1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

-1-.000 nan 0.758 0.624 0.607 0.556 0.468 0.370 0.244 0.185 0.119 0.100 0.130 0.105 0.141 0.221 0.249 0.249 0.213 0.205 0.378 0.401 0.349 0.373 0.344 0.297 0.316 0.388 0.369 0.126 0.110 0.120 -0.047-0.288-0.220-0.211-0.295-0.439-0.378-0.292-0.224-0.176-0.077 0.055 0.123 0.094 0.052 -0.0 0.758 nan 1.000 0.850 0.835 0.798 0.742 0.637 0.506 0.447 0.384 0.364 0.382 0.284 0.249 0.310 0.3854 0.624 nan 0.850 1.000 0.995 0.974 0.927 0.828 0.701 0.633 0.570 0.508 0.449 0.335 0.300 0.365 0.397 0.431 0.438 0.443 0.491 0.547 0.146 -0.076 -0.141 -0.054 -0.178 -0.099 -0.150 -0.295 -0.267 -0.216 -0.257 -0.241 -0.146 -0.122 -0.088 -0.060 -0.001 0.058 0.113 0.067 0.025 -0.00 0.607 nan 0.835 0.995 1.000 0.991 0.956 0.872 0.758 0.694 0.632 0.568 0.503 0.376 0.331 0.393 0.420 0.451 0.460 0.462 0.499 0.536 0.554 0.408 0.284 0.280 0.257 0.152 -0.066-0.141-0.183-0.116-0.176-0.310-0.285-0.238-0.238-0.238-0.239-0.155-0.119-0.074-0.046 0.009 0.068 0.111 0.066 0.025 -0.00 6 0.556 nan 0.798 0.974 0.991 1.000 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0.298 0.224 0.263 0.374 0.459 0.525 0.564 0.615 0.706 0.892 1.000 0.845 0.593 0.484 0.421 0.309 0.090 -0.007 0.084 -0.066-0.101 0.044 0.004 -0.257-0.302-0.182-0.258-0.379-0.344-0.390-0.394-0.321-0.141 0.022 -0.031-0.123-0.151-0.171 0.571 0 24 0.401 nan 0.393 0.417 0.408 0.391 0.345 0.296 0.234 0.193 0.190 0.233 0.289 0.253 0.272 0.301 0.314 0.339 0.309 0.338 0.407 0.591 0.845 1.000 0.856 0.708 0.547 0.319 0.141 0.160 0.199 0.000 -0.054 0.028 -0.023 -0.250 -0.214 -0.104 -0.221 -0.426 -0.460 -0.489 -0.458 -0.365 -0.157 0.025 -0.013 -0.070 -0.084 -0.1 25 0.349 nan 0.266 0.284 0.284 0.284 0.284 0.284 0.285 0.178 0.121 0.080 0.078 0.107 0.189 0.213 0.250 0.279 0.291 0.271 0.191 0.186 0.229 0.232 0.090 -0.006-0.068-0.144-0.274-0.266-0.152-0.243-0.349-0.354-0.377-0.417-0.381-0.149 0.074 0.082 0.068 0.064 0.068 26 0.373 nan 0.331 0.274 0.280 0.267 0.225 0.180 0.126 0.092 0.092 0.120 0.203 0.225 0.248 0.279 0.309 0.277 0.219 0.209 0.201 0.304 0.484 0.708 0.916 1.000 0.906 0.618 0.331 0.225 0.202 0.094 -0.008-0.140-0.207-0.323-0.362-0.283-0.362-0.328-0.358-0.323-0.368-0.325-0.325-0.325-0.325-0.287-0.067 0.144 0.137 0.103 0.086 0.04 0.344 nan 0.385 0.247 0.257 0.252 0.215 0.184 0.151 0.139 0.156 0.197 0.274 0.284 0.303 0.338 0.378 0.350 0.346 0.341 0.325 0.384 0.421 0.547 0.705 0.906 1.000 0.866 0.521 0.223 0.138 0.060 -0.004-0.167-0.258-0.358-0.439-0.412-0.406-0.407-0.328-0.244-0.220-0.151 0.032 0.201 0.118 0.042 0.001 -0.049 28 0.297 nan 0.356 0.146 0.152 0.145 0.107 0.086 0.078 0.094 0.132 0.197 0.276 0.281 0.320 0.387 0.437 0.417 0.453 0.445 0.400 0.324 0.309 0.319 0.379 0.618 0.085 0.096 0.022 0.087 -0.110-0.289-0.296-0.421-0.480-0.468-0.424-0.325-0.204-0.134-0.085 0.095 0.226 0.073 -0.052-0.114-0.16 29 0.316 nan 0.126 -0.076-0.066-0.080-0.110-0.107-0.085-0.065-0.016 0.058 0.151 0.179 0.232 0.304 0.335 0.324 0.309 0.288 0.226 0.108 0.087 0.108 0.087 0.108 0.087 0.108 0.085-0.325 