
| 144 | 4.62 | 12.74 | 3.86 | 8.74 | 3.51 | 8.30 | 5.63 | 2.86 | 6.43 | 15.17 | 2.52 | 8.70 | 4.04 | 11.88 |
| 145 | 4.62 | 12.74 | 3.86 | 8.74 | 3.51 | 8.30 | 5.63 | 2.86 | 6.43 | 15.17 | 2.52 | 8.70 | 4.04 | 11.88 |
| 146 | 11.48 | 5.74 | 12.24 | 1.74 | 12.59 | 1.30 | 10.47 | 4.14 | 9.67 | 8.17 | 13.58 | 1.70 | 12.06 | 4.88 |
| 147 | 0.58 | 6.74 | 1.34 | 2.74 | 1.69 | 2.30 | 0.43 | 3.14 | 1.23 | 9.17 | 2.68 | 2.70 | 1.16 | 5.88 |
| 148 | 0.62 | 3.14 | 0.14 | 0.86 | 0.49 | 1.30 | 1.63 | 6.74 | 2.43 | 5.57 | 1.48 | 0.90 | 0.04 | 2.28 |
| 149 | 1.58 | 6.04 | 2.34 | 2.04 | 2.69 | 1.60 | 0.57 | 3.84 | 0.23 | 8.47 | 3.68 | 2.00 | 2.16 | 5.18 |
| 150 | 11.88 | 6.34 | 12.64 | 2.34 | 12.99 | 1.90 | 10.87 | 3.54 | 10.07 | 8.77 | 13.98 | 2.30 | 12.46 | 5.48 |
| 151 | 7.68 | 8.64 | 8.44 | 4.64 | 8.79 | 4.20 | 6.67 | 1.24 | 5.87 | 11.07 | 9.78 | 4.60 | 8.26 | 7.78 |
| 152 | 4.68 | 8.94 | 5.44 | 4.94 | 5.79 | 4.50 | 3.67 | 0.94 | 2.87 | 11.37 | 6.78 | 4.90 | 5.26 | 8.08 |
| 153 | 10.28 | 6.34 | 11.04 | 2.34 | 11.39 | 1.90 | 9.27 | 3.54 | 8.47 | 8.77 | 12.38 | 2.30 | 10.86 | 5.48 |
| 154 | 2.18 | 9.64 | 2.94 | 5.64 | 3.29 | 5.20 | 1.17 | 0.24 | 0.37 | 12.07 | 4.28 | 5.60 | 2.76 | 8.78 |
| 155 | 4.72 | 13.14 | 3.96 | 9.14 | 3.61 | 8.70 | 5.73 | 3.26 | 6.53 | 15.57 | 2.62 | 9.10 | 4.14 | 12.28 |
| 156 | 1.08 | 13.14 | 1.84 | 9.14 | 2.19 | 8.70 | 0.07 | 3.26 | 0.73 | 15.57 | 3.18 | 9.10 | 1.66 | 12.28 |
| 157 | 4.72 | 13.14 | 3.96 | 9.14 | 3.61 | 8.70 | 5.73 | 3.26 | 6.53 | 15.57 | 2.62 | 9.10 | 4.14 | 12.28 |
| 158 | 1.02 | 13.74 | 0.26 | 9.74 | 0.09 | 9.30 | 2.03 | 3.86 | 2.83 | 16.17 | 1.08 | 9.70 | 0.44 | 12.88 |
| 159 | 1.58 | 5.74 | 2.34 | 1.74 | 2.69 | 1.30 | 0.57 | 4.14 | 0.23 | 8.17 | 3.68 | 1.70 | 2.16 | 4.88 |
| 160 | 2.68 | 6.14 | 3.44 | 2.14 | 3.79 | 1.70 | 1.67 | 3.74 | 0.87 | 8.57 | 4.78 | 2.10 | 3.26 | 5.28 |
| 161 | 5.28 | 13.74 | 6.04 | 9.74 | 6.39 | 9.30 | 4.27 | 3.86 | 3.47 | 16.17 | 7.38 | 9.70 | 5.86 | 12.88 |
| 162 | 2.18 | 9.74 | 2.94 | 5.74 | 3.29 | 5.30 | 1.17 | 0.14 | 0.37 | 12.17 | 4.28 | 5.70 | 2.76 | 8.88 |
| 163 | 11.38 | 4.74 | 12.14 | 0.74 | 12.49 | 0.30 | 10.37 | 5.14 | 9.57 | 7.17 | 13.48 | 0.70 | 11.96 | 3.88 |
| 164 | 5.68 | 1.44 | 6.44 | 2.56 | 6.79 | 3.00 | 4.67 | 8.44 | 3.87 | 3.87 | 7.78 | 2.60 | 6.26 | 0.58 |
| 165 | 2.88 | 9.74 | 3.64 | 5.74 | 3.99 | 5.30 | 1.87 | 0.14 | 1.07 | 12.17 | 4.98 | 5.70 | 3.46 | 8.88 |
| 166 | 5.58 | 2.76 | 6.34 | 6.76 | 6.69 | 7.20 | 4.57 | 12.64 | 3.77 | 0.33 | 7.68 | 6.80 | 6.16 | 3.62 |
| 167 | 5.48 | 2.66 | 6.24 | 6.66 | 6.59 | 7.10 | 4.47 | 12.54 | 3.67 | 0.23 | 7.58 | 6.70 | 6.06 | 3.52 |
| 168 | 2.58 | 5.24 | 3.34 | 1.24 | 3.69 | 0.80 | 1.57 | 4.64 | 0.77 | 7.67 | 4.68 | 1.20 | 3.16 | 4.38 |
| 169 | 1.98 | 11.54 | 2.74 | 7.54 | 3.09 | 7.10 | 0.97 | 1.66 | 0.17 | 13.97 | 4.08 | 7.50 | 2.56 | 10.68 |
| 170 | 1.78 | 8.04 | 2.54 | 4.04 | 2.89 | 3.60 | 0.77 | 1.84 | 0.03 | 10.47 | 3.88 | 4.00 | 2.36 | 7.18 |
| 171 | 8.78 | 9.04 | 9.54 | 5.04 | 9.89 | 4.60 | 7.77 | 0.84 | 6.97 | 11.47 | 10.88 | 5.00 | 9.36 | 8.18 |
| 172 | 0.98 | 0.96 | 1.74 | 4.96 | 2.09 | 5.40 | 0.03 | 10.84 | 0.83 | 1.47 | 3.08 | 5.00 | 1.56 | 1.82 |
| 173 | 3.28 | 7.04 | 4.04 | 3.04 | 4.39 | 2.60 | 2.27 | 2.84 | 1.47 | 9.47 | 5.38 | 3.00 | 3.86 | 6.18 |
| 174 | 2.98 | 11.74 | 3.74 | 7.74 | 4.09 | 7.30 | 1.97 | 1.86 | 1.17 | 14.17 | 5.08 | 7.70 | 3.56 | 10.88 |
| 175 | 3.38 | 9.34 | 4.14 | 5.34 | 4.49 | 4.90 | 2.37 | 0.54 | 1.57 | 11.77 | 5.48 | 5.30 | 3.96 | 8.48 |
| 176 | 0.88 | 11.74 | 1.64 | 7.74 | 1.99 | 7.30 | 0.13 | 1.86 | 0.93 | 14.17 | 2.98 | 7.70 | 1.46 | 10.88 |
| 177 | 2.38 | 9.54 | 3.14 | 5.54 | 3.49 | 5.10 | 1.37 | 0.34 | 0.57 | 11.97 | 4.48 | 5.50 | 2.96 | 8.68 |
| 178 | 4.88 | 9.94 | 5.64 | 5.94 | 5.99 | 5.50 | 3.87 | 0.06 | 3.07 | 12.37 | 6.98 | 5.90 | 5.46 | 9.08 |
| 179 | 7.08 | 9.94 | 7.84 | 5.94 | 8.19 | 5.50 | 6.07 | 0.06 | 5.27 | 12.37 | 9.18 | 5.90 | 7.66 | 9.08 |
| 180 | 1.58 | 9.34 | 2.34 | 5.34 | 2.69 | 4.90 | 0.57 | 0.54 | 0.23 | 11.77 | 3.68 | 5.30 | 2.16 | 8.48 |
| 181 | 4.88 | 8.24 | 5.64 | 4.24 | 5.99 | 3.80 | 3.87 | 1.64 | 3.07 | 10.67 | 6.98 | 4.20 | 5.46 | 7.38 |
