

semmcci: Internal Tests

Ivan Jacob Agaloos Pesigan

Tests

```
#> test-semmcci-mc-latent-med-defined-none
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-defined
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-std-defined-none
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-std-defined
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-equality
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-inequality
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-none
```

```

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined-none-random-x

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined-none

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-methods

#> Monte Carlo Confidence Intervals
#>

```

	est	se	R	0.05%	0.5%	2.5%	97.5%	99.5%	99.95%
#> visual=~x2	0.5535	0.1044	100	0.3218	0.3253	0.3664	0.7282	0.8079	0.8194
#> visual=~x3	0.7294	0.1007	100	0.4876	0.5009	0.5344	0.8814	0.9576	1.0037
#> textual=~x5	1.1131	0.0628	100	0.8991	0.9139	0.9558	1.2096	1.2442	1.2699
#> textual=~x6	0.9261	0.0584	100	0.8055	0.8100	0.8296	1.0471	1.0876	1.1020
#> speed=~x8	1.1800	0.1702	100	0.7714	0.7826	0.8646	1.5514	1.6455	1.6486
#> speed=~x9	1.0815	0.1501	100	0.7272	0.7286	0.7911	1.3749	1.4125	1.4185
#> x1~~x1	0.5491	0.0964	100	0.2941	0.3103	0.3550	0.7318	0.7765	0.7864
#> x2~~x2	1.1338	0.1027	100	0.8293	0.8830	0.9570	1.3493	1.3768	1.3934
#> x3~~x3	0.8443	0.0852	100	0.6407	0.6420	0.6524	0.9926	1.0086	1.0104
#> x4~~x4	0.3712	0.0458	100	0.2710	0.2748	0.2829	0.4635	0.4757	0.4774
#> x5~~x5	0.4463	0.0676	100	0.2698	0.2910	0.3197	0.5729	0.6145	0.6327
#> x6~~x6	0.3562	0.0432	100	0.2738	0.2746	0.2851	0.4338	0.4444	0.4492
#> x7~~x7	0.7994	0.0726	100	0.6291	0.6371	0.6695	0.9432	0.9615	0.9665
#> x8~~x8	0.4877	0.0721	100	0.3226	0.3300	0.3524	0.6263	0.6535	0.6731
#> x9~~x9	0.5661	0.0631	100	0.4025	0.4216	0.4460	0.6720	0.7242	0.7472
#> visual~~visual	0.8093	0.1414	100	0.3927	0.3990	0.4943	1.0685	1.1171	1.1335
#> textual~~textual	0.9795	0.1193	100	0.6977	0.7031	0.7336	1.2030	1.2883	1.3296

```

#> speed~~speed      0.3837 0.0856 100 0.0937 0.1440 0.2180 0.5405 0.5700 0.5787
#> visual~~textual   0.4082 0.0686 100 0.2361 0.2388 0.2584 0.5318 0.5546 0.5683
#> visual~~speed     0.2622 0.0578 100 0.1306 0.1334 0.1438 0.3599 0.3768 0.3777
#> textual~~speed    0.1735 0.0519 100 0.0403 0.0448 0.0783 0.2792 0.3207 0.3343
#> Standardized Monte Carlo Confidence Intervals
#>           est      se    R 0.05%   0.5%   2.5% 97.5% 99.5% 99.95%
#> visual=~x2      0.4236 0.0631 100 0.2860 0.2923 0.3024 0.5321 0.5807 0.5860
#> visual=~x3      0.5811 0.0535 100 0.4205 0.4391 0.4812 0.6764 0.6827 0.6833
#> textual=~x5      0.8551 0.0261 100 0.7675 0.7824 0.8024 0.8967 0.9047 0.9061
#> textual=~x6      0.8380 0.0242 100 0.7820 0.7826 0.7859 0.8746 0.8827 0.8834
#> speed=~x8        0.7230 0.0501 100 0.5697 0.5770 0.5899 0.7982 0.8053 0.8095
#> speed=~x9        0.6650 0.0518 100 0.4828 0.5056 0.5485 0.7579 0.7758 0.7814
#> x1~~x1           0.4042 0.0785 100 0.2325 0.2404 0.2556 0.5597 0.6422 0.6594
#> x2~~x2           0.8206 0.0534 100 0.6566 0.6628 0.7169 0.9086 0.9145 0.9182
#> x3~~x3           0.6623 0.0613 100 0.5332 0.5340 0.5425 0.7684 0.8067 0.8231
#> x4~~x4           0.2748 0.0390 100 0.1699 0.1818 0.2152 0.3533 0.3628 0.3668
#> x5~~x5           0.2689 0.0442 100 0.1789 0.1815 0.1959 0.3561 0.3875 0.4108
#> x6~~x6           0.2977 0.0404 100 0.2195 0.2209 0.2350 0.3824 0.3875 0.3885
#> x7~~x7           0.6757 0.0612 100 0.5594 0.5656 0.5790 0.7959 0.8641 0.9082
#> x8~~x8           0.4772 0.0701 100 0.3448 0.3514 0.3628 0.6520 0.6670 0.6754
#> x9~~x9           0.5578 0.0672 100 0.3894 0.3981 0.4256 0.6992 0.7437 0.7668
#> visual~~visual   1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> textual~~textual 1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> speed~~speed     1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> visual~~textual  0.4585 0.0646 100 0.2964 0.3031 0.3292 0.5801 0.6216 0.6223
#> visual~~speed    0.4705 0.0848 100 0.2805 0.2911 0.3153 0.6302 0.6869 0.7262
#> textual~~speed   0.2830 0.0711 100 0.0747 0.0850 0.1661 0.4310 0.4387 0.4417
#> Monte Carlo Confidence Intervals
#> Standardized Monte Carlo Confidence Intervals

#> test-semmcci-npd

#> Test passed
#> Test passed
#> Test passed
#> Test passed
#> [[1]]
#> [[1]][[1]]
#> [[1]][[1]]$value
#> [[1]][[1]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[1]]$visible
#> [1] TRUE
#>
#>

```

```

#> [[1]][[2]]
#> [[1]][[2]]$value
#> [[1]][[2]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[2]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[3]]
#> [[1]][[3]]$value
#> [[1]][[3]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[3]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[4]]
#> [[1]][[4]]$value
#> [[1]][[4]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[4]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[5]]
#> [[1]][[5]]$value
#> [[1]][[5]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[5]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[6]]
#> [[1]][[6]]$value
#> [[1]][[6]]$value[[1]]
#> [1] TRUE
#>

```

```

#>
#> [[1]][[6]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[7]]
#> [[1]][[7]]$value
#> [[1]][[7]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[7]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[8]]
#> [[1]][[8]]$value
#> [[1]][[8]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[8]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[9]]
#> [[1]][[9]]$value
#> [[1]][[9]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[9]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[10]]
#> [[1]][[10]]$value
#> [[1]][[10]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[10]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[11]]

```

```
#> [[1]][[11]]$value
#> [[1]][[11]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[11]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[12]]
#> [[1]][[12]]$value
#> [[1]][[12]]$value[[1]]
#>
#> 2.5% 97.5%
#> visual=~x2 0.3023570 0.5320952
#> visual=~x3 0.4812098 0.6764096
#> textual=~x5 0.8024420 0.8967116
#> textual=~x6 0.7858819 0.8746271
#> speed=~x8 0.5898808 0.7982401
#> speed=~x9 0.5484744 0.7579135
#> x1~~x1 0.2556275 0.5597002
#> x2~~x2 0.7168732 0.9085796
#> x3~~x3 0.5424694 0.7684292
#> x4~~x4 0.2151761 0.3533157
#> x5~~x5 0.1959075 0.3560865
#> x6~~x6 0.2350268 0.3823830
#> x7~~x7 0.5789922 0.7959483
#> x8~~x8 0.3628066 0.6520323
#> x9~~x9 0.4255659 0.6991753
#> visual~~visual 1.0000000 1.0000000
#> textual~~textual 1.0000000 1.0000000
#> speed~~speed 1.0000000 1.0000000
#> visual~~textual 0.3291571 0.5800589
#> visual~~speed 0.3153372 0.6302122
#> textual~~speed 0.1661140 0.4310188
#>
#>
#> [[1]][[12]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[13]]
#> [[1]][[13]]$value
#> [[1]][[13]]$value[[1]]
#> [[1]][[13]]$value[[1]]$thetahatstar
#> y1 y2 y3
```

```

#> [1,] 0.1921451456 -0.1446237892 0.159340930
#> [2,] -2.1419724815 -3.6645106679 -4.704645991
#> [3,] -0.5347380074 -0.6236736500 -1.012920152
#> [4,] -0.0293436921 0.9691947702 0.501271534
#> [5,] -1.1006194533 -2.5648950948 -2.795859401
#> [6,] 1.3442379625 3.5817800541 3.663975290
#> [7,] 1.8639046649 2.3360065910 3.620636955
#> [8,] -1.8000876928 -3.0377296180 -3.930485392
#> [9,] 0.2258183471 0.1168294383 0.346426320
#> [10,] -1.3516920728 -1.7303218421 -2.645788623
#> [11,] 0.2162427739 -0.2295419149 0.142264176
#> [12,] -0.7469593181 -2.4071429404 -2.267306584
#> [13,] -2.8949798049 -5.0437385918 -6.409044518
#> [14,] -1.0354363634 -2.8944539739 -2.897468797
#> [15,] 1.3484676406 2.0349502798 2.810823850
#> [16,] 0.6036131466 0.7306560681 1.158176809
#> [17,] 1.0404173451 1.4220260118 2.086544108
#> [18,] 0.6933649097 1.7782419502 1.851461731
#> [19,] -1.1287025255 -1.7617686681 -2.385176877
#> [20,] -0.7100327826 -0.1808425218 -0.985756426
#> [21,] -2.0837644042 -2.5922654834 -4.037010521
#> [22,] -1.0677670069 -2.0625596134 -2.476117909
#> [23,] 0.2675596774 1.4675961312 1.148095868
#> [24,] -0.5535410041 -0.8789448114 -1.178031913
#> [25,] -2.0715999002 -2.4981871316 -3.969632087
#> [26,] 0.1229093535 -0.6432344970 -0.203702758
#> [27,] 0.5360131188 0.5987008958 1.000651357
#> [28,] 0.9615855430 2.3904031813 2.525651244
#> [29,] -0.9715423124 -2.0346529395 -2.340640642
#> [30,] -1.1510626277 -2.7159800327 -2.942606825
#> [31,] -0.2279341537 0.8135518451 0.167257972
#> [32,] -0.5234576793 -0.8077712259 -1.101020260
#> [33,] -0.7417169145 -1.2511494455 -1.619241423
#> [34,] 1.2023225124 1.8615320551 2.532344002
#> [35,] -1.9346375405 -2.9441281924 -4.046321436
#> [36,] 1.7588755721 2.6662664691 3.672948223
#> [37,] -0.5422697368 -0.7776948965 -1.107787409
#> [38,] -0.7663946117 -0.9498180691 -1.482787711
#> [39,] -0.8157457608 -0.4555114627 -1.270008116
#> [40,] -0.7207611835 0.5321526616 -0.603452048
#> [41,] -0.2189505551 -0.0465671912 -0.298869718
#> [42,] 1.2622348748 0.9447239068 2.098263359
#> [43,] 0.5447978137 0.4830481103 0.947423239
#> [44,] -0.0051424924 0.6266808426 0.341369047
#> [45,] 2.6785593952 4.6211592341 5.904658830