30 0.388 nan -0.049-0.141-0.122-0.133-0.148-0.128-0.133-0.148-0.128-0.105-0.093-0.065-0.024-0.004-0.023 0.000 0.021 0.016 0.014-0.039-0.132-0.20 0.225 0.223 0.282 0.706 1.000 0.772 0.363 0.267 0.260 0.141-0.118-0.137-0.070-0.196-0.510-0.591-0.526-0.411-0.279-0.051 0.090-0.042-0.089-0.132-0.20 31 0.369 nan = 0.004=0.054=0.054=0.054=0.054=0.054=0.059=0.051=0.049=0.051=0.049=0.051=0.049=0.051=0.049=0.051=0.044=0.1090=0.110=0.134=0.169=0.169=0.169=0.184=0.169=0.112=0.207=0.485=0.511=0.418=0.355=0.262=0.071=0.015=0.090=0.110=0.134=0.169=0.169=0.169=0.169=0.169=0.184=0.169=0.184=0.169=0.112=0.207=0.485=0.511=0.418=0.355=0.262=0.071=0.015=0.090=0.110=0.134=0.169=0 26 nan $^{\circ}$ -0.060 -0.148 -0.141 -0.147 -0.150 -0.147 -0.150 -0.142 -0.131 -0.115 -0.148 -0.169 -0.199 -0.241 -0.252 -0.244 -0.207 -0.204 -0.085 nan = 0.072 = 0.178 = 0.183 = 0.194 = 0.220 = 0.224 = 0.223 = 0.224 = 0.235 = 0.188 = 0.206 = 0.221 = 0.224 = 0.249 = 120 nan $^{\circ}$ -0.135-0.099-0.116-0.126-0.178-0.126-0.178-0.189-0.189-0.189-0.189-0.189-0.170-0.153-0.140-0.184-0.253-0.266-0.279-0.241-0.165-0.143-0.101-0.026-0.068-0.140-0.167-0.110 0.080 0.260 0.284 0.442 0.658 1.000 0.771 0.309 0.158-0.015-0.222-0.431-0.446-0.528-0.516-0.433-0.292-0.080 0.008-0.001-0.026-0.091-0.026-0.068-0.140-0.167-0.110 0.080 0.260 0.284 0.442 0.658 1.000 0.771 0.309 0.158-0.015-0.222-0.431-0.486-0.528-0.516-0.433-0.292-0.080 0.008 -0.001-0.026-0.068-0.091-0.026-0.068-0.091-0.080 0.284 0.442 0.658 1.000 0.771 0.309 0.158-0.015-0.222-0.431-0.466-0.528-0.516-0.433-0.292-0.080 0.008-0.001-0.026-0.068-0.091-0.026-0.068-0.091-0.080 0.284 0.442 0.658 1.000 0.771 0.309 0.158-0.015-0.222-0.431-0.466-0.528-0.516-0.433-0.292-0.080 0.008-0.001-0.026-0.068-0.091-0.080 0.284 0.442 0.658 1.000 0.771 0.309 0.158-0.015-0.222-0.431-0.466-0.528-0.516-0.433-0.292-0.080 0.008-0.001-0.026-0.068-0.091-0.080 0.284 0.442 0.658 1.000 0.771 0.309 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-0.399-0.267-0.285-0.272-0.285-0.272-0.285-0.272-0.280-0.228-0.181-0.185-0.181-0.185-0.187-0.242-0.278-0.304-0.356-0.367-0.370-0.428-0.411-0.376-0.362-0.489-0.421-0.272-0.137-0.169-0.209-0.088 0.211 nan $^{\circ}$ -0.379-0.216-0.238-0.247-0.255-0.238-0.247-0.255-0.238-0.220-0.241-0.238-0.231-0.292-0.301-0.287-0.328-0.336-0.338-0.418-0.398-0.182-0.104-0.152-0.387-0.315-0.015 0.349 0.444 $^{\circ}$ 0.797 1.000 0.834 $^{\circ}$ 0.272-0.114-0.258-0.304-0.359-0.450-0.558-0.411-0.281-0.281-0.228-0.19 0.224 nan 0.089 -0.088-0.074-0.066-0.074-0.066-0.019-0.021-0.009 0.007 -0.013-0.049-0.088 0.013 -0.091 0.107 0.108 0.108 -0.130-0.182-0.184-0.269-0.184-0.269-0.184-0.269-0.184-0.269-0.184-0.269-0.184-0.180-0.182-0.182-0.182-0.184-0.180-0.184-0.180-0.184-0.180-0.184-0.180-0.184-0.18077 nan 0.177 -0.001 0.009 0.017 0.009 0.017 0.040 0.057 0.085 0.117 0.162 0.203 0.187 0.085 0.006 -0.089-0.069 0.009-0.069 0.019 0.015 -0.019-0.083-0.141 -0.157-0.161 -0.292-0.394-0.395-0.379-0.450-0.370-0.088 0.132 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