| 182 | 8.88 | 11.74 | 9.64 | 7.74 | 9.99 | 7.30 | 7.87 | 1.86 | 7.07 | 14.17 | 10.98 | 7.70 | 9.46 | 10.88 |
| 183 | 4.48 | 8.24 | 5.24 | 4.24 | 5.59 | 3.80 | 3.47 | 1.64 | 2.67 | 10.67 | 6.58 | 4.20 | 5.06 | 7.38 |
| 184 | 2.62 | 11.24 | 1.86 | 7.24 | 1.51 | 6.80 | 3.63 | 1.36 | 4.43 | 13.67 | 0.52 | 7.20 | 2.04 | 10.38 |
| 185 | 2.58 | 4.94 | 3.34 | 0.94 | 3.69 | 0.50 | 1.57 | 4.94 | 0.77 | 7.37 | 4.68 | 0.90 | 3.16 | 4.08 |
| 186 | 3.08 | 7.04 | 3.84 | 3.04 | 4.19 | 2.60 | 2.07 | 2.84 | 1.27 | 9.47 | 5.18 | 3.00 | 3.66 | 6.18 |
| 187 | 2.48 | 8.14 | 3.24 | 4.14 | 3.59 | 3.70 | 1.47 | 1.74 | 0.67 | 10.57 | 4.58 | 4.10 | 3.06 | 7.28 |
| 188 | 0.42 | 11.74 | 0.34 | 7.74 | 0.69 | 7.30 | 1.43 | 1.86 | 2.23 | 14.17 | 1.68 | 7.70 | 0.16 | 10.88 |
| 189 | 3.28 | 9.64 | 4.04 | 5.64 | 4.39 | 5.20 | 2.27 | 0.24 | 1.47 | 12.07 | 5.38 | 5.60 | 3.86 | 8.78 |
| 190 | 0.78 | 10.24 | 1.54 | 6.24 | 1.89 | 5.80 | 0.23 | 0.36 | 1.03 | 12.67 | 2.88 | 6.20 | 1.36 | 9.38 |
| 191 | 1.98 | 8.64 | 2.74 | 4.64 | 3.09 | 4.20 | 0.97 | 1.24 | 0.17 | 11.07 | 4.08 | 4.60 | 2.56 | 7.78 |
| 192 | 2.78 | 0.74 | 3.54 | 3.26 | 3.89 | 3.70 | 1.77 | 9.14 | 0.97 | 3.17 | 4.88 | 3.30 | 3.36 | 0.12 |
| 193 | 4.58 | 11.14 | 5.34 | 7.14 | 5.69 | 6.70 | 3.57 | 1.26 | 2.77 | 13.57 | 6.68 | 7.10 | 5.16 | 10.28 |
| 194 | 1.88 | 11.44 | 2.64 | 7.44 | 2.99 | 7.00 | 0.87 | 1.56 | 0.07 | 13.87 | 3.98 | 7.40 | 2.46 | 10.58 |
| 195 | 0.78 | 11.74 | 1.54 | 7.74 | 1.89 | 7.30 | 0.23 | 1.86 | 1.03 | 14.17 | 2.88 | 7.70 | 1.36 | 10.88 |
| 196 | 2.88 | 11.74 | 3.64 | 7.74 | 3.99 | 7.30 | 1.87 | 1.86 | 1.07 | 14.17 | 4.98 | 7.70 | 3.46 | 10.88 |
| 197 | 8.28 | 8.64 | 9.04 | 4.64 | 9.39 | 4.20 | 7.27 | 1.24 | 6.47 | 11.07 | 10.38 | 4.60 | 8.86 | 7.78 |
| 198 | 2.48 | 11.54 | 3.24 | 7.54 | 3.59 | 7.10 | 1.47 | 1.66 | 0.67 | 13.97 | 4.58 | 7.50 | 3.06 | 10.68 |
| 199 | 1.58 | 8.04 | 2.34 | 4.04 | 2.69 | 3.60 | 0.57 | 1.84 | 0.23 | 10.47 | 3.68 | 4.00 | 2.16 | 7.18 |
| 200 | 3.08 | 5.84 | 3.84 | 1.84 | 4.19 | 1.40 | 2.07 | 4.04 | 1.27 | 8.27 | 5.18 | 1.80 | 3.66 | 4.98 |
| 201 | 4.88 | 4.94 | 5.64 | 0.94 | 5.99 | 0.50 | 3.87 | 4.94 | 3.07 | 7.37 | 6.98 | 0.90 | 5.46 | 4.08 |
| 202 | 3.18 | 9.14 | 3.94 | 5.14 | 4.29 | 4.70 | 2.17 | 0.74 | 1.37 | 11.57 | 5.28 | 5.10 | 3.76 | 8.28 |
| 203 | 0.28 | 7.64 | 1.04 | 3.64 | 1.39 | 3.20 | 0.73 | 2.24 | 1.53 | 10.07 | 2.38 | 3.60 | 0.86 | 6.78 |
| 204 | 3.98 | 11.74 | 4.74 | 7.74 | 5.09 | 7.30 | 2.97 | 1.86 | 2.17 | 14.17 | 6.08 | 7.70 | 4.56 | 10.88 |
| 205 | 1.62 | 8.04 | 0.86 | 4.04 | 0.51 | 3.60 | 2.63 | 1.84 | 3.43 | 10.47 | 0.48 | 4.00 | 1.04 | 7.18 |
| 206 | 0.18 | 7.14 | 0.94 | 3.14 | 1.29 | 2.70 | 0.83 | 2.74 | 1.63 | 9.57 | 2.28 | 3.10 | 0.76 | 6.28 |
| 207 | 1.68 | 11.74 | 2.44 | 7.74 | 2.79 | 7.30 | 0.67 | 1.86 | 0.13 | 14.17 | 3.78 | 7.70 | 2.26 | 10.88 |
| 208 | 4.88 | 9.54 | 5.64 | 5.54 | 5.99 | 5.10 | 3.87 | 0.34 | 3.07 | 11.97 | 6.98 | 5.50 | 5.46 | 8.68 |
| 209 | 8.78 | 8.24 | 9.54 | 4.24 | 9.89 | 3.80 | 7.77 | 1.64 | 6.97 | 10.67 | 10.88 | 4.20 | 9.36 | 7.38 |
| 210 | 0.78 | 0.16 | 1.54 | 4.16 | 1.89 | 4.60 | 0.23 | 10.04 | 1.03 | 2.27 | 2.88 | 4.20 | 1.36 | 1.02 |
| 211 | 0.68 | 11.64 | 1.44 | 7.64 | 1.79 | 7.20 | 0.33 | 1.76 | 1.13 | 14.07 | 2.78 | 7.60 | 1.26 | 10.78 |
| 212 | 8.18 | 5.64 | 8.94 | 1.64 | 9.29 | 1.20 | 7.17 | 4.24 | 6.37 | 8.07 | 10.28 | 1.60 | 8.76 | 4.78 |
| 213 | 2.18 | 11.54 | 2.94 | 7.54 | 3.29 | 7.10 | 1.17 | 1.66 | 0.37 | 13.97 | 4.28 | 7.50 | 2.76 | 10.68 |
| 214 | 4.68 | 1.34 | 5.44 | 2.66 | 5.79 | 3.10 | 3.67 | 8.54 | 2.87 | 3.77 | 6.78 | 2.70 | 5.26 | 0.48 |
| 215 | 8.58 | 5.54 | 9.34 | 1.54 | 9.69 | 1.10 | 7.57 | 4.34 | 6.77 | 7.97 | 10.68 | 1.50 | 9.16 | 4.68 |
| 216 | 11.18 | 7.64 | 11.94 | 3.64 | 12.29 | 3.20 | 10.17 | 2.24 | 9.37 | 10.07 | 13.28 | 3.60 | 11.76 | 6.78 |
| 217 | 2.68 | 11.44 | 3.44 | 7.44 | 3.79 | 7.00 | 1.67 | 1.56 | 0.87 | 13.87 | 4.78 | 7.40 | 3.26 | 10.58 |
| 218 | 0.42 | 9.84 | 0.34 | 5.84 | 0.69 | 5.40 | 1.43 | 0.04 | 2.23 | 12.27 | 1.68 | 5.80 | 0.16 | 8.98 |
| 219 | 0.02 | 9.84 | 0.74 | 5.84 | 1.09 | 5.40 | 1.03 | 0.04 | 1.83 | 12.27 | 2.08 | 5.80 | 0.56 | 8.98 |
| 220 | 3.88 | 3.14 | 4.64 | 0.86 | 4.99 | 1.30 | 2.87 | 6.74 | 2.07 | 5.57 | 5.98 | 0.90 | 4.46 | 2.28 |