```

```

#> [46,] -0.7912193084 -0.0364883458 -1.006883844
#> [47,] -0.0973344501 -0.7449919484 -0.534813414
#> [48,] 0.5647568269 1.3850892344 1.472906779
#> [49,] -1.6671749713 -2.1095304830 -3.249634281
#> [50,] 1.2124302581 3.2224581515 3.300205159
#> [51,] 0.5085775557 -0.2684147651 0.485226882
#> [52,] -1.5508262905 -2.5197220639 -3.332189003
#> [53,] -1.2144291227 -2.1702830513 -2.718784574
#> [54,] -3.2373232931 -4.9186967103 -6.766546856
#> [55,] -1.0978638693 -1.7704296272 -2.351528172
#> [56,] 0.3146142261 -0.3937636752 0.173795169
#> [57,] 0.8055608232 2.2946987626 2.277979655
#> [58,] -1.8139097326 -3.1280404811 -3.997839942
#> [59,] 1.6204150850 1.5460385316 2.878611216
#> [60,] -0.0866755087 0.2683931557 0.040864373
#> [61,] 0.1170204322 -0.9556888610 -0.384445213
#> [62,] -0.0600643986 0.0654940053 -0.038552649
#> [63,] -0.3275578332 -0.0847377048 -0.455483815
#> [64,] -0.4488949944 -0.8981513931 -1.058199322
#> [65,] -0.1923970362 -0.2139995071 -0.358675947
#> [66,] 0.6945280869 0.8776892245 1.353143131
#> [67,] 1.7424453422 3.1258364794 3.907502176
#> [68,] -0.2565235383 0.4502714134 -0.069997838
#> [69,] -0.6780192490 -0.5470645500 -1.149074095
#> [70,] -0.2411994186 -0.2098107306 -0.417206927
#> [71,] -1.5399413306 -2.2738257041 -3.182153496
#> [72,] -1.8436069794 -2.4325554812 -3.648906747
#> [73,] 0.9744437809 1.5112631231 2.053799280
#> [74,] -0.9833136635 -1.8550509601 -2.255647698
#> [75,] 0.6792379175 1.2914892315 1.563718281
#> [76,] -1.1023879760 -3.1062047139 -3.098468887
#> [77,] -0.8902033177 -1.8794390855 -2.153075385
#> [78,] 0.7961189097 0.5220491168 1.282459445
#> [79,] 1.8632689300 4.0733965132 4.584022872
#> [80,] -2.1697295559 -2.6339167335 -4.167322012
#> [81,] 0.0224967593 0.3597221489 0.227683732
#> [82,] 0.7358009379 1.0814242394 1.517673938
#> [83,] 1.0950638714 0.6776625607 1.741596661
#> [84,] -1.8471958677 -3.2757053075 -4.121294870
#> [85,] -3.0904729715 -5.7086027951 -7.021792305
#> [86,] -0.9845743575 -0.5866005573 -1.553282892
#> [87,] 0.9122653921 0.4070904452 1.363494490
#> [88,] -1.9075582798 -1.5945291138 -3.263583166
#> [89,] -0.6313319584 -1.2641202675 -1.488791898
#> [90,] -1.1266796452 -1.0406422907 -1.982459439

```



```

#> [91,] -0.2485202858 -1.4638506615 -1.122275556
#> [92,] 0.0629960256 -0.1396847296 0.001035582
#> [93,] -2.1876192493 -4.0877704704 -4.996458049
#> [94,] 0.2521601739 0.0932710673 0.366200131
#> [95,] -1.4134427153 -2.5765351481 -3.192403370
#> [96,] -0.2861242710 0.0331581406 -0.338389750
#> [97,] -1.7219434998 -4.2729935443 -4.518560939
#> [98,] 1.7324450260 2.1356337647 3.345510937
#> [99,] -0.1108123793 -0.8498324896 -0.609802228
#> [100,] -1.1335448634 -2.3430935076 -2.713826121
#> [101,] 0.0575429379 -0.7973376224 -0.370734128
#> [102,] -0.2598315157 -0.3241158212 -0.503875311
#> [103,] -0.4453574579 0.6187849155 -0.211951945
#> [104,] -1.3128813614 -1.9943341416 -2.743908230
#> [105,] -2.1759442472 -3.2086743455 -4.494038016
#> [106,] 0.8683795162 1.3317361084 1.821909328
#> [107,] -0.9565903306 -0.6980426285 -1.580233065
#> [108,] -2.2353188117 -4.3722796417 -5.213829109
#> [109,] 1.0858964204 1.6168753820 2.251388830
#> [110,] -0.4420847805 -1.6317380108 -1.456816983
#> [111,] -0.0724831943 -1.0531367761 -0.674831883
#> [112,] -1.3803318512 -1.8864889717 -2.768168061
#> [113,] 1.1919932836 0.8647811354 1.966308636
#> [114,] -0.3396176463 -0.7851396556 -0.859215915
#> [115,] 1.1171802542 2.5617227233 2.814749848
#> [116,] -0.0185809787 1.0225633318 0.544309735
#> [117,] 0.6022410052 -0.4711474985 0.489515114
#> [118,] 1.8870252302 2.8121211602 3.913691480
#> [119,] -1.2448412486 -3.2101765448 -3.333805226
#> [120,] 0.0988946850 0.6118436575 0.462867268
#> [121,] 0.3795348553 0.0591613854 0.506104315
#> [122,] 0.1345871204 1.5284197486 1.016036363
#> [123,] -0.2303524451 0.1993560746 -0.176610526
#> [124,] 0.0769302349 0.4443401923 0.342520637
#> [125,] -0.0027204187 2.5676937269 1.421570208
#> [126,] 1.3464327488 3.2482076052 3.481593401
#> [127,] -0.7738517614 -1.8526489037 -1.993119938
#> [128,] -1.5503158707 -1.7338849500 -2.895445823
#> [129,] -0.5638534276 -0.7101145905 -1.097197590
#> [130,] -1.0638895495 -1.7970959079 -2.323961557
#> [131,] 1.5359748127 3.4236088135 3.815288815
#> [132,] 0.7729907279 1.4249379988 1.754684602
#> [133,] -0.0962064761 -0.4258800865 -0.356313131
#> [134,] 0.0916716712 0.7940541637 0.554979520
#> [135,] 0.6010262862 1.6370740092 1.657975054

```

```

#> [136,] 1.2831960630 2.0046070689 2.712592313
#> [137,] -0.1026048780 0.8526073399 0.345215187
#> [138,] 0.4070147210 -0.4980986787 0.231115143
#> [139,] 1.7464847634 2.0129105916 3.294911980
#> [140,] -0.6954570420 -1.4660842711 -1.680836135
#> [141,] 0.5919280019 1.0517692330 1.321810034
#> [142,] -1.8584256892 -2.2663952083 -3.575173381
#> [143,] 0.5418746019 2.7085713472 2.178850272
#> [144,] 0.4864915986 -0.4761925685 0.342378163
#> [145,] -2.1717545908 -2.5374031110 -4.116286170
#> [146,] 0.6922256766 -0.2577902723 0.720128492
#> [147,] -0.5751503448 -1.3158582545 -1.447446988
#> [148,] 0.9649715933 2.3527280135 2.508965439
#> [149,] -0.7881796384 -1.4979042638 -1.814118085
#> [150,] -0.7939888344 -0.3429534149 -1.180412669
#> [151,] -0.5766461169 -0.9627121374 -1.253330876
#> [152,] 0.1547423868 -0.3381398561 0.005307137
#> [153,] 1.2183118894 2.3251271096 2.809558275
#> [154,] 2.1456883183 3.3046912235 4.509594837
#> [155,] -1.0604167272 -1.5820536061 -2.200291544
#> [156,] -1.4237702758 -2.8814363040 -3.374489003
#> [157,] -0.7952905635 -1.7316547487 -1.952706996
#> [158,] 0.0573871069 -0.1335797672 -0.002570626
#> [159,] 0.7840141498 2.8725442518 2.571791446
#> [160,] 0.5834521819 0.3207314223 0.905545482
#> [161,] -0.2861662247 -0.5872544041 -0.682745053
#> [162,] -2.2329138888 -4.9284741161 -5.519494866
#> [163,] 0.4108520368 0.6256003710 0.859506123
#> [164,] -0.5877119161 -1.9558959280 -1.818305123
#> [165,] -0.1017451588 -0.5775513549 -0.447390959
#> [166,] 1.8248569142 1.6700903238 3.202389558
#> [167,] -0.3879748168 -1.2629875895 -1.184701917
#> [168,] 1.0051265472 1.3852369631 2.022120821
#> [169,] -0.7725635019 -1.8689940030 -2.000584350
#> [170,] -0.6717269971 -1.8556795154 -1.867454302
#> [171,] -0.0002758998 -0.5028415777 -0.279400064
#> [172,] -0.0201576298 0.0232920961 -0.012210015
#> [173,] -0.0271545158 -0.9238579771 -0.546563625
#> [174,] -1.3167162461 -2.0357757379 -2.771688604
#> [175,] -1.9762768678 -4.7050661963 -5.075491693
#> [176,] 1.3342498181 1.3543456349 2.415387433
#> [177,] 1.0138060880 1.4169938636 2.050567782
#> [178,] -1.8177621228 -4.1839361714 -4.588621694
#> [179,] 0.0698394386 -0.3300170380 -0.096057283
#> [180,] 0.3727532829 1.0992062267 1.074829175