| 221 | 2.28 | 3.74 | 3.04 | 0.26 | 3.39 | 0.70 | 1.27 | 6.14 | 0.47 | 6.17 | 4.38 | 0.30 | 2.86 | 2.88 |
| 222 | 1.48 | 11.14 | 2.24 | 7.14 | 2.59 | 6.70 | 0.47 | 1.26 | 0.33 | 13.57 | 3.58 | 7.10 | 2.06 | 10.28 |
| 223 | 1.58 | 13.74 | 2.34 | 9.74 | 2.69 | 9.30 | 0.57 | 3.86 | 0.23 | 16.17 | 3.68 | 9.70 | 2.16 | 12.88 |
| 224 | 0.38 | 0.84 | 1.14 | 3.16 | 1.49 | 3.60 | 0.63 | 9.04 | 1.43 | 3.27 | 2.48 | 3.20 | 0.96 | 0.02 |
| 225 | 10.18 | 6.34 | 10.94 | 2.34 | 11.29 | 1.90 | 9.17 | 3.54 | 8.37 | 8.77 | 12.28 | 2.30 | 10.76 | 5.48 |
| 226 | 3.98 | 1.74 | 4.74 | 2.26 | 5.09 | 2.70 | 2.97 | 8.14 | 2.17 | 4.17 | 6.08 | 2.30 | 4.56 | 0.88 |
| 227 | 15.08 | 4.14 | 15.84 | 0.14 | 16.19 | 0.30 | 14.07 | 5.74 | 13.27 | 6.57 | 17.18 | 0.10 | 15.66 | 3.28 |
| 228 | 14.08 | 8.24 | 14.84 | 4.24 | 15.19 | 3.80 | 13.07 | 1.64 | 12.27 | 10.67 | 16.18 | 4.20 | 14.66 | 7.38 |
| 229 | 12.88 | 3.06 | 13.64 | 7.06 | 13.99 | 7.50 | 11.87 | 12.94 | 11.07 | 0.63 | 14.98 | 7.10 | 13.46 | 3.92 |
| 230 | 7.08 | 13.74 | 7.84 | 9.74 | 8.19 | 9.30 | 6.07 | 3.86 | 5.27 | 16.17 | 9.18 | 9.70 | 7.66 | 12.88 |
| 231 | 10.48 | 13.74 | 11.24 | 9.74 | 11.59 | 9.30 | 9.47 | 3.86 | 8.67 | 16.17 | 12.58 | 9.70 | 11.06 | 12.88 |
| 232 | 9.78 | 13.74 | 10.54 | 9.74 | 10.89 | 9.30 | 8.77 | 3.86 | 7.97 | 16.17 | 11.88 | 9.70 | 10.36 | 12.88 |
| 233 | 6.68 | 8.54 | 7.44 | 4.54 | 7.79 | 4.10 | 5.67 | 1.34 | 4.87 | 10.97 | 8.78 | 4.50 | 7.26 | 7.68 |
| 234 | 3.28 | 9.64 | 4.04 | 5.64 | 4.39 | 5.20 | 2.27 | 0.24 | 1.47 | 12.07 | 5.38 | 5.60 | 3.86 | 8.78 |
| 235 | 5.88 | 8.94 | 6.64 | 4.94 | 6.99 | 4.50 | 4.87 | 0.94 | 4.07 | 11.37 | 7.98 | 4.90 | 6.46 | 8.08 |
| 236 | 4.72 | 13.54 | 3.96 | 9.54 | 3.61 | 9.10 | 5.73 | 3.66 | 6.53 | 15.97 | 2.62 | 9.50 | 4.14 | 12.68 |
| 237 | 0.62 | 0.24 | 0.14 | 3.76 | 0.49 | 4.20 | 1.63 | 9.64 | 2.43 | 2.67 | 1.48 | 3.80 | 0.04 | 0.62 |
| 238 | 1.58 | 8.64 | 2.34 | 4.64 | 2.69 | 4.20 | 0.57 | 1.24 | 0.23 | 11.07 | 3.68 | 4.60 | 2.16 | 7.78 |
| 239 | 1.62 | 7.24 | 0.86 | 3.24 | 0.51 | 2.80 | 2.63 | 2.64 | 3.43 | 9.67 | 0.48 | 3.20 | 1.04 | 6.38 |
| 240 | 0.78 | 11.74 | 1.54 | 7.74 | 1.89 | 7.30 | 0.23 | 1.86 | 1.03 | 14.17 | 2.88 | 7.70 | 1.36 | 10.88 |
| 241 | 4.88 | 9.24 | 5.64 | 5.24 | 5.99 | 4.80 | 3.87 | 0.64 | 3.07 | 11.67 | 6.98 | 5.20 | 5.46 | 8.38 |
| 242 | 4.72 | 11.94 | 3.96 | 7.94 | 3.61 | 7.50 | 5.73 | 2.06 | 6.53 | 14.37 | 2.62 | 7.90 | 4.14 | 11.08 |
| 243 | 7.18 | 8.54 | 7.94 | 4.54 | 8.29 | 4.10 | 6.17 | 1.34 | 5.37 | 10.97 | 9.28 | 4.50 | 7.76 | 7.68 |
| 244 | 0.92 | 12.04 | 0.16 | 8.04 | 0.19 | 7.60 | 1.93 | 2.16 | 2.73 | 14.47 | 1.18 | 8.00 | 0.34 | 11.18 |
| 245 | 2.88 | 1.86 | 3.64 | 5.86 | 3.99 | 6.30 | 1.87 | 11.74 | 1.07 | 0.57 | 4.98 | 5.90 | 3.46 | 2.72 |
| 246 | 2.32 | 11.74 | 1.56 | 7.74 | 1.21 | 7.30 | 3.33 | 1.86 | 4.13 | 14.17 | 0.22 | 7.70 | 1.74 | 10.88 |
| 247 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 248 | 6.38 | 9.14 | 7.14 | 5.14 | 7.49 | 4.70 | 5.37 | 0.74 | 4.57 | 11.57 | 8.48 | 5.10 | 6.96 | 8.28 |
| 249 | 11.48 | 8.04 | 12.24 | 4.04 | 12.59 | 3.60 | 10.47 | 1.84 | 9.67 | 10.47 | 13.58 | 4.00 | 12.06 | 7.18 |
| 250 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 251 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 252 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 253 | 2.12 | 3.74 | 1.36 | 0.26 | 1.01 | 0.70 | 3.13 | 6.14 | 3.93 | 6.17 | 0.02 | 0.30 | 1.54 | 2.88 |
| 254 | 0.82 | 3.74 | 0.06 | 0.26 | 0.29 | 0.70 | 1.83 | 6.14 | 2.63 | 6.17 | 1.28 | 0.30 | 0.24 | 2.88 |
| 255 | 3.72 | 11.54 | 2.96 | 7.54 | 2.61 | 7.10 | 4.73 | 1.66 | 5.53 | 13.97 | 1.62 | 7.50 | 3.14 | 10.68 |
| 256 | 5.48 | 6.64 | 6.24 | 2.64 | 6.59 | 2.20 | 4.47 | 3.24 | 3.67 | 9.07 | 7.58 | 2.60 | 6.06 | 5.78 |
| 257 | 1.32 | 10.44 | 0.56 | 6.44 | 0.21 | 6.00 | 2.33 | 0.56 | 3.13 | 12.87 | 0.78 | 6.40 | 0.74 | 9.58 |
| 258 | 1.72 | 7.04 | 0.96 | 3.04 | 0.61 | 2.60 | 2.73 | 2.84 | 3.53 | 9.47 | 0.38 | 3.00 | 1.14 | 6.18 |
| 259 | 5.78 | 7.64 | 6.54 | 3.64 | 6.89 | 3.20 | 4.77 | 2.24 | 3.97 | 10.07 | 7.88 | 3.60 | 6.36 | 6.78 |
| 260 | 6.78 | 6.34 | 7.54 | 2.34 | 7.89 | 1.90 | 5.77 | 3.54 | 4.97 | 8.77 | 8.88 | 2.30 | 7.36 | 5.48 |
| 261 | 1.32 | 9.54 | 0.56 | 5.54 | 0.21 | 5.10 | 2.33 | 0.34 | 3.13 | 11.97 | 0.78 | 5.50 | 0.74 | 8.68 |
| 262 | 5.78 | 7.64 | 6.54 | 3.64 | 6.89 | 3.20 | 4.77 | 2.24 | 3.97 | 10.07 | 7.88 | 3.60 | 6.36 | 6.78 |
| 263 | 8.28 | 6.34 | 9.04 | 2.34 | 9.39 | 1.90 | 7.27 | 3.54 | 6.47 | 8.77 | 10.38 | 2.30 | 8.86 | 5.48 |
| 264 | 6.68 | 10.64 | 7.44 | 6.64 | 7.79 | 6.20 | 5.67 | 0.76 | 4.87 | 13.07 | 8.78 | 6.60 | 7.26 | 9.78 |
| 265 | 1.52 | 7.94 | 0.76 | 3.94 | 0.41 | 3.50 | 2.53 | 1.94 | 3.33 | 10.37 | 0.58 | 3.90 | 0.94 | 7.08 |
| 266 | 9.68 | 10.34 | 10.44 | 6.34 | 10.79 | 5.90 | 8.67 | 0.46 | 7.87 | 12.77 | 11.78 | 6.30 | 10.26 | 9.48 |
| 267 | 1.38 | 7.24 | 2.14 | 3.24 | 2.49 | 2.80 | 0.37 | 2.64 | 0.43 | 9.67 | 3.48 | 3.20 | 1.96 | 6.38 |
| 268 | 3.48 | 8.64 | 4.24 | 4.64 | 4.59 | 4.20 | 2.47 | 1.24 | 1.67 | 11.07 | 5.58 | 4.60 | 4.06 | 7.78 |
| 269 | 3.92 | 10.54 | 3.16 | 6.54 | 2.81 | 6.10 | 4.93 | 0.66 | 5.73 | 12.97 | 1.82 | 6.50 | 3.34 | 9.68 |
| 270 | 2.12 | 11.24 | 1.36 | 7.24 | 1.01 | 6.80 | 3.13 | 1.36 | 3.93 | 13.67 | 0.02 | 7.20 | 1.54 | 10.38 |
| 271 | 3.08 | 11.04 | 3.84 | 7.04 | 4.19 | 6.60 | 2.07 | 1.16 | 1.27 | 13.47 | 5.18 | 7.00 | 3.66 | 10.18 |
| 272 | 2.88 | 11.74 | 3.64 | 7.74 | 3.99 | 7.30 | 1.87 | 1.86 | 1.07 | 14.17 | 4.98 | 7.70 | 3.46 | 10.88 |
| 273 | 3.48 | 2.94 | 4.24 | 1.06 | 4.59 | 1.50 | 2.47 | 6.94 | 1.67 | 5.37 | 5.58 | 1.10 | 4.06 | 2.08 |
| 274 | 0.22 | 7.04 | 0.54 | 3.04 | 0.89 | 2.60 | 1.23 | 2.84 | 2.03 | 9.47 | 1.88 | 3.00 | 0.36 | 6.18 |
| 275 | 0.32 | 8.44 | 0.44 | 4.44 | 0.79 | 4.00 | 1.33 | 1.44 | 2.13 | 10.87 | 1.78 | 4.40 | 0.26 | 7.58 |
| 276 | 0.38 | 8.94 | 1.14 | 4.94 | 1.49 | 4.50 | 0.63 | 0.94 | 1.43 | 11.37 | 2.48 | 4.90 | 0.96 | 8.08 |
| 277 | 1.38 | 2.44 | 2.14 | 1.56 | 2.49 | 2.00 | 0.37 | 7.44 | 0.43 | 4.87 | 3.48 | 1.60 | 1.96 | 1.58 |
| 278 | 1.02 | 6.44 | 0.26 | 2.44 | 0.09 | 2.00 | 2.03 | 3.44 | 2.83 | 8.87 | 1.08 | 2.40 | 0.44 | 5.58 |
| 279 | 0.08 | 6.74 | 0.84 | 2.74 | 1.19 | 2.30 | 0.93 | 3.14 | 1.73 | 9.17 | 2.18 | 2.70 | 0.66 | 5.88 |
| 280 | 1.68 | 6.74 | 2.44 | 2.74 | 2.79 | 2.30 | 0.67 | 3.14 | 0.13 | 9.17 | 3.78 | 2.70 | 2.26 | 5.88 |
| 281 | 1.78 | 8.44 | 2.54 | 4.44 | 2.89 | 4.00 | 0.77 | 1.44 | 0.03 | 10.87 | 3.88 | 4.40 | 2.36 | 7.58 |
| 282 | 3.68 | 4.94 | 4.44 | 0.94 | 4.79 | 0.50 | 2.67 | 4.94 | 1.87 | 7.37 | 5.78 | 0.90 | 4.26 | 4.08 |
| 283 | 0.18 | 10.74 | 0.94 | 6.74 | 1.29 | 6.30 | 0.83 | 0.86 | 1.63 | 13.17 | 2.28 | 6.70 | 0.76 | 9.88 |
| 284 | 7.08 | 7.34 | 7.84 | 3.34 | 8.19 | 2.90 | 6.07 | 2.54 | 5.27 | 9.77 | 9.18 | 3.30 | 7.66 | 6.48 |
| 285 | 4.18 | 7.54 | 4.94 | 3.54 | 5.29 | 3.10 | 3.17 | 2.34 | 2.37 | 9.97 | 6.28 | 3.50 | 4.76 | 6.68 |
| 286 | 3.88 | 9.64 | 4.64 | 5.64 | 4.99 | 5.20 | 2.87 | 0.24 | 2.07 | 12.07 | 5.98 | 5.60 | 4.46 | 8.78 |
| 287 | 0.22 | 9.64 | 0.54 | 5.64 | 0.89 | 5.20 | 1.23 | 0.24 | 2.03 | 12.07 | 1.88 | 5.60 | 0.36 | 8.78 |
| 288 | 1.02 | 10.24 | 0.26 | 6.24 | 0.09 | 5.80 | 2.03 | 0.36 | 2.83 | 12.67 | 1.08 | 6.20 | 0.44 | 9.38 |
| 289 | 0.02 | 11.34 | 0.74 | 7.34 | 1.09 | 6.90 | 1.03 | 1.46 | 1.83 | 13.77 | 2.08 | 7.30 | 0.56 | 10.48 |
| 290 | 2.42 | 10.94 | 1.66 | 6.94 | 1.31 | 6.50 | 3.43 | 1.06 | 4.23 | 13.37 | 0.32 | 6.90 | 1.84 | 10.08 |
| 291 | 4.38 | 11.04 | 5.14 | 7.04 | 5.49 | 6.60 | 3.37 | 1.16 | 2.57 | 13.47 | 6.48 | 7.00 | 4.96 | 10.18 |
| 292 | 5.18 | 0.86 | 5.94 | 4.86 | 6.29 | 5.30 | 4.17 | 10.74 | 3.37 | 1.57 | 7.28 | 4.90 | 5.76 | 1.72 |
| 293 | 2.48 | 9.54 | 3.24 | 5.54 | 3.59 | 5.10 | 1.47 | 0.34 | 0.67 | 11.97 | 4.58 | 5.50 | 3.06 | 8.68 |
| 294 | 2.88 | 10.04 | 3.64 | 6.04 | 3.99 | 5.60 | 1.87 | 0.16 | 1.07 | 12.47 | 4.98 | 6.00 | 3.46 | 9.18 |
| 295 | 4.38 | 6.24 | 5.14 | 2.24 | 5.49 | 1.80 | 3.37 | 3.64 | 2.57 | 8.67 | 6.48 | 2.20 | 4.96 | 5.38 |
| 296 | 2.88 | 8.34 | 3.64 | 4.34 | 3.99 | 3.90 | 1.87 | 1.54 | 1.07 | 10.77 | 4.98 | 4.30 | 3.46 | 7.48 |
| 297 | 4.68 | 7.34 | 5.44 | 3.34 | 5.79 | 2.90 | 3.67 | 2.54 | 2.87 | 9.77 | 6.78 | 3.30 | 5.26 | 6.48 |
| 298 | 3.68 | 7.24 | 4.44 | 3.24 | 4.79 | 2.80 | 2.67 | 2.64 | 1.87 | 9.67 | 5.78 | 3.20 | 4.26 | 6.38 |