```

```

#> [181,] -0.7255239951 -1.3284141857 -1.641927879
#> [182,] -2.1724014095 -4.4964829148 -5.204300008
#> [183,] -0.1341345405 1.4054524012 0.612704203
#> [184,] -0.8589221939 -0.5636168564 -1.383842215
#> [185,] -0.9218099773 -1.1175531624 -1.769673456
#> [186,] 0.5186004169 -0.2020275677 0.534567301
#> [187,] -1.7416012742 -2.3723741219 -3.488309578
#> [188,] -0.3378578707 -0.1161367927 -0.485752931
#> [189,] 0.8578468542 2.4530430659 2.431053728
#> [190,] -1.3305183912 -0.9104685516 -2.164401223
#> [191,] -0.6837181874 -2.1555900137 -2.048844842
#> [192,] -0.3733835058 -1.0439327311 -1.044940575
#> [193,] -0.5446862919 -1.3070770452 -1.404585732
#> [194,] -1.1416529906 -2.1980834525 -2.643462281
#> [195,] -0.2623017638 -0.5585180840 -0.637039102
#> [196,] 0.3478253135 0.1001696434 0.489321030
#> [197,] 1.9234313211 4.2090235581 4.734311478
#> [198,] -1.0048394252 -0.7776256914 -1.684563969
#> [199,] 0.7183489029 1.2280260365 1.577269466
#> [200,] -0.2269943699 -0.4124109835 -0.511928178
#> [201,] 0.4798102053 1.3003592804 1.319958497
#> [202,] 1.5986932503 2.7302814299 3.508729758
#> [203,] 2.6280039135 4.6350285289 5.849314053
#> [204,] -0.4782149610 0.3293509590 -0.413548310
#> [205,] -1.2186532407 -2.6056567658 -2.965666147
#> [206,] -0.0444667511 0.1131251211 0.007330574
#> [207,] -1.3359088982 -1.6115740607 -2.560207279
#> [208,] -2.0842202882 -3.6182004350 -4.606929944
#> [209,] 0.7394099475 1.7560140049 1.896543375
#> [210,] 0.2438010355 0.2462328066 0.440663817
#> [211,] 0.6199378853 1.1708045480 1.422797404
#> [212,] 0.0172188786 -0.0026296261 0.020012258
#> [213,] 0.7762321695 1.7800876136 1.955819780
#> [214,] 1.1537562536 1.8846153811 2.484593148
#> [215,] 0.4910819733 0.5472276814 0.916057656
#> [216,] -1.3839618936 -2.0135970360 -2.843234304
#> [217,] 0.2306619670 2.1387205103 1.474531108
#> [218,] 0.5307430369 1.0673862903 1.254180444
#> [219,] 0.6060255740 0.6572865225 1.120468031
#> [220,] 2.0248693192 1.8630906526 3.558908050
#> [221,] 1.0494759312 1.1914382130 1.969873406
#> [222,] 0.4935889186 2.3525063585 1.921037849
#> [223,] 1.7892302468 2.1056215588 3.399665431
#> [224,] 0.4212095940 -0.9854768929 -0.021658643
#> [225,] 0.6942267803 0.1280778455 0.936764477

```

```

#> [226,] 0.6253977938 0.7698284418 1.207080847
#> [227,] -1.8870009076 -2.6024583706 -3.797307080
#> [228,] 0.3683139987 1.1393188930 1.091554329
#> [229,] 0.4952448002 1.1023649373 1.229326551
#> [230,] 2.1229000826 3.1167626617 4.376885889
#> [231,] -1.1890667923 -1.5788052651 -2.358912858
#> [232,] -0.4371068160 -0.3621442607 -0.746038187
#> [233,] -0.3204609275 0.1051468277 -0.341256153
#> [234,] -0.7827761716 -1.0101911852 -1.536719733
#> [235,] -0.8348313806 -0.6896414141 -1.423739815
#> [236,] 1.3520882085 0.9869143303 2.233722552
#> [237,] -1.7389834780 -2.9199242182 -3.788912618
#> [238,] 0.5692913186 0.9865348783 1.257380216
#> [239,] 0.7314733192 1.5307813050 1.761651843
#> [240,] 1.2505365896 0.9416234979 2.081955239
#> [241,] 2.2517066988 3.1709460901 4.567574646
#> [242,] -0.8591717636 -0.9783932765 -1.614336971
#> [243,] 1.0397502059 0.5343873834 1.593109924
#> [244,] -0.6700520993 -0.9716342003 -1.374757602
#> [245,] 2.2463441158 2.8509899741 4.383325366
#> [246,] 0.4711391765 1.0494694511 1.169912550
#> [247,] -0.4042233646 -0.2618327527 -0.649364506
#> [248,] 0.9625137671 1.6967955042 2.141885499
#> [249,] -1.3087907581 -1.7117017648 -2.581958195
#> [250,] 2.6461021538 4.3074146807 5.690070221
#> [251,] 0.2637850560 0.6437016337 0.686162041
#> [252,] -0.2738559882 -0.4129038166 -0.570637162
#> [253,] 1.2304838872 2.3784437006 2.854324983
#> [254,] 1.2529932751 0.9257286920 2.076197723
#> [255,] 1.4728427376 1.6675913901 2.762048256
#> [256,] -0.1658146356 -0.3456189345 -0.398571507
#> [257,] -0.5135887365 -1.6697052750 -1.567051200
#> [258,] 1.1549779095 1.5939413731 2.324804623
#> [259,] -1.2553176488 -2.7093620418 -3.068938002
#> [260,] 0.6563508775 2.7619978328 2.351249315
#> [261,] -0.3772552862 -1.7711508390 -1.453344209
#> [262,] 0.1559633547 0.5511536778 0.500350338
#> [263,] -0.2395128563 -1.1263020099 -0.923718106
#> [264,] 1.3340386982 1.0411593328 2.241318886
#> [265,] -0.9233460549 -1.2518356618 -1.846110078
#> [266,] -1.0089105283 -0.6795454478 -1.635210123
#> [267,] -0.1737650609 -1.6223200578 -1.117001196
#> [268,] -0.2065536827 -1.0232066610 -0.825405087
#> [269,] 0.9513407804 2.5914053558 2.624424025
#> [270,] -0.3555370537 -0.2825019264 -0.600124196

```

```

#> [271,] -0.4058422308 -0.0770567139 -0.548840234
#> [272,] -0.0563049441 0.2130419655 0.048018254
#> [273,] -0.4607941982 -1.6057611223 -1.465731160
#> [274,] -0.5193765933 -2.0987039288 -1.812344831
#> [275,] -1.9636720118 -4.0842239555 -4.715232244
#> [276,] -1.3808738818 -0.9970399777 -2.275237010
#> [277,] 0.2676517637 1.1822244955 0.989841388
#> [278,] 0.0653825726 0.1495309833 0.164514170
#> [279,] -0.2509551464 0.0826999363 -0.267040947
#> [280,] -1.2629281244 -1.3833663011 -2.342555991
#> [281,] -1.0762970044 -2.2557248634 -2.593953269
#> [282,] -0.2573181491 -0.7108511184 -0.715363092
#> [283,] -0.0298067303 -0.3810121718 -0.248614188
#> [284,] 0.5329318648 0.2859990829 0.823272682
#> [285,] 2.1672379114 2.7687329273 4.239032325
#> [286,] -0.0793667752 0.4879316257 0.171812874
#> [287,] 0.0724433488 -0.0877130138 0.041658328
#> [288,] 0.2655467941 -0.5268777246 0.038736358
#> [289,] 0.0719647985 0.2809365386 0.245646653
#> [290,] 0.1170482231 0.5754670095 0.465316844
#> [291,] 0.9617034525 1.6298430199 2.103719228
#> [292,] 0.4529827248 1.8036408995 1.565805403
#> [293,] 1.7192026043 3.8161390044 4.261607956
#> [294,] -1.9422729737 -3.4724552328 -4.349042053
#> [295,] -0.4460073365 -0.9081322238 -1.060137414
#> [296,] 0.7259482456 1.5008392770 1.738145617
#> [297,] 0.6350360881 0.8114570485 1.242201737
#> [298,] -0.7732534653 -0.7694912849 -1.391266746
#> [299,] -0.4202266769 -1.0553197762 -1.109672387
#> [300,] 1.0214713259 2.8931306857 2.879320310
#> [301,] -0.4618904697 -0.9358474012 -1.095324121
#> [302,] 0.1416272584 0.6910162406 0.560091385
#> [303,] 0.8257472293 1.3840415955 1.797775091
#> [304,] 0.3350478567 0.3397684465 0.606355106
#> [305,] -0.5434611965 -0.1979217626 -0.787523319
#> [306,] -1.3581778804 -2.6655803610 -3.172905613
#> [307,] 1.8494679162 2.9035396142 3.917591690
#> [308,] 1.1265802905 1.6707852765 2.332038520
#> [309,] 2.4031677092 2.9895460600 4.655774015
#> [310,] 0.8686414802 0.6484731875 1.443053678
#> [311,] -0.8386423082 -1.7611146608 -2.023114756
#> [312,] -0.8600320205 -2.2556875423 -2.324254533
#> [313,] -0.9076915413 -3.1461167540 -2.877835916
#> [314,] -0.7388438463 -1.1234018743 -1.544764212
#> [315,] -1.0794643638 -1.0350920943 -1.920502820