| 299 | 3.68 | 7.24 | 4.44 | 3.24 | 4.79 | 2.80 | 2.67 | 2.64 | 1.87 | 9.67 | 5.78 | 3.20 | 4.26 | 6.38 |
| 300 | 4.08 | 8.34 | 4.84 | 4.34 | 5.19 | 3.90 | 3.07 | 1.54 | 2.27 | 10.77 | 6.18 | 4.30 | 4.66 | 7.48 |
| 301 | 1.58 | 10.44 | 2.34 | 6.44 | 2.69 | 6.00 | 0.57 | 0.56 | 0.23 | 12.87 | 3.68 | 6.40 | 2.16 | 9.58 |
| 302 | 0.88 | 11.04 | 1.64 | 7.04 | 1.99 | 6.60 | 0.13 | 1.16 | 0.93 | 13.47 | 2.98 | 7.00 | 1.46 | 10.18 |
| 303 | 0.38 | 11.04 | 1.14 | 7.04 | 1.49 | 6.60 | 0.63 | 1.16 | 1.43 | 13.47 | 2.48 | 7.00 | 0.96 | 10.18 |
| 304 | 0.02 | 11.34 | 0.74 | 7.34 | 1.09 | 6.90 | 1.03 | 1.46 | 1.83 | 13.77 | 2.08 | 7.30 | 0.56 | 10.48 |
| 305 | 4.28 | 8.04 | 5.04 | 4.04 | 5.39 | 3.60 | 3.27 | 1.84 | 2.47 | 10.47 | 6.38 | 4.00 | 4.86 | 7.18 |
| 306 | 2.72 | 13.74 | 1.96 | 9.74 | 1.61 | 9.30 | 3.73 | 3.86 | 4.53 | 16.17 | 0.62 | 9.70 | 2.14 | 12.88 |
| 307 | 3.08 | 10.74 | 3.84 | 6.74 | 4.19 | 6.30 | 2.07 | 0.86 | 1.27 | 13.17 | 5.18 | 6.70 | 3.66 | 9.88 |
| 308 | 2.88 | 6.04 | 3.64 | 2.04 | 3.99 | 1.60 | 1.87 | 3.84 | 1.07 | 8.47 | 4.98 | 2.00 | 3.46 | 5.18 |
| 309 | 0.48 | 11.34 | 1.24 | 7.34 | 1.59 | 6.90 | 0.53 | 1.46 | 1.33 | 13.77 | 2.58 | 7.30 | 1.06 | 10.48 |
| 310 | 3.28 | 10.54 | 4.04 | 6.54 | 4.39 | 6.10 | 2.27 | 0.66 | 1.47 | 12.97 | 5.38 | 6.50 | 3.86 | 9.68 |
| 311 | 3.28 | 10.54 | 4.04 | 6.54 | 4.39 | 6.10 | 2.27 | 0.66 | 1.47 | 12.97 | 5.38 | 6.50 | 3.86 | 9.68 |
| 312 | 2.78 | 5.74 | 3.54 | 1.74 | 3.89 | 1.30 | 1.77 | 4.14 | 0.97 | 8.17 | 4.88 | 1.70 | 3.36 | 4.88 |
| 313 | 8.18 | 7.24 | 8.94 | 3.24 | 9.29 | 2.80 | 7.17 | 2.64 | 6.37 | 9.67 | 10.28 | 3.20 | 8.76 | 6.38 |
| 314 | 1.62 | 8.04 | 0.86 | 4.04 | 0.51 | 3.60 | 2.63 | 1.84 | 3.43 | 10.47 | 0.48 | 4.00 | 1.04 | 7.18 |
| 315 | 7.88 | 9.34 | 8.64 | 5.34 | 8.99 | 4.90 | 6.87 | 0.54 | 6.07 | 11.77 | 9.98 | 5.30 | 8.46 | 8.48 |
| 316 | 2.48 | 9.64 | 3.24 | 5.64 | 3.59 | 5.20 | 1.47 | 0.24 | 0.67 | 12.07 | 4.58 | 5.60 | 3.06 | 8.78 |
| 317 | 3.98 | 9.54 | 4.74 | 5.54 | 5.09 | 5.10 | 2.97 | 0.34 | 2.17 | 11.97 | 6.08 | 5.50 | 4.56 | 8.68 |
| 318 | 3.08 | 12.24 | 3.84 | 8.24 | 4.19 | 7.80 | 2.07 | 2.36 | 1.27 | 14.67 | 5.18 | 8.20 | 3.66 | 11.38 |
| 319 | 1.58 | 1.64 | 2.34 | 2.36 | 2.69 | 2.80 | 0.57 | 8.24 | 0.23 | 4.07 | 3.68 | 2.40 | 2.16 | 0.78 |
| 320 | 2.78 | 2.84 | 3.54 | 1.16 | 3.89 | 1.60 | 1.77 | 7.04 | 0.97 | 5.27 | 4.88 | 1.20 | 3.36 | 1.98 |
| 321 | 6.08 | 9.34 | 6.84 | 5.34 | 7.19 | 4.90 | 5.07 | 0.54 | 4.27 | 11.77 | 8.18 | 5.30 | 6.66 | 8.48 |
| 322 | 3.08 | 10.24 | 3.84 | 6.24 | 4.19 | 5.80 | 2.07 | 0.36 | 1.27 | 12.67 | 5.18 | 6.20 | 3.66 | 9.38 |
| 323 | 4.48 | 0.86 | 5.24 | 4.86 | 5.59 | 5.30 | 3.47 | 10.74 | 2.67 | 1.57 | 6.58 | 4.90 | 5.06 | 1.72 |
| 324 | 3.08 | 10.74 | 3.84 | 6.74 | 4.19 | 6.30 | 2.07 | 0.86 | 1.27 | 13.17 | 5.18 | 6.70 | 3.66 | 9.88 |
| 325 | 1.98 | 10.84 | 2.74 | 6.84 | 3.09 | 6.40 | 0.97 | 0.96 | 0.17 | 13.27 | 4.08 | 6.80 | 2.56 | 9.98 |
| 326 | 3.78 | 10.84 | 4.54 | 6.84 | 4.89 | 6.40 | 2.77 | 0.96 | 1.97 | 13.27 | 5.88 | 6.80 | 4.36 | 9.98 |
| 327 | 2.92 | 13.74 | 2.16 | 9.74 | 1.81 | 9.30 | 3.93 | 3.86 | 4.73 | 16.17 | 0.82 | 9.70 | 2.34 | 12.88 |
| 328 | 5.08 | 11.24 | 5.84 | 7.24 | 6.19 | 6.80 | 4.07 | 1.36 | 3.27 | 13.67 | 7.18 | 7.20 | 5.66 | 10.38 |
| 329 | 5.78 | 7.74 | 6.54 | 3.74 | 6.89 | 3.30 | 4.77 | 2.14 | 3.97 | 10.17 | 7.88 | 3.70 | 6.36 | 6.88 |
| 330 | 6.08 | 7.46 | 6.84 | 11.46 | 7.19 | 11.90 | 5.07 | 17.34 | 4.27 | 5.03 | 8.18 | 11.50 | 6.66 | 8.32 |
| 331 | 0.18 | 9.14 | 0.94 | 5.14 | 1.29 | 4.70 | 0.83 | 0.74 | 1.63 | 11.57 | 2.28 | 5.10 | 0.76 | 8.28 |
| 332 | 3.58 | 6.34 | 4.34 | 2.34 | 4.69 | 1.90 | 2.57 | 3.54 | 1.77 | 8.77 | 5.68 | 2.30 | 4.16 | 5.48 |
| 333 | 1.32 | 9.74 | 0.56 | 5.74 | 0.21 | 5.30 | 2.33 | 0.14 | 3.13 | 12.17 | 0.78 | 5.70 | 0.74 | 8.88 |
| 334 | 0.68 | 8.44 | 1.44 | 4.44 | 1.79 | 4.00 | 0.33 | 1.44 | 1.13 | 10.87 | 2.78 | 4.40 | 1.26 | 7.58 |
| 335 | 6.58 | 6.24 | 7.34 | 2.24 | 7.69 | 1.80 | 5.57 | 3.64 | 4.77 | 8.67 | 8.68 | 2.20 | 7.16 | 5.38 |
| 336 | 2.42 | 7.64 | 1.66 | 3.64 | 1.31 | 3.20 | 3.43 | 2.24 | 4.23 | 10.07 | 0.32 | 3.60 | 1.84 | 6.78 |
| 337 | 4.72 | 13.14 | 3.96 | 9.14 | 3.61 | 8.70 | 5.73 | 3.26 | 6.53 | 15.57 | 2.62 | 9.10 | 4.14 | 12.28 |
| 338 | 4.62 | 12.74 | 3.86 | 8.74 | 3.51 | 8.30 | 5.63 | 2.86 | 6.43 | 15.17 | 2.52 | 8.70 | 4.04 | 11.88 |
| 339 | 1.62 | 7.64 | 0.86 | 3.64 | 0.51 | 3.20 | 2.63 | 2.24 | 3.43 | 10.07 | 0.48 | 3.60 | 1.04 | 6.78 |
| 340 | 1.82 | 8.64 | 1.06 | 4.64 | 0.71 | 4.20 | 2.83 | 1.24 | 3.63 | 11.07 | 0.28 | 4.60 | 1.24 | 7.78 |
| 341 | 6.68 | 4.54 | 7.44 | 0.54 | 7.79 | 0.10 | 5.67 | 5.34 | 4.87 | 6.97 | 8.78 | 0.50 | 7.26 | 3.68 |
| 342 | 2.88 | 9.04 | 3.64 | 5.04 | 3.99 | 4.60 | 1.87 | 0.84 | 1.07 | 11.47 | 4.98 | 5.00 | 3.46 | 8.18 |
| 343 | 4.88 | 9.24 | 5.64 | 5.24 | 5.99 | 4.80 | 3.87 | 0.64 | 3.07 | 11.67 | 6.98 | 5.20 | 5.46 | 8.38 |
| 344 | 9.98 | 6.64 | 10.74 | 2.64 | 11.09 | 2.20 | 8.97 | 3.24 | 8.17 | 9.07 | 12.08 | 2.60 | 10.56 | 5.78 |
| 345 | 1.62 | 11.74 | 0.86 | 7.74 | 0.51 | 7.30 | 2.63 | 1.86 | 3.43 | 14.17 | 0.48 | 7.70 | 1.04 | 10.88 |
| 346 | 1.08 | 1.74 | 1.84 | 2.26 | 2.19 | 2.70 | 0.07 | 8.14 | 0.73 | 4.17 | 3.18 | 2.30 | 1.66 | 0.88 |
| 347 | 1.98 | 8.04 | 2.74 | 4.04 | 3.09 | 3.60 | 0.97 | 1.84 | 0.17 | 10.47 | 4.08 | 4.00 | 2.56 | 7.18 |
| 348 | 7.28 | 6.96 | 8.04 | 10.96 | 8.39 | 11.40 | 6.27 | 16.84 | 5.47 | 4.53 | 9.38 | 11.00 | 7.86 | 7.82 |
| 349 | 0.62 | 5.54 | 0.14 | 1.54 | 0.49 | 1.10 | 1.63 | 4.34 | 2.43 | 7.97 | 1.48 | 1.50 | 0.04 | 4.68 |
| 350 | 2.58 | 5.84 | 3.34 | 1.84 | 3.69 | 1.40 | 1.57 | 4.04 | 0.77 | 8.27 | 4.68 | 1.80 | 3.16 | 4.98 |
| 351 | 0.02 | 9.34 | 0.74 | 5.34 | 1.09 | 4.90 | 1.03 | 0.54 | 1.83 | 11.77 | 2.08 | 5.30 | 0.56 | 8.48 |
| 352 | 1.18 | 8.14 | 1.94 | 4.14 | 2.29 | 3.70 | 0.17 | 1.74 | 0.63 | 10.57 | 3.28 | 4.10 | 1.76 | 7.28 |
| 353 | 1.28 | 3.74 | 2.04 | 0.26 | 2.39 | 0.70 | 0.27 | 6.14 | 0.53 | 6.17 | 3.38 | 0.30 | 1.86 | 2.88 |
| 354 | 2.48 | 6.54 | 3.24 | 2.54 | 3.59 | 2.10 | 1.47 | 3.34 | 0.67 | 8.97 | 4.58 | 2.50 | 3.06 | 5.68 |
| 355 | 2.28 | 3.14 | 3.04 | 0.86 | 3.39 | 1.30 | 1.27 | 6.74 | 0.47 | 5.57 | 4.38 | 0.90 | 2.86 | 2.28 |
| 356 | 4.48 | 1.54 | 5.24 | 2.46 | 5.59 | 2.90 | 3.47 | 8.34 | 2.67 | 3.97 | 6.58 | 2.50 | 5.06 | 0.68 |
| 357 | 0.38 | 4.54 | 1.14 | 0.54 | 1.49 | 0.10 | 0.63 | 5.34 | 1.43 | 6.97 | 2.48 | 0.50 | 0.96 | 3.68 |
| 358 | 3.08 | 1.14 | 3.84 | 2.86 | 4.19 | 3.30 | 2.07 | 8.74 | 1.27 | 3.57 | 5.18 | 2.90 | 3.66 | 0.28 |
| 359 | 2.48 | 2.44 | 3.24 | 1.56 | 3.59 | 2.00 | 1.47 | 7.44 | 0.67 | 4.87 | 4.58 | 1.60 | 3.06 | 1.58 |
| 360 | 8.58 | 0.56 | 9.34 | 4.56 | 9.69 | 5.00 | 7.57 | 10.44 | 6.77 | 1.87 | 10.68 | 4.60 | 9.16 | 1.42 |
| 361 | 4.28 | 12.74 | 5.04 | 8.74 | 5.39 | 8.30 | 3.27 | 2.86 | 2.47 | 15.17 | 6.38 | 8.70 | 4.86 | 11.88 |
| 362 | 6.48 | 10.54 | 7.24 | 6.54 | 7.59 | 6.10 | 5.47 | 0.66 | 4.67 | 12.97 | 8.58 | 6.50 | 7.06 | 9.68 |
| 363 | 6.48 | 10.54 | 7.24 | 6.54 | 7.59 | 6.10 | 5.47 | 0.66 | 4.67 | 12.97 | 8.58 | 6.50 | 7.06 | 9.68 |
| 364 | 5.48 | 10.74 | 6.24 | 6.74 | 6.59 | 6.30 | 4.47 | 0.86 | 3.67 | 13.17 | 7.58 | 6.70 | 6.06 | 9.88 |
| 365 | 2.08 | 10.14 | 2.84 | 6.14 | 3.19 | 5.70 | 1.07 | 0.26 | 0.27 | 12.57 | 4.18 | 6.10 | 2.66 | 9.28 |
| 366 | 6.28 | 10.04 | 7.04 | 6.04 | 7.39 | 5.60 | 5.27 | 0.16 | 4.47 | 12.47 | 8.38 | 6.00 | 6.86 | 9.18 |
| 367 | 2.88 | 10.14 | 3.64 | 6.14 | 3.99 | 5.70 | 1.87 | 0.26 | 1.07 | 12.57 | 4.98 | 6.10 | 3.46 | 9.28 |
| 368 | 1.58 | 3.04 | 2.34 | 0.96 | 2.69 | 1.40 | 0.57 | 6.84 | 0.23 | 5.47 | 3.68 | 1.00 | 2.16 | 2.18 |
| 369 | 0.78 | 8.04 | 1.54 | 4.04 | 1.89 | 3.60 | 0.23 | 1.84 | 1.03 | 10.47 | 2.88 | 4.00 | 1.36 | 7.18 |
| 370 | 1.62 | 2.94 | 0.86 | 1.06 | 0.51 | 1.50 | 2.63 | 6.94 | 3.43 | 5.37 | 0.48 | 1.10 | 1.04 | 2.08 |
| 371 | 1.02 | 9.64 | 0.26 | 5.64 | 0.09 | 5.20 | 2.03 | 0.24 | 2.83 | 12.07 | 1.08 | 5.60 | 0.44 | 8.78 |
| 372 | 1.48 | 11.14 | 2.24 | 7.14 | 2.59 | 6.70 | 0.47 | 1.26 | 0.33 | 13.57 | 3.58 | 7.10 | 2.06 | 10.28 |
| 373 | 2.48 | 10.34 | 3.24 | 6.34 | 3.59 | 5.90 | 1.47 | 0.46 | 0.67 | 12.77 | 4.58 | 6.30 | 3.06 | 9.48 |
| 374 | 2.92 | 9.94 | 2.16 | 5.94 | 1.81 | 5.50 | 3.93 | 0.06 | 4.73 | 12.37 | 0.82 | 5.90 | 2.34 | 9.08 |
| 375 | 1.88 | 10.84 | 2.64 | 6.84 | 2.99 | 6.40 | 0.87 | 0.96 | 0.07 | 13.27 | 3.98 | 6.80 | 2.46 | 9.98 |