```

```

#> [316,] 1.1774066920 2.5582416201 2.887919121
#> [317,] 0.4498369365 1.2867849192 1.275049240
#> [318,] -0.9236271418 -3.1635767212 -2.907396835
#> [319,] 0.9982546740 0.9770263994 1.787011963
#> [320,] -0.4954586802 -0.9561035879 -1.148424330
#> [321,] 0.3532681450 1.3541749857 1.192028592
#> [322,] 0.4086501798 0.7445587700 0.922777383
#> [323,] 1.2662141792 1.5185029585 2.421648821
#> [324,] 0.0266513927 0.8618947250 0.511549230
#> [325,] -0.6485128304 0.3394192502 -0.620318799
#> [326,] -0.0499582391 -0.7377019746 -0.471690615
#> [327,] -0.6440993214 -0.0851539616 -0.850435600
#> [328,] 0.3349505095 -0.3194118585 0.240416245
#> [329,] 0.3112825426 -0.0169978431 0.378729890
#> [330,] -1.6898327191 -1.8473278802 -3.132376564
#> [331,] -0.0631475121 -0.0425361791 -0.102349458
#> [332,] -0.4983375763 0.0690395158 -0.583102753
#> [333,] -2.0386998957 -2.2893574018 -3.812714695
#> [334,] 0.5473079930 1.5201545822 1.526104052
#> [335,] 0.8447421721 1.9388241859 2.129342508
#> [336,] -0.9600755015 -2.6314394170 -2.657533272
#> [337,] -2.7944708037 -5.0333419795 -6.277942158
#> [338,] -0.0863725289 -0.3062730697 -0.277673513
#> [339,] -1.4941956855 -2.1037078758 -3.030701337
#> [340,] 0.8155924533 1.5839637085 1.896060695
#> [341,] 0.4666457192 1.0255216077 1.151019250
#> [342,] -1.2489641642 -2.0935569023 -2.719269266
#> [343,] 1.3112874727 2.1050116688 2.803342077
#> [344,] 1.1415446570 1.8918302911 2.473369509
#> [345,] -2.8467151022 -2.7920193067 -5.099249489
#> [346,] 1.7957231258 3.1382965117 3.980853282
#> [347,] -0.9109214294 -1.7853235892 -2.126680287
#> [348,] -1.4954882621 -2.3556136652 -3.172110320
#> [349,] -1.2081170215 -3.0624600101 -3.206034372
#> [350,] -0.3042672209 -0.0052167360 -0.382310089
#> [351,] -0.2465995106 -0.6532638657 -0.670038655
#> [352,] -0.2575766410 -1.0894415444 -0.925787262
#> [353,] -0.4036322715 -0.8942728439 -0.999605197
#> [354,] -0.0653802515 0.0243934391 -0.067990503
#> [355,] 0.2951501301 1.4153427422 1.153502157
#> [356,] -0.0375155647 -0.8676769739 -0.528305537
#> [357,] -1.1994050534 -1.6008153611 -2.384019141
#> [358,] -0.0936317007 -0.8969382927 -0.614520021
#> [359,] 0.1039738841 -0.3710976032 -0.076290320
#> [360,] 0.1690317658 -0.2168627895 0.090429396

```

```

#> [361,] 1.4397226247 2.7859961107 3.341415946
#> [362,] -1.5513725267 -1.0933964043 -2.541319125
#> [363,] -0.1926770908 -0.8220593816 -0.696472941
#> [364,] -0.6304864626 -0.7962154262 -1.228069985
#> [365,] -0.5941127240 -0.2905115498 -0.902068196
#> [366,] -0.3985799572 0.1300991664 -0.424821487
#> [367,] -0.8633329872 -1.1427331727 -1.710727693
#> [368,] -1.0837118306 -1.6656575895 -2.275736774
#> [369,] 2.8722569350 4.4423249306 6.046950160
#> [370,] -0.6005499060 -1.3043131985 -1.472712700
#> [371,] -1.4031541815 -2.1354489910 -2.934789428
#> [372,] 0.5039952006 0.8035507075 1.074408735
#> [373,] -0.7126037969 -1.9831034770 -1.989141802
#> [374,] -1.8760971812 -2.9071778624 -3.952816916
#> [375,] -1.2661492855 -3.2382490355 -3.375954970
#> [376,] 1.4767120336 3.0964749092 3.559843718
#> [377,] 3.0656751780 5.6982171736 6.985106378
#> [378,] -0.1030810538 -0.3111899869 -0.301237385
#> [379,] -0.3320647992 -1.3229482587 -1.148258926
#> [380,] -0.0911672633 -1.4464775299 -0.916418186
#> [381,] -0.7415850182 -1.9660706187 -2.015828270
#> [382,] 1.0987508665 3.3742586600 3.242692203
#> [383,] 0.3367187643 1.2849085029 1.132951854
#> [384,] -0.8911425334 -1.5151363512 -1.952073803
#> [385,] 0.7561378155 1.8289998037 1.957906748
#> [386,] -1.3085546829 -2.0005275585 -2.741950037
#> [387,] -0.4061155858 -0.7810746615 -0.939881587
#> [388,] -2.5933017773 -4.0066572940 -5.457321470
#> [389,] -0.4104026456 -0.3276199539 -0.693579086
#> [390,] 0.1187541974 -0.2636493814 0.001769694
#> [391,] -1.4352591766 -0.1786063039 -1.888857940
#> [392,] 1.6799421502 2.9260533564 3.718690702
#> [393,] -1.3273792890 -1.7256403678 -2.612873055
#> [394,] -0.7063806698 -1.5143722279 -1.721255471
#> [395,] -2.3431971232 -3.6753659586 -4.961593247
#> [396,] -2.0232089308 -3.4227262000 -4.422370009
#> [397,] -0.0081629943 -0.5188067227 -0.298095097
#> [398,] -0.2388378628 -1.1407246924 -0.930880388
#> [399,] 0.7809762793 1.0531163151 1.558296954
#> [400,] -1.9833048252 -2.4713069620 -3.844612560
#> [401,] 0.1392386310 -0.4338639446 -0.067148591
#> [402,] 0.9641020291 2.4368020724 2.554538692
#> [403,] -0.6094088893 -3.0557812662 -2.455751119
#> [404,] -0.8805538381 -2.4286468554 -2.445829998
#> [405,] -0.6975565123 -2.1782104867 -2.078654366

```

```

#> [406,] -0.6187259430 -2.4707540234 -2.142703669
#> [407,] -0.8398832831 -1.4603262371 -1.857737244
#> [408,] -1.3307221635 -1.8299392097 -2.674923042
#> [409,] -0.3460207959 -0.3646858141 -0.633866233
#> [410,] -1.7459337734 -3.5739942954 -4.160561003
#> [411,] -0.2792978473 -1.0262150992 -0.917785134
#> [412,] -1.3266153167 -2.4140507373 -2.993959330
#> [413,] 0.7690011350 1.0968268131 1.567621690
#> [414,] 1.9413784013 2.7089115709 3.924191775
#> [415,] -0.6753255455 -0.7462325201 -1.256244986
#> [416,] 0.8995222162 1.3206592153 1.854596428
#> [417,] 2.3142288222 5.5818929615 5.983513031
#> [418,] -0.3542231605 -0.8580479445 -0.917889741
#> [419,] -0.5903680813 -1.8424272731 -1.758646954
#> [420,] -1.0065652441 -2.3228974468 -2.544277157
#> [421,] 1.0114129411 1.8849874933 2.307300447
#> [422,] 0.4960411136 0.3605926201 0.818666958
#> [423,] -1.5167492136 -4.0479485979 -4.137797326
#> [424,] -0.6572812356 -1.1276815185 -1.445432324
#> [425,] -0.2130626711 1.3806445695 0.500515126
#> [426,] -1.5297686575 -3.0758892996 -3.614580094
#> [427,] -0.1282588851 -0.7991838820 -0.603449808
#> [428,] 0.9678728445 1.3995118078 1.983588155
#> [429,] 1.3844137547 1.2755540649 2.434214816
#> [430,] -0.3466585621 -0.1786101630 -0.531397319
#> [431,] -0.9139774414 -1.7891160037 -2.132595703
#> [432,] -0.2868432064 -1.7769653227 -1.343828984
#> [433,] -0.9001486704 -1.0567383957 -1.708912599
#> [434,] 0.8797416768 2.1283805387 2.278182016
#> [435,] -0.7019698131 -0.9332814369 -1.393274162
#> [436,] -1.3079654146 -1.0719722420 -2.225905907
#> [437,] 1.7834052939 3.2504395989 4.027727915
#> [438,] -2.4430872579 -3.4781193137 -4.976690578
#> [439,] -1.1599997518 -0.7410135672 -1.857727536
#> [440,] -0.2781358606 -1.0622332869 -0.936324746
#> [441,] 0.0764716545 0.8522821695 0.568339514
#> [442,] 0.8339704693 0.5353474293 1.337039575
#> [443,] 1.0649888468 2.0924484057 2.489240629
#> [444,] 0.4306945784 0.6539842535 0.900001234
#> [445,] 0.1337562967 -1.0464289931 -0.413932905
#> [446,] 0.8640971654 1.2169972704 1.752894073
#> [447,] 0.4312139230 1.0856736467 1.140218386
#> [448,] 1.3931097222 2.8362168566 3.311161018
#> [449,] 0.9506644769 1.6436876316 2.097637030
#> [450,] -0.9825160095 -1.8140068450 -2.231875275

```



```

#> [451,] 1.9438540723 3.7196671223 4.488205899
#> [452,] -0.0615258141 0.0754682303 -0.034839727
#> [453,] 0.6086674754 1.0014419683 1.314754291
#> [454,] 0.0922139695 -0.2003054948 0.003827776
#> [455,] -1.3429985135 -1.6912089085 -2.613241891
#> [456,] 0.1566248000 0.8959570607 0.692526588
#> [457,] 0.2058165540 0.5995285032 0.589362263
#> [458,] 0.3202699221 0.9100325882 0.904400046
#> [459,] 0.5568808710 1.2341819402 1.379338392
#> [460,] -0.6521388208 -1.1886629140 -1.472861959
#> [461,] 0.4585278555 -0.4237589323 0.336606418
#> [462,] 0.2588506240 0.8412295076 0.789628605
#> [463,] -0.0036326276 0.5701233894 0.311864799
#> [464,] 0.3378205874 -0.4234170993 0.186276620
#> [465,] -1.6166850867 -2.5236561386 -3.416496825
#> [466,] 1.1772381515 3.2329510711 3.262144451
#> [467,] -0.5837033696 0.2745082817 -0.575525593
#> [468,] 0.5748631718 1.8984785255 1.770418747
#> [469,] -0.3987178132 0.1728633929 -0.401261035
#> [470,] -0.2664046951 -0.3862075829 -0.546530260
#> [471,] -1.3959129947 -1.3928945008 -2.513673163
#> [472,] 0.4135763540 0.4534062400 0.767342758
#> [473,] 0.6543987342 1.7863214017 1.807355463
#> [474,] -1.2612165182 -2.0695638556 -2.721232566
#> [475,] 1.6905946328 2.6693879465 3.589535574
#> [476,] -2.3766729445 -4.5945380852 -5.513438960
#> [477,] 1.2916201784 3.3051876775 3.444864798
#> [478,] -1.2362662729 -1.6597171258 -2.462672343
#> [479,] -1.8234146934 -3.2043755773 -4.052055217
#> [480,] 2.0235268358 3.6909816341 4.571636965
#> [481,] 1.3323578262 3.9018240398 3.826772015
#> [482,] -1.8092085214 -2.2884558973 -3.526043335
#> [483,] 0.8634071986 1.1960720756 1.740421091
#> [484,] -0.5088235353 -0.4017293819 -0.857435558
#> [485,] -5.1856649912 -8.1114862076 -10.967953710
#> [486,] 0.0699101306 0.4246593564 0.322844670
#> [487,] -0.5245734129 0.1842235969 -0.551895963
#> [488,] 1.8600993022 2.6646761162 3.798289571
#> [489,] -0.0690138993 -1.6153958179 -0.982535970
#> [490,] 1.8328311634 3.2196199290 4.072257340
#> [491,] -0.9107280766 -1.4815282582 -1.957845491
#> [492,] 1.8143543833 3.4078995662 4.153704487
#> [493,] 1.3715680337 2.3492988580 3.014079869
#> [494,] 0.8761118478 1.7964149253 2.089428676
#> [495,] -1.1516268496 -1.0847911901 -2.038068885

```

```

#> [496,] -1.4175043813 -3.0173604269 -3.442107758
#> [497,] -1.7407399790 -1.4918152876 -2.998562275
#> [498,] 1.5264223426 3.1976193211 3.677962373
#> [499,] 0.3068772744 0.7663211896 0.807945878
#> [500,] 0.6247840130 1.3361399169 1.520594633
#> [501,] 1.7649806470 2.5489400873 3.615449897
#> [502,] -0.3814696980 0.5169800482 -0.188782651
#> [503,] -1.1939558175 -1.1869177334 -2.147528200
#> [504,] -0.5165617459 -0.5743420466 -0.962877751
#> [505,] -1.4392729444 -3.4547415014 -3.711980896
#> [506,] -0.3584376155 0.5097729583 -0.164061747
#> [507,] 0.6555962910 0.5508785819 1.123229752
#> [508,] -0.2355140137 -0.3053387223 -0.463131379
#> [509,] 0.6443292741 0.7203025605 1.203203226
#> [510,] 0.0697093106 -0.7282889515 -0.317243788
#> [511,] 0.1455219226 0.6156391730 0.523116835
#> [512,] -0.1590074271 -0.2244472500 -0.322837845
#> [513,] 0.7018323351 1.8398241044 1.896195955
#> [514,] -0.7016290002 0.0996219323 -0.819631051
#> [515,] -1.3374000508 -2.7891120918 -3.215551022
#> [516,] 2.2385739142 4.0090665397 5.016320091
#> [517,] 0.7623304556 1.8707689035 1.988808946
#> [518,] 0.4370734408 -0.6163011732 0.203000318
#> [519,] 1.1027570786 1.9225017057 2.442023540
#> [520,] -0.9797962856 -1.9018860699 -2.277253125
#> [521,] -0.1156463145 0.7150130356 0.252593703
#> [522,] -0.2836669331 -1.2174482545 -1.029359689
#> [523,] -0.3495608758 0.1883857921 -0.331349055
#> [524,] 1.8552873951 4.0135283695 4.540845748
#> [525,] 1.6253400728 3.1952539766 3.799998098
#> [526,] 0.0762356213 -1.0544132664 -0.490090952
#> [527,] 0.0601422463 0.3904009485 0.291652336
#> [528,] -0.8769101076 -1.9826466081 -2.193774877
#> [529,] -1.2730193321 -1.5523332957 -2.448909128
#> [530,] 2.0639763090 3.3979606990 4.459462282
#> [531,] 0.4558365307 -0.0890003080 0.519027412
#> [532,] -0.5014173107 -1.2459026259 -1.316680953
#> [533,] -0.8008375078 -1.4148764457 -1.783825228
#> [534,] -0.6133447458 -1.7743152930 -1.749499089
#> [535,] -0.7027872591 -0.9264659008 -1.390511164
#> [536,] -2.2570822356 -3.7945434387 -4.920348251
#> [537,] 1.3921520733 3.0851191732 3.448097214
#> [538,] 1.5746017474 2.6004096541 3.406614747
#> [539,] 1.1019658226 2.1121125731 2.546262953
#> [540,] -1.0841898285 -1.9949798009 -2.459092867

```

```

#> [541,] -1.5695052218 -4.2834435747 -4.334272845
#> [542,] -0.1861227451 0.1417717415 -0.153413886
#> [543,] 0.8017354761 2.2075443903 2.224842498
#> [544,] 0.8007670315 2.7329898641 2.515235106
#> [545,] -1.4433224399 -1.1395825125 -2.432214227
#> [546,] -0.7359922057 -0.1480882545 -0.999950050
#> [547,] 0.1260320680 -1.2233586019 -0.521753386
#> [548,] 2.6121728054 4.0732091314 5.517786741
#> [549,] 2.5515497869 3.8857166215 5.338140580
#> [550,] -0.7059254156 -0.0331551606 -0.898674321
#> [551,] -2.0890993965 -4.2552974481 -4.966576261
#> [552,] -0.2408063477 0.4147239421 -0.070126180
#> [553,] -0.8972053470 -0.9720156035 -1.658224732
#> [554,] -0.2414754561 -0.4350005854 -0.542522081
#> [555,] 1.7711052046 2.7466142905 3.732788002
#> [556,] -1.4251256780 -2.3760318576 -3.095700855
#> [557,] -1.4972084938 -2.4499707640 -3.226619653
#> [558,] -2.0519391671 -3.2149528838 -4.342890537
#> [559,] 1.5039838048 2.8998151703 3.484713139
#> [560,] 0.2706213503 2.4664581119 1.706240291
#> [561,] -2.8605205611 -4.2837623012 -5.944319521
#> [562,] 1.9941757051 3.7249827067 4.553905875
#> [563,] 1.0033536072 0.2119193113 1.368767829
#> [564,] -0.9979445671 -1.1385705630 -1.876275514
#> [565,] -0.5649918087 -0.2738282502 -0.856496476
#> [566,] -0.4127994961 -0.4748657508 -0.778283162
#> [567,] 0.2957414851 2.4240106928 1.714008046
#> [568,] -0.8154105139 -1.8019622738 -2.016813897
#> [569,] 2.0426155840 2.3442734856 3.848073606
#> [570,] 1.0410495263 0.5446563799 1.600429013
#> [571,] 0.0556281049 0.6866000983 0.450401420
#> [572,] 1.0326381358 1.7189253972 2.241610321
#> [573,] -0.7544700554 -2.0348571530 -2.070069295
#> [574,] 0.3348899764 -0.3125902893 0.244126447
#> [575,] -0.6142290934 -1.7530931173 -1.738824433
#> [576,] -0.4863127165 0.1332672785 -0.532464279
#> [577,] 0.0306582663 1.3252367074 0.773681120
#> [578,] -0.7968475197 -1.7056032424 -1.940190994
#> [579,] -2.1694766085 -4.1068328425 -4.984413365
#> [580,] -1.2207156576 -1.0071050010 -2.081108637
#> [581,] -0.7810966754 -2.0352370117 -2.103482953
#> [582,] 0.2145700026 -0.1867832065 0.163907557
#> [583,] -1.6846321908 -2.0719650424 -3.250555831
#> [584,] -0.1389986704 -0.3127584189 -0.346896335
#> [585,] -0.3740779633 -0.7633027094 -0.890068636

```

```

#> [586,] -0.3780945640 -0.3759726540 -0.680125291
#> [587,]  0.8204057237  0.6596854263  1.389126996
#> [588,] -0.9720916183 -0.9741676141 -1.752800660
#> [589,]  1.6601906629  2.9591108910  3.712406548
#> [590,]  0.0925254625  0.7873020293  0.552297028
#> [591,]  1.2149839582  2.5889946255  2.951843836
#> [592,]  1.7585945281  2.5500830695  3.608120845
#> [593,] -0.2585369564 -0.7839931172 -0.757473667
#> [594,]  1.4969798105  2.9176872954  3.485897582
#> [595,] -0.1888400956  0.4854168169  0.033906262
#> [596,]  0.3391504230  0.5517810153  0.729129022
#> [597,]  1.4465815209  3.2876053641  3.628340984
#> [598,]  1.7723848998  3.6376566594  4.228874965
#> [599,] -0.8548332707 -0.5231315035 -1.356275735
#> [600,] -0.7946496306 -0.3782661441 -1.200833754
#> [601,] -0.0336936025  1.3252020981  0.693416446
#> [602,]  0.6162898547  1.3763372545  1.532310431
#> [603,]  1.2060185584  3.4315778575  3.408262582
#> [604,]  1.6626345627  1.1068967414  2.687552736
#> [605,]  1.6983800077  2.9990658835  3.782201230
#> [606,] -1.7847559019 -2.4472949175 -3.583700423
#> [607,]  2.3728617272  3.4117871699  4.852309211
#> [608,]  1.5780368325  2.9958465601  3.630349155
#> [609,] -0.6477461282 -1.0312697594 -1.380037750
#> [610,]  1.6795500978  3.5078965639  4.041100440
#> [611,] -1.3215887934 -2.0167851618 -2.767225596
#> [612,] -0.5421719064 -0.0061259099 -0.679476932
#> [613,] -1.6597686501 -2.8364240686 -3.643794257
#> [614,] -0.1878117250  0.4946340337  0.040303789
#> [615,] -0.2705970179 -0.6752083763 -0.712141341
#> [616,] -0.2008746505 -1.5777530253 -1.126073464
#> [617,] -0.1611192147 -0.6108308987 -0.539897949
#> [618,] -0.2171489087 -0.5166897855 -0.557521458
#> [619,] -0.1001136944 -1.0111158645 -0.685966706
#> [620,]  0.6286218935  0.9439709663  1.307743044
#> [621,] -0.0704151968  1.0257339095  0.481433060
#> [622,] -1.6443391582 -3.6128954747 -4.055463116
#> [623,] -0.5923380785 -0.4774952807 -1.003623391
#> [624,] -0.8666706945 -1.1604496652 -1.724721658
#> [625,]  0.2874215581  0.9514738817  0.886436989
#> [626,] -1.2156906225 -1.8293968473 -2.531180068
#> [627,] -0.9924702361 -1.0417174732 -1.815699725
#> [628,]  0.4047504090  0.1713613569  0.599813883
#> [629,] -0.1581744036 -0.7743801643 -0.626988825
#> [630,]  0.6644935605  1.4013657665  1.606309245