| 376 | 5.28 | 8.04 | 6.04 | 4.04 | 6.39 | 3.60 | 4.27 | 1.84 | 3.47 | 10.47 | 7.38 | 4.00 | 5.86 | 7.18 |
| 377 | 5.48 | 7.84 | 6.24 | 3.84 | 6.59 | 3.40 | 4.47 | 2.04 | 3.67 | 10.27 | 7.58 | 3.80 | 6.06 | 6.98 |
| 378 | 10.38 | 5.64 | 11.14 | 1.64 | 11.49 | 1.20 | 9.37 | 4.24 | 8.57 | 8.07 | 12.48 | 1.60 | 10.96 | 4.78 |
| 379 | 0.78 | 8.54 | 1.54 | 4.54 | 1.89 | 4.10 | 0.23 | 1.34 | 1.03 | 10.97 | 2.88 | 4.50 | 1.36 | 7.68 |
| 380 | 0.18 | 8.84 | 0.94 | 4.84 | 1.29 | 4.40 | 0.83 | 1.04 | 1.63 | 11.27 | 2.28 | 4.80 | 0.76 | 7.98 |
| 381 | 6.78 | 3.54 | 7.54 | 0.46 | 7.89 | 0.90 | 5.77 | 6.34 | 4.97 | 5.97 | 8.88 | 0.50 | 7.36 | 2.68 |
| 382 | 1.32 | 6.14 | 0.56 | 2.14 | 0.21 | 1.70 | 2.33 | 3.74 | 3.13 | 8.57 | 0.78 | 2.10 | 0.74 | 5.28 |
| 383 | 0.08 | 2.54 | 0.84 | 1.46 | 1.19 | 1.90 | 0.93 | 7.34 | 1.73 | 4.97 | 2.18 | 1.50 | 0.66 | 1.68 |
| 384 | 0.08 | 5.84 | 0.84 | 1.84 | 1.19 | 1.40 | 0.93 | 4.04 | 1.73 | 8.27 | 2.18 | 1.80 | 0.66 | 4.98 |
| 385 | 5.88 | 6.34 | 6.64 | 2.34 | 6.99 | 1.90 | 4.87 | 3.54 | 4.07 | 8.77 | 7.98 | 2.30 | 6.46 | 5.48 |
| 386 | 0.82 | 4.04 | 0.06 | 0.04 | 0.29 | 0.40 | 1.83 | 5.84 | 2.63 | 6.47 | 1.28 | 0.00 | 0.24 | 3.18 |
| 387 | 1.28 | 7.74 | 2.04 | 3.74 | 2.39 | 3.30 | 0.27 | 2.14 | 0.53 | 10.17 | 3.38 | 3.70 | 1.86 | 6.88 |
| 388 | 1.38 | 4.54 | 2.14 | 0.54 | 2.49 | 0.10 | 0.37 | 5.34 | 0.43 | 6.97 | 3.48 | 0.50 | 1.96 | 3.68 |
| 389 | 0.58 | 2.04 | 1.34 | 1.96 | 1.69 | 2.40 | 0.43 | 7.84 | 1.23 | 4.47 | 2.68 | 2.00 | 1.16 | 1.18 |
| 390 | 3.08 | 7.24 | 3.84 | 3.24 | 4.19 | 2.80 | 2.07 | 2.64 | 1.27 | 9.67 | 5.18 | 3.20 | 3.66 | 6.38 |
| 391 | 4.48 | 1.56 | 5.24 | 5.56 | 5.59 | 6.00 | 3.47 | 11.44 | 2.67 | 0.87 | 6.58 | 5.60 | 5.06 | 2.42 |
| 392 | 1.38 | 8.04 | 2.14 | 4.04 | 2.49 | 3.60 | 0.37 | 1.84 | 0.43 | 10.47 | 3.48 | 4.00 | 1.96 | 7.18 |
| 393 | 8.98 | 2.44 | 9.74 | 1.56 | 10.09 | 2.00 | 7.97 | 7.44 | 7.17 | 4.87 | 11.08 | 1.60 | 9.56 | 1.58 |
| 394 | 1.18 | 2.74 | 1.94 | 1.26 | 2.29 | 1.70 | 0.17 | 7.14 | 0.63 | 5.17 | 3.28 | 1.30 | 1.76 | 1.88 |
| 395 | 2.68 | 8.94 | 3.44 | 4.94 | 3.79 | 4.50 | 1.67 | 0.94 | 0.87 | 11.37 | 4.78 | 4.90 | 3.26 | 8.08 |
| 396 | 8.38 | 6.24 | 9.14 | 2.24 | 9.49 | 1.80 | 7.37 | 3.64 | 6.57 | 8.67 | 10.48 | 2.20 | 8.96 | 5.38 |
| 397 | 0.18 | 0.84 | 0.94 | 3.16 | 1.29 | 3.60 | 0.83 | 9.04 | 1.63 | 3.27 | 2.28 | 3.20 | 0.76 | 0.02 |
| 398 | 1.28 | 0.34 | 2.04 | 3.66 | 2.39 | 4.10 | 0.27 | 9.54 | 0.53 | 2.77 | 3.38 | 3.70 | 1.86 | 0.52 |
| 399 | 6.08 | 8.84 | 6.84 | 4.84 | 7.19 | 4.40 | 5.07 | 1.04 | 4.27 | 11.27 | 8.18 | 4.80 | 6.66 | 7.98 |
| 400 | 2.88 | 6.94 | 3.64 | 2.94 | 3.99 | 2.50 | 1.87 | 2.94 | 1.07 | 9.37 | 4.98 | 2.90 | 3.46 | 6.08 |
| 401 | 1.68 | 6.34 | 2.44 | 2.34 | 2.79 | 1.90 | 0.67 | 3.54 | 0.13 | 8.77 | 3.78 | 2.30 | 2.26 | 5.48 |
| 402 | 14.68 | 1.44 | 15.44 | 2.56 | 15.79 | 3.00 | 13.67 | 8.44 | 12.87 | 3.87 | 16.78 | 2.60 | 15.26 | 0.58 |
| 403 | 11.68 | 3.54 | 12.44 | 0.46 | 12.79 | 0.90 | 10.67 | 6.34 | 9.87 | 5.97 | 13.78 | 0.50 | 12.26 | 2.68 |
| 404 | 3.52 | 10.94 | 2.76 | 6.94 | 2.41 | 6.50 | 4.53 | 1.06 | 5.33 | 13.37 | 1.42 | 6.90 | 2.94 | 10.08 |
| 405 | 2.28 | 10.64 | 3.04 | 6.64 | 3.39 | 6.20 | 1.27 | 0.76 | 0.47 | 13.07 | 4.38 | 6.60 | 2.86 | 9.78 |
| 406 | 2.92 | 6.34 | 2.16 | 2.34 | 1.81 | 1.90 | 3.93 | 3.54 | 4.73 | 8.77 | 0.82 | 2.30 | 2.34 | 5.48 |
| 407 | 1.88 | 4.44 | 2.64 | 0.44 | 2.99 | 0.00 | 0.87 | 5.44 | 0.07 | 6.87 | 3.98 | 0.40 | 2.46 | 3.58 |
| 408 | 3.32 | 9.64 | 2.56 | 5.64 | 2.21 | 5.20 | 4.33 | 0.24 | 5.13 | 12.07 | 1.22 | 5.60 | 2.74 | 8.78 |
| 409 | 0.98 | 8.84 | 1.74 | 4.84 | 2.09 | 4.40 | 0.03 | 1.04 | 0.83 | 11.27 | 3.08 | 4.80 | 1.56 | 7.98 |
| 410 | 5.88 | 3.96 | 6.64 | 7.96 | 6.99 | 8.40 | 4.87 | 13.84 | 4.07 | 1.53 | 7.98 | 8.00 | 6.46 | 4.82 |
| 411 | 0.98 | 2.54 | 1.74 | 1.46 | 2.09 | 1.90 | 0.03 | 7.34 | 0.83 | 4.97 | 3.08 | 1.50 | 1.56 | 1.68 |
| 412 | 0.18 | 5.74 | 0.94 | 1.74 | 1.29 | 1.30 | 0.83 | 4.14 | 1.63 | 8.17 | 2.28 | 1.70 | 0.76 | 4.88 |
| 413 | 3.08 | 7.24 | 3.84 | 3.24 | 4.19 | 2.80 | 2.07 | 2.64 | 1.27 | 9.67 | 5.18 | 3.20 | 3.66 | 6.38 |
| 414 | 0.68 | 11.84 | 1.44 | 7.84 | 1.79 | 7.40 | 0.33 | 1.96 | 1.13 | 14.27 | 2.78 | 7.80 | 1.26 | 10.98 |