```

```

#> [631,] -1.1935167448 -1.5852927622 -2.368062148
#> [632,] 0.6295609987 0.8412718386 1.251920373
#> [633,] -0.6495426480 -1.3334773662 -1.549990542
#> [634,] -1.5938358212 -3.2318695587 -3.781033054
#> [635,] -2.0045880010 -4.1056229794 -4.778129211
#> [636,] 0.9113280569 1.7750411447 2.121481017
#> [637,] 0.7936322745 1.1956647320 1.653187125
#> [638,] -0.7906771394 -0.7121590482 -1.381176721
#> [639,] 1.0262945307 0.8082272639 1.728300640
#> [640,] 0.9203739474 1.1022025214 1.759363793
#> [641,] -1.7513343148 -4.5952633591 -4.734056940
#> [642,] -2.5178160481 -3.4235977263 -5.039618657
#> [643,] -0.3625208274 -1.9370410953 -1.527032786
#> [644,] -1.7109759897 -2.5361005122 -3.540981765
#> [645,] 0.5085535752 1.5474628577 1.492933033
#> [646,] -0.0980639339 0.0149822247 -0.113969218
#> [647,] -1.5406010508 -1.1903009064 -2.581665255
#> [648,] -1.3451656762 -2.5603497804 -3.098281093
#> [649,] 0.9300011373 1.8691161815 2.196973674
#> [650,] 1.7370022619 2.3910850518 3.492958486
#> [651,] -2.7620407316 -4.7889046015 -6.101850009
#> [652,] -2.2426189995 -5.1536655510 -5.656568759
#> [653,] -1.8645741545 -2.6928972774 -3.819531183
#> [654,] -0.7935096324 -2.1477232768 -2.181386825
#> [655,] 2.0571640843 2.1668266602 3.767739730
#> [656,] -1.3036260514 -2.8174858482 -3.189181781
#> [657,] 0.4026380398 0.5738039172 0.820518573
#> [658,] -0.1581541520 -0.2561204846 -0.339351148
#> [659,] 2.8040972231 5.3933527890 6.489737034
#> [660,] -1.3431813000 -2.4916034751 -3.057655296
#> [661,] -0.5284091352 -0.1072655443 -0.718443300
#> [662,] 1.8827351334 1.2927486324 3.065153677
#> [663,] 0.0670732448 0.1575993408 0.171100004
#> [664,] 1.3026948439 2.8743430675 3.219573960
#> [665,] 0.4395595720 1.3844881073 1.316454755
#> [666,] -0.5743768376 -1.7244629448 -1.673240936
#> [667,] -0.4780837792 -0.6346859609 -0.948384857
#> [668,] -0.4206789431 -1.8469478467 -1.549556789
#> [669,] 0.7407283990 0.3614797787 1.124279348
#> [670,] -1.9396454577 -4.1526616310 -4.723251666
#> [671,] 1.2773834895 2.1397897780 2.780364896
#> [672,] -1.2781570066 -1.6335389227 -2.500381427
#> [673,] -0.5165222155 -1.1765882353 -1.297049877
#> [674,] 0.4531795873 1.2332986153 1.249534798
#> [675,] -1.0745718698 -1.0494508319 -1.922370478

```

```

#> [676,] -2.3443664669 -5.1538054607 -5.783523419
#> [677,] 0.0779061097 1.5908501477 0.980002556
#> [678,] 2.0217729531 1.5810465788 3.398524292
#> [679,] 1.0542453283 2.1828949340 2.526037717
#> [680,] -0.1124664796 -0.2066881153 -0.254946656
#> [681,] 1.5163911404 0.9281035064 2.405967412
#> [682,] 1.3924950455 1.9744368334 2.832142697
#> [683,] 0.7608342904 1.4943892229 1.778068294
#> [684,] -1.3688355702 -1.5922862491 -2.590562239
#> [685,] -0.5640058823 -0.3865541453 -0.917825198
#> [686,] 3.0426587026 5.3032146741 6.737195453
#> [687,] 0.2328615282 0.1186612081 0.356225579
#> [688,] 0.0959345235 1.1634902483 0.765316769
#> [689,] 0.6211953576 0.7266935685 1.177902446
#> [690,] 0.8310684262 1.7744243187 2.021056582
#> [691,] -1.5649060828 -2.7021520903 -3.450987244
#> [692,] 1.2001852173 1.7985080067 2.494703131
#> [693,] -0.3034251398 0.1002226632 -0.322745579
#> [694,] -1.4020836776 -1.8754338753 -2.789157029
#> [695,] -0.4396186120 -1.0557691786 -1.134103134
#> [696,] 0.4345554199 -0.5185486832 0.254108937
#> [697,] 1.4607081927 1.9381161031 2.897046616
#> [698,] 1.4232498249 4.0868475976 4.042792812
#> [699,] 0.4866818941 1.9019618943 1.662391616
#> [700,] -0.7114098826 -1.9175551669 -1.951276447
#> [701,] 0.3303032432 1.2876268130 1.126460378
#> [702,] 0.6701865762 -0.1439044055 0.755848071
#> [703,] -0.1311387525 0.1743548614 -0.066767701
#> [704,] -1.3181337309 -2.4572804164 -3.007373627
#> [705,] 0.9565917387 1.1388743675 1.824877979
#> [706,] 0.6630723504 1.3348590046 1.567628557
#> [707,] -0.9208233300 -2.0074240489 -2.262284212
#> [708,] 0.2570746298 0.3937936680 0.539105818
#> [709,] -0.9134031483 -1.1325425341 -1.767508785
#> [710,] -0.3937540812 -0.3331756045 -0.675901819
#> [711,] -2.3641305909 -3.6194504448 -4.956666085
#> [712,] -0.7548389653 -1.4281161125 -1.733813444
#> [713,] 0.5888478413 1.1106352912 1.350637334
#> [714,] 0.0543183735 0.6404187407 0.423139492
#> [715,] -1.0751943262 -1.8177197043 -2.349503727
#> [716,] -0.0715255280 -0.6171913211 -0.431706217
#> [717,] 1.9311969849 3.2831270988 4.230161333
#> [718,] -0.0046544845 -0.4683505881 -0.265719015
#> [719,] -1.0538982458 -1.9196679899 -2.379524979
#> [720,] 1.2967574277 1.8405289312 2.638446561

```

```

#> [721,] -1.2671547568 -1.0894477124 -2.184714004
#> [722,] 1.0312109717 2.1666187139 2.488281723
#> [723,] -0.3784315448 -0.4968037583 -0.747601704
#> [724,] -0.5748835200 -1.0462627069 -1.297500021
#> [725,] 1.6101543892 4.0943296066 4.280011193
#> [726,] 0.5210675793 -0.1135822640 0.586727242
#> [727,] 0.2538598365 -0.2599557557 0.172293478
#> [728,] 1.3273435402 2.2721070933 2.916094630
#> [729,] 0.3999485366 -0.0087463535 0.493873808
#> [730,] -0.0591673203 0.0008403553 -0.073314080
#> [731,] 1.3063827816 1.8217707265 2.640039163
#> [732,] -0.3676382580 -1.3076521343 -1.184129595
#> [733,] 1.0775158709 1.2081117960 2.014091779
#> [734,] 1.2392273113 2.3896091586 2.871424217
#> [735,] -1.2009334988 -2.0462311258 -2.633112182
#> [736,] 0.5838525536 -0.0930504076 0.676413146
#> [737,] -1.9319748862 -2.4882281521 -3.789995725
#> [738,] 1.6706834675 2.4782479302 3.458632050
#> [739,] 0.1084830787 -0.4472983474 -0.112955669
#> [740,] -0.1909381348 1.0272660828 0.331993707
#> [741,] 1.7250048118 3.2884112413 3.975976377
#> [742,] -0.4318947122 -1.9169926386 -1.602414551
#> [743,] -0.4686138693 -0.9190571173 -1.094390158
#> [744,] -0.4249294298 -0.4948866819 -0.804519721
#> [745,] 0.1527190944 0.8290762027 0.650540177
#> [746,] -1.4460257448 -2.3201911194 -3.090773540
#> [747,] 0.4652746562 0.3447057644 0.771485274
#> [748,] 0.9593314716 1.5177134896 2.038534222
#> [749,] -0.1533634635 -0.7174881177 -0.589416976
#> [750,] 0.6572588915 1.4487643426 1.623591985
#> [751,] 2.7993464814 5.3837772205 6.478498916
#> [752,] -0.5323828174 -0.2635159010 -0.810110807
#> [753,] 0.3542278067 0.3078455800 0.612556258
#> [754,] -0.4483689788 -1.6407707167 -1.469666024
#> [755,] -0.6457132352 -1.0099427859 -1.365667196
#> [756,] -0.0337440440 -0.7854517949 -0.477970996
#> [757,] 0.4025477627 0.7201737808 0.901635146
#> [758,] 0.7405791511 1.6676756007 1.848977233
#> [759,] -0.5881142942 -1.5219116562 -1.577963779
#> [760,] -2.3045766125 -3.1480789600 -4.620812050
#> [761,] 0.7878172659 2.0155610473 2.100944056
#> [762,] -1.0786711760 -2.8103776406 -2.904722881
#> [763,] -1.9108388151 -3.9003071662 -4.547284208
#> [764,] -1.6874487861 -3.1719922666 -3.864537122
#> [765,] 0.4027996783 0.9018015276 1.002745074

```

```

#> [766,] -0.0742625805 -0.3080346230 -0.263550242
#> [767,] 1.1657332166 3.8015738229 3.563359852
#> [768,] 0.1136096872 0.7322695245 0.548047890
#> [769,] 0.3984081653 1.2680413391 1.200516709
#> [770,] -0.9687631510 -1.7781454422 -2.194824163
#> [771,] 1.0175023648 1.3050377685 1.993046018
#> [772,] 0.3712147251 1.7315465734 1.423833043
#> [773,] -0.2142003024 -0.0335629031 -0.285729414
#> [774,] 0.7958783753 1.9935838528 2.098799672
#> [775,] 1.8985456116 3.3879359342 4.247610252
#> [776,] -0.4787511206 -0.8745965701 -1.082357362
#> [777,] 1.6358240280 3.7481094372 4.119883010
#> [778,] 0.0593832855 1.0410472108 0.651787361
#> [779,] -1.2585015068 -2.2627353021 -2.825049067
#> [780,] -0.1943893970 -1.0707621578 -0.836627780
#> [781,] -0.7930908857 -0.9706282250 -1.527626185
#> [782,] 1.4977745082 1.5071390306 2.704093324
#> [783,] 1.3454692176 2.5982939699 3.119717040
#> [784,] -1.1678915912 -1.3209752902 -2.189422973
#> [785,] 1.1879381300 2.6245321839 2.937840097
#> [786,] -1.4831627664 -2.6247159931 -3.306081203
#> [787,] -0.3985685639 -0.7147059057 -0.893638724
#> [788,] 0.1404003737 -0.3376073839 -0.012281561
#> [789,] -0.2533625725 -0.7301545090 -0.721143143
#> [790,] 1.2888360914 2.6186465225 3.060391501
#> [791,] -0.2060809853 -1.3635309760 -1.013681389
#> [792,] -0.9512508742 -2.2732454066 -2.447746463
#> [793,] 0.9800666461 1.9758489004 2.318636533
#> [794,] 0.0262883542 0.5584810602 0.342714647
#> [795,] 1.2006207170 1.3688487350 2.256803283
#> [796,] -0.0053654319 -0.3165734099 -0.182375572
#> [797,] 0.6509415606 0.6611940503 1.178645864
#> [798,] -1.0809088885 -1.9532622738 -2.431850120
#> [799,] 1.7097315282 1.8456571699 3.156262799
#> [800,] 0.0855982194 0.2336538861 0.236407358
#> [801,] 0.0131446582 -0.1546897355 -0.069455206
#> [802,] 1.7713409808 3.8988928865 4.372548388
#> [803,] 0.1708065412 0.6425024532 0.569554234
#> [804,] 1.0374830388 1.8052963522 2.295584080
#> [805,] 0.6050351660 1.4868238205 1.579591482
#> [806,] -0.4738969222 -1.8075477449 -1.594053116
#> [807,] -0.7733957116 -1.7364597469 -1.928071136
#> [808,] 1.6430492125 2.2541204929 3.299791354
#> [809,] -0.3392311147 0.7488659865 -0.007425012
#> [810,] 1.4098275378 3.5724307549 3.740575683

```



```

#> [811,] -1.3907026292 -1.0953009595 -2.342023988
#> [812,] 0.7488544541 0.9454063623 1.458467179
#> [813,] -0.7115808930 -2.4379439548 -2.240283683
#> [814,] 0.8904812126 3.1454361828 2.855997298
#> [815,] -1.3590363604 -2.6127965284 -3.144683303
#> [816,] 0.9347358556 0.8866975360 1.657676555
#> [817,] 1.1502700644 1.2614863594 2.134435423
#> [818,] 0.7863382581 0.5195897145 1.268898307
#> [819,] 1.2448330052 2.1050372746 2.720488921
#> [820,] 2.2024917698 4.6483809215 5.326119108
#> [821,] 0.1328196500 -0.2063867364 0.051087397
#> [822,] -2.0680088428 -3.5340784508 -4.540030423
#> [823,] -0.4208801158 0.2060397568 -0.410485481
#> [824,] -0.2950215207 -0.5255476197 -0.659542744
#> [825,] -1.9360857976 -3.3231556847 -4.258471772
#> [826,] 0.1731146848 0.6382675586 0.570082253
#> [827,] 1.3176035374 1.3233465473 2.377426665
#> [828,] -0.8617698351 -0.0688046649 -1.112793116
#> [829,] 0.1366970873 0.0154911972 0.179055446
#> [830,] 1.0483626641 -0.2572144262 1.164543622
#> [831,] -0.1032652689 -0.6627204245 -0.496551773
#> [832,] 0.6739885054 0.1274045524 0.911154112
#> [833,] 0.8269200877 1.6147284037 1.927259142
#> [834,] 1.9434007854 3.3408545969 4.277415568
#> [835,] 1.0529010494 1.9443659389 2.391987823
#> [836,] 0.6379130550 1.5879805383 1.676727282
#> [837,] 0.3033013898 -1.3105975813 -0.349116139
#> [838,] -0.0847043396 0.9210711057 0.405531317
#> [839,] 0.5909780284 1.7958481005 1.733558055
#> [840,] 1.3436839743 2.7928106473 3.225439490
#> [841,] -0.0015127498 -0.1196080758 -0.068263842
#> [842,] -0.8113804098 -2.8150025370 -2.573983372
#> [843,] 1.0586111291 1.2869023913 2.034243434
#> [844,] -1.4439197083 -2.1903794786 -3.016107330
#> [845,] 0.4818630534 1.5644937097 1.469101906
#> [846,] -2.9197083394 -4.8129568594 -6.311806296
#> [847,] 0.5179400218 0.7212229856 1.046109204
#> [848,] -0.8924350541 -2.1148103982 -2.286479538
#> [849,] -0.6072487468 -0.8417139804 -1.224342820
#> [850,] -0.4701940921 1.1019475113 0.025212290
#> [851,] 0.7907516267 2.6514499212 2.457494846
#> [852,] -0.3897870153 -0.4198822790 -0.719073543
#> [853,] -1.0846181274 -2.0787491942 -2.506115453
#> [854,] 0.4217487371 -0.1014349532 0.469619921
#> [855,] 0.2773581104 0.4223601417 0.580252102

```

```

#> [856,] -1.8167681317 -4.0647821307 -4.521256703
#> [857,] 1.1071672510 1.3833704954 2.148327686
#> [858,] 0.5061820275 0.3631103011 0.832709678
#> [859,] 0.8170346788 0.9677857804 1.555906169
#> [860,] -2.1135629967 -3.5433876988 -4.602001767
#> [861,] -1.1935149401 -1.8294721055 -2.503569209
#> [862,] -0.2489201688 -0.8579711085 -0.786536417
#> [863,] 0.0666221555 1.0565521847 0.669418696
#> [864,] -1.0469736375 -2.7753552400 -2.845760731
#> [865,] -0.6636658397 -1.7422693383 -1.794464303
#> [866,] -0.3696874343 -0.8316153143 -0.922504372
#> [867,] 0.0498447694 0.3563743645 0.259928262
#> [868,] -0.0541866113 -0.6818164750 -0.445949197
#> [869,] 1.8986349504 3.6641190330 4.400991712
#> [870,] 2.9052751396 4.9628794157 6.377009133
#> [871,] -0.8328782344 -1.0192121898 -1.604202264
#> [872,] -1.7424550272 -2.6496930219 -3.643274569
#> [873,] 0.7840446827 1.0947822407 1.585246035
#> [874,] -1.6057573977 -3.1792306256 -3.766686613
#> [875,] -0.6188267469 -1.5937198640 -1.656112130
#> [876,] -1.6552205617 -2.8166274634 -3.627136596
#> [877,] -1.6447509400 -2.7946695261 -3.601895455
#> [878,] 0.6572544285 0.1578237537 0.907168442
#> [879,] -0.6044410142 -1.0048296402 -1.311363997
#> [880,] -0.0488953985 -0.4846110059 -0.329910383
#> [881,] 0.7981934319 1.9662710992 2.086529066
#> [882,] -0.7641498287 -0.0546122578 -0.983186767
#> [883,] 0.6528086056 0.5806354275 1.136267369
#> [884,] -1.0591790887 -1.6366511461 -2.229047583
#> [885,] -0.3675235835 -1.0053072159 -1.016197827
#> [886,] 0.0820706577 -0.4362268080 -0.139747178
#> [887,] -1.6421076161 -2.6557127192 -3.521484074
#> [888,] -0.7756536413 -0.6842081717 -1.346931159
#> [889,] -1.7181191344 -3.3060295417 -3.977167496
#> [890,] 2.4389041880 4.7877368471 5.698257275
#> [891,] -0.9860107140 -1.3664192376 -1.987840717
#> [892,] 1.7389797188 2.9005978217 3.778182590
#> [893,] -0.6134638882 -1.0181544170 -1.330010030
#> [894,] 1.2560314425 1.5092988599 2.403843266
#> [895,] -0.0701442580 0.4564118651 0.165821017
#> [896,] -0.3247191218 -0.4549079866 -0.657373008
#> [897,] -1.0416392107 -3.3876680576 -3.178916788
#> [898,] -0.3544929594 0.4096153820 -0.214726103
#> [899,] -1.7642592123 -2.1409328859 -3.388123369
#> [900,] -0.9388269310 -1.2376356287 -1.857533991

```

```

#> [901,] 0.9467523422 1.9253602121 2.249075167
#> [902,] 0.6611242525 0.8456064412 1.293684629
#> [903,] 3.0606404454 6.6601226418 7.512645430
#> [904,] 1.0062592391 1.0785758923 1.853349210
#> [905,] -0.1762178415 -0.7870207955 -0.656503645
#> [906,] 0.0898756047 0.1192316776 0.178241635
#> [907,] 0.8660791581 1.8448996612 2.103825115
#> [908,] 0.5834029752 1.5229515538 1.572665960
#> [909,] -0.2037472718 -0.3165477817 -0.429739458
#> [910,] 0.3894888361 -0.7299162268 0.080611689
#> [911,] 2.4847469781 4.3061220387 5.488146245
#> [912,] 1.0703734376 1.7670319655 2.315362604
#> [913,] -0.4500013532 0.8030328921 -0.115492875
#> [914,] -0.8229874543 -1.9143742596 -2.088646133
#> [915,] 2.1225898279 4.2609501843 5.011475178
#> [916,] 0.0739005541 0.1534494566 0.177310507
#> [917,] 1.3983988489 2.6183708978 3.196861065
#> [918,] -1.0271320288 -1.3932130912 -2.053987625
#> [919,] 0.7662328081 0.5528561738 1.262288713
#> [920,] 0.7256544839 0.4224622150 1.139325182
#> [921,] 0.8774029425 1.7256498254 2.051766977
#> [922,] 1.4056660447 3.4809701948 3.684629605
#> [923,] 1.2307474782 2.7867751959 3.081260560
#> [924,] 0.9736868676 0.3076269651 1.384887750
#> [925,] -0.8929976550 -0.6858826049 -1.494185991
#> [926,] -0.3793407455 -0.7200087678 -0.872604893
#> [927,] -2.1207806393 -3.2929981441 -4.472046300
#> [928,] -0.5612902058 -0.1960521189 -0.808718156
#> [929,] 0.6990683416 0.7952659462 1.313063268
#> [930,] -0.4935341536 -1.2184634607 -1.291623229
#> [931,] 0.3551236131 0.6899677618 0.825735123
#> [932,] -1.1614448905 -3.0709001542 -3.152519103
#> [933,] 0.0005522100 -0.2461986559 -0.135941352
#> [934,] -2.5297940578 -4.7756583836 -5.804892048
#> [935,] 2.8819025290 4.0519192590 5.842319217
#> [936,] 1.7750855263 2.0730931623 3.363975355
#> [937,] -1.3773116856 -0.7969063315 -2.159729229
#> [938,] -0.8918739617 -0.9759229996 -1.653745044
#> [939,] 0.2489388377 -0.2780613312 0.156109256
#> [940,] 2.6423433196 3.8364255660 5.424003792
#> [941,] 0.8791841884 1.7873966228 2.088255042
#> [942,] -0.7286151514 -2.6596932038 -2.384586605
#> [943,] -0.8990190679 -2.2576000310 -2.373931937
#> [944,] 0.6715876126 0.9825404674 1.382724878
#> [945,] 0.4769985738 0.8208886552 1.050366327