| 415 | 3.72 | 6.74 | 2.96 | 2.74 | 2.61 | 2.30 | 4.73 | 3.14 | 5.53 | 9.17 | 1.62 | 2.70 | 3.14 | 5.88 |
| 416 | 0.12 | 8.14 | 0.64 | 4.14 | 0.99 | 3.70 | 1.13 | 1.74 | 1.93 | 10.57 | 1.98 | 4.10 | 0.46 | 7.28 |
| 417 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 418 | 4.72 | 13.74 | 3.96 | 9.74 | 3.61 | 9.30 | 5.73 | 3.86 | 6.53 | 16.17 | 2.62 | 9.70 | 4.14 | 12.88 |
| 419 | 2.88 | 7.14 | 3.64 | 3.14 | 3.99 | 2.70 | 1.87 | 2.74 | 1.07 | 9.57 | 4.98 | 3.10 | 3.46 | 6.28 |
| 420 | 3.88 | 7.04 | 4.64 | 3.04 | 4.99 | 2.60 | 2.87 | 2.84 | 2.07 | 9.47 | 5.98 | 3.00 | 4.46 | 6.18 |
| 421 | 2.98 | 6.34 | 3.74 | 2.34 | 4.09 | 1.90 | 1.97 | 3.54 | 1.17 | 8.77 | 5.08 | 2.30 | 3.56 | 5.48 |
| 422 | 9.08 | 9.84 | 9.84 | 5.84 | 10.19 | 5.40 | 8.07 | 0.04 | 7.27 | 12.27 | 11.18 | 5.80 | 9.66 | 8.98 |
| 423 | 2.48 | 5.04 | 3.24 | 1.04 | 3.59 | 0.60 | 1.47 | 4.84 | 0.67 | 7.47 | 4.58 | 1.00 | 3.06 | 4.18 |
| 424 | 10.18 | 6.94 | 10.94 | 2.94 | 11.29 | 2.50 | 9.17 | 2.94 | 8.37 | 9.37 | 12.28 | 2.90 | 10.76 | 6.08 |
| 425 | 1.78 | 6.64 | 2.54 | 2.64 | 2.89 | 2.20 | 0.77 | 3.24 | 0.03 | 9.07 | 3.88 | 2.60 | 2.36 | 5.78 |
| 426 | 4.08 | 5.66 | 4.84 | 9.66 | 5.19 | 10.10 | 3.07 | 15.54 | 2.27 | 3.23 | 6.18 | 9.70 | 4.66 | 6.52 |
| 427 | 10.78 | 7.46 | 11.54 | 11.46 | 11.89 | 11.90 | 9.77 | 17.34 | 8.97 | 5.03 | 12.88 | 11.50 | 11.36 | 8.32 |
| 428 | 5.58 | 7.34 | 6.34 | 3.34 | 6.69 | 2.90 | 4.57 | 2.54 | 3.77 | 9.77 | 7.68 | 3.30 | 6.16 | 6.48 |
| 429 | 0.98 | 2.04 | 1.74 | 1.96 | 2.09 | 2.40 | 0.03 | 7.84 | 0.83 | 4.47 | 3.08 | 2.00 | 1.56 | 1.18 |
| 430 | 4.08 | 6.34 | 4.84 | 2.34 | 5.19 | 1.90 | 3.07 | 3.54 | 2.27 | 8.77 | 6.18 | 2.30 | 4.66 | 5.48 |
| 431 | 1.42 | 4.94 | 0.66 | 0.94 | 0.31 | 0.50 | 2.43 | 4.94 | 3.23 | 7.37 | 0.68 | 0.90 | 0.84 | 4.08 |
| 432 | 0.58 | 6.54 | 1.34 | 2.54 | 1.69 | 2.10 | 0.43 | 3.34 | 1.23 | 8.97 | 2.68 | 2.50 | 1.16 | 5.68 |
| 433 | 1.32 | 8.74 | 0.56 | 4.74 | 0.21 | 4.30 | 2.33 | 1.14 | 3.13 | 11.17 | 0.78 | 4.70 | 0.74 | 7.88 |
| 434 | 2.38 | 8.24 | 3.14 | 4.24 | 3.49 | 3.80 | 1.37 | 1.64 | 0.57 | 10.67 | 4.48 | 4.20 | 2.96 | 7.38 |
| 435 | 0.88 | 3.04 | 1.64 | 0.96 | 1.99 | 1.40 | 0.13 | 6.84 | 0.93 | 5.47 | 2.98 | 1.00 | 1.46 | 2.18 |
| 436 | 0.22 | 9.64 | 0.54 | 5.64 | 0.89 | 5.20 | 1.23 | 0.24 | 2.03 | 12.07 | 1.88 | 5.60 | 0.36 | 8.78 |
| 437 | 4.12 | 12.34 | 3.36 | 8.34 | 3.01 | 7.90 | 5.13 | 2.46 | 5.93 | 14.77 | 2.02 | 8.30 | 3.54 | 11.48 |
| 438 | 3.68 | 11.44 | 4.44 | 7.44 | 4.79 | 7.00 | 2.67 | 1.56 | 1.87 | 13.87 | 5.78 | 7.40 | 4.26 | 10.58 |
| 439 | 0.28 | 9.64 | 1.04 | 5.64 | 1.39 | 5.20 | 0.73 | 0.24 | 1.53 | 12.07 | 2.38 | 5.60 | 0.86 | 8.78 |
| 440 | 5.38 | 0.74 | 6.14 | 3.26 | 6.49 | 3.70 | 4.37 | 9.14 | 3.57 | 3.17 | 7.48 | 3.30 | 5.96 | 0.12 |
| 441 | 10.48 | 7.94 | 11.24 | 3.94 | 11.59 | 3.50 | 9.47 | 1.94 | 8.67 | 10.37 | 12.58 | 3.90 | 11.06 | 7.08 |
| 442 | 1.38 | 10.84 | 2.14 | 6.84 | 2.49 | 6.40 | 0.37 | 0.96 | 0.43 | 13.27 | 3.48 | 6.80 | 1.96 | 9.98 |
| 443 | 5.28 | 7.04 | 6.04 | 3.04 | 6.39 | 2.60 | 4.27 | 2.84 | 3.47 | 9.47 | 7.38 | 3.00 | 5.86 | 6.18 |
| 444 | 3.48 | 9.64 | 4.24 | 5.64 | 4.59 | 5.20 | 2.47 | 0.24 | 1.67 | 12.07 | 5.58 | 5.60 | 4.06 | 8.78 |
| 445 | 3.28 | 8.24 | 4.04 | 4.24 | 4.39 | 3.80 | 2.27 | 1.64 | 1.47 | 10.67 | 5.38 | 4.20 | 3.86 | 7.38 |
| 446 | 5.58 | 4.74 | 6.34 | 0.74 | 6.69 | 0.30 | 4.57 | 5.14 | 3.77 | 7.17 | 7.68 | 0.70 | 6.16 | 3.88 |
| 447 | 3.18 | 7.84 | 3.94 | 3.84 | 4.29 | 3.40 | 2.17 | 2.04 | 1.37 | 10.27 | 5.28 | 3.80 | 3.76 | 6.98 |
| 448 | 3.68 | 5.34 | 4.44 | 1.34 | 4.79 | 0.90 | 2.67 | 4.54 | 1.87 | 7.77 | 5.78 | 1.30 | 4.26 | 4.48 |
| 449 | 1.82 | 8.64 | 1.06 | 4.64 | 0.71 | 4.20 | 2.83 | 1.24 | 3.63 | 11.07 | 0.28 | 4.60 | 1.24 | 7.78 |
| 450 | 0.02 | 10.34 | 0.74 | 6.34 | 1.09 | 5.90 | 1.03 | 0.46 | 1.83 | 12.77 | 2.08 | 6.30 | 0.56 | 9.48 |
| 451 | 3.88 | 7.24 | 4.64 | 3.24 | 4.99 | 2.80 | 2.87 | 2.64 | 2.07 | 9.67 | 5.98 | 3.20 | 4.46 | 6.38 |
| 452 | 3.18 | 6.54 | 3.94 | 2.54 | 4.29 | 2.10 | 2.17 | 3.34 | 1.37 | 8.97 | 5.28 | 2.50 | 3.76 | 5.68 |

References

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