```

```

#> [946,] 1.9196361266 2.8836619575 3.994058750
#> [947,] -0.2142751492 0.6262200665 0.080329178
#> [948,] -0.5247113252 -0.7042121231 -1.045112565
#> [949,] -1.0082863396 -0.7582402226 -1.678104078
#> [950,] -2.4021572069 -3.7439693490 -5.073187278
#> [951,] -1.5506040280 -2.8302797594 -3.504258365
#> [952,] -0.6449533115 -2.0596142769 -1.947243317
#> [953,] 1.2120888813 2.6526201592 2.983543242
#> [954,] 0.0946015420 -0.2654934394 -0.029371550
#> [955,] -0.9534452220 -1.4179518923 -1.975830679
#> [956,] 1.1783995689 1.4272667534 2.261513519
#> [957,] 1.2345536019 1.8983134776 2.592947663
#> [958,] 1.6782605259 3.1065649306 3.816770117
#> [959,] -0.2548867444 0.3956389730 -0.098275506
#> [960,] 1.1823691524 1.9032741798 2.530627701
#> [961,] 1.2172310289 1.4700277937 2.333666145
#> [962,] 0.0536182897 1.6645830085 0.990634791
#> [963,] -0.2731701119 0.4875596622 -0.070062359
#> [964,] -0.4543811517 -0.4924438496 -0.839889747
#> [965,] 1.4371333051 1.0821335433 2.392614729
#> [966,] 0.0711169273 0.4909896341 0.361160048
#> [967,] -1.1920079438 -1.8837508730 -2.531812459
#> [968,] -0.6641434059 -1.1716870358 -1.478410530
#> [969,] -2.6104869548 -5.2658178428 -6.177532422
#> [970,] 0.7280132586 1.8810251759 1.951707903
#> [971,] -0.1237900058 -0.2052697480 -0.268279728
#> [972,] -0.1999113819 0.4637024576 0.008050034
#> [973,] -1.7769815234 -4.3418021637 -4.625378134
#> [974,] 0.8425077968 0.7470769476 1.465186466
#> [975,] 0.9093702549 1.3116556176 1.861880112
#> [976,] -0.9892414338 -1.8158327584 -2.241275047
#> [977,] -1.3822181199 -2.3149460535 -3.008295941
#> [978,] -1.1449746739 -1.8450026817 -2.451659307
#> [979,] 1.2409900376 1.7185286234 2.501200700
#> [980,] 0.2314749490 0.8641130605 0.768191110
#> [981,] -2.6043089012 -4.9550953820 -5.997390559
#> [982,] 2.2592924192 3.4540701686 4.734155895
#> [983,] -1.7244882996 -3.9955897301 -4.367786750
#> [984,] -0.7879457243 -1.7569659182 -1.957594771
#> [985,] 0.6809764210 1.2363373613 1.535279180
#> [986,] 0.1633410090 0.7639952444 0.627668280
#> [987,] 1.0658453897 2.0175151823 2.448723919
#> [988,] 0.2334477512 0.9467010849 0.816484050
#> [989,] -0.1011806441 -1.2032478870 -0.793922399
#> [990,] -0.6608766647 -1.3740240040 -1.586625516

```

```

#> [991,] 2.2344608978 3.8560314230 4.926263161
#> [992,] 0.7856241212 0.2250125933 1.104529824
#> [993,] 0.8014228430 0.0945411983 1.051824346
#> [994,] 0.6776299181 1.5733549584 1.718136816
#> [995,] -0.9073079597 -1.5940858134 -2.016045405
#> [996,] -1.0465774414 -2.4254784957 -2.651099738
#> [997,] -0.7927160976 -1.0572751058 -1.575244223
#> [998,] 1.1523442522 1.5663854308 2.306228112
#> [999,] 0.1016389238 -0.3219063550 -0.051902885
#> [1000,] -1.1247604602 -0.5246777118 -1.693727516
#> [1001,] -0.4969965184 -0.7867301827 -1.056346834
#> [1002,] 1.0561979465 2.9208611015 2.938012918
#> [1003,] 0.5896369409 0.1880483266 0.839624187
#> [1004,] 1.0392304795 1.0700990294 1.889759370
#> [1005,] -0.0130575609 -0.1311190061 -0.089048071
#> [1006,] 0.1541507330 -0.0931808978 0.140511323
#> [1007,] 0.7655954633 2.1248689839 2.133895250
#> [1008,] -2.6395610602 -4.5314290198 -5.806232189
#> [1009,] -1.6275816562 -2.7302302008 -3.544724581
#> [1010,] -1.3654459684 -2.6060894865 -3.148953826
#> [1011,] 1.5755947978 3.0270584442 3.644625277
#> [1012,] -0.8497580921 -2.3078209583 -2.340375017
#> [1013,] 0.4336081317 0.9930545025 1.091804168
#> [1014,] 0.2157658131 -0.5443300221 -0.033024804
#> [1015,] 2.8659395139 5.0775948169 6.391620654
#> [1016,] 0.2285369349 0.7395214694 0.695384350
#> [1017,] -0.5141545038 -1.0941726649 -1.248360198
#> [1018,] 2.2458175073 4.1759988053 5.117993122
#> [1019,] -0.0444214601 0.1548475728 0.030541265
#> [1020,] 0.2492841452 1.3290914561 1.048442356
#> [1021,] -2.3664403066 -3.2791945700 -4.770718489
#> [1022,] -0.1203372869 0.5965035799 0.180976370
#> [1023,] 0.4058012875 0.7915021655 0.945276492
#> [1024,] 0.0147007657 -1.0492232835 -0.563943439
#> [1025,] 1.0235949153 1.9773370794 2.373741274
#> [1026,] -0.3701755493 -0.8516094392 -0.934208943
#> [1027,] -0.3998410016 -0.5073089861 -0.780128821
#> [1028,] 2.3376911244 3.7867569637 5.016544723
#> [1029,] 0.3871853997 0.4402898309 0.727154718
#> [1030,] 0.8148906927 0.8935545525 1.512037438
#> [1031,] 0.4481253629 0.9925999893 1.109654623
#> [1032,] 1.0548049588 0.9013195425 1.815514879
#> [1033,] -1.6575834057 -2.3927583558 -3.394853406
#> [1034,] 0.9048556777 0.9352115410 1.647339824
#> [1035,] -0.6288527685 -1.2881733655 -1.499048861

```

```

#> [1036,] -0.9275311248 -2.6465117663 -2.625315621
#> [1037,]  0.5788962646  1.5042752404  1.556681612
#> [1038,] -0.0506842920  0.6927007689  0.321217646
#> [1039,]  2.2327093869  4.2511477385  5.143352075
#> [1040,] -0.0349442290 -1.0092178360 -0.603648386
#> [1041,]  1.3588350598  1.6630349103  2.617354352
#> [1042,] -1.0496124172 -1.6285515230 -2.212623187
#> [1043,] -0.0779359884 -0.9278338603 -0.612093534
#> [1044,] -0.4205198204 -1.3544084774 -1.276019638
#> [1045,] -1.0682240349 -1.5934176369 -2.216333659
#> [1046,] -0.1176564892  0.4907274501  0.125617947
#> [1047,] -0.2669982623 -0.3060932769 -0.502810340
#> [1048,] -0.4453426259 -1.3805963667 -1.321506352
#> [1049,]  0.4030250075  0.4455500880  0.749825609
#> [1050,]  0.9991171184  0.6302351457  1.595632788
#> [1051,] -1.1447448427 -1.4021339355 -2.205599100
#> [1052,]  0.1115465907 -0.2327502667  0.009929670
#> [1053,] -0.7419525696 -1.5910650224 -1.808174194
#> [1054,] -0.1742383659 -1.0562826193 -0.803464318
#> [1055,]  0.4406588434  0.9737898428  1.089905182
#> [1056,]  0.3632005492 -0.0667480731  0.415861291
#> [1057,] -0.5317424327 -0.5133373706 -0.947952716
#> [1058,] -0.0012734150  0.3164974549  0.174054914
#> [1059,]  0.8613197982  0.7238829876  1.475772971
#> [1060,]  1.9023468012  3.0942794328  4.089383195
#> [1061,] -0.9736893910 -1.6986576958 -2.156854713
#> [1062,]  1.1316943077  1.5127463535  2.250710610
#> [1063,]  0.7767379971  0.4731831579  1.231173281
#> [1064,]  0.4171433352  0.6150014333  0.861469277
#> [1065,] -0.6904878209 -0.5547658239 -1.168896035
#> [1066,]  0.0920008817  0.1998885387  0.225652993
#> [1067,] -0.0011951017  1.2515328694  0.693058076
#> [1068,]  0.2580141536  2.2558031928  1.573614713
#> [1069,] -0.8616338471 -1.3963791447 -1.849371795
#> [1070,]  0.0685075142 -0.4127972257 -0.143657704
#> [1071,] -2.5286815496 -5.2229669726 -6.051742312
#> [1072,]  1.9529198189  4.3371306541  4.842177108
#> [1073,] -1.8892887804 -3.0705427333 -4.059927234
#> [1074,]  0.3922485832  2.3367957004  1.785949760
#> [1075,]  0.2204266814  0.6181412405  0.617910084
#> [1076,] -0.6474073800 -1.6278561984 -1.710695833
#> [1077,] -0.4643619493 -1.5693616962 -1.449979915
#> [1078,] -0.4703771752 -0.3626659911 -0.787815184
#> [1079,]  0.9140342363  0.1744608809  1.236600534
#> [1080,]  0.6414271275  1.3129042379  1.528453429

```

```

#> [1081,] -2.8255508749 -5.8687808263 -6.780331955
#> [1082,] 3.7914719173 5.4043098604 7.727053854
#> [1083,] -0.2475243432 -0.9636969320 -0.843469257
#> [1084,] -0.5938825181 -0.6761971811 -1.115820512
#> [1085,] -0.3213373703 0.6363843531 -0.047534475
#> [1086,] -0.3603832731 -0.0940967109 -0.501610326
#> [1087,] -0.7998743992 -0.3523991379 -1.192993829
#> [1088,] -0.3934718570 -0.5965386369 -0.821705348
#> [1089,] -0.5862117636 -0.7955623150 -1.172497889
#> [1090,] -1.5798428119 -4.3664974782 -4.393255048
#> [1091,] 1.5274501185 2.3489351055 3.208259782
#> [1092,] 0.1808179104 0.0643774742 0.261203049
#> [1093,] 0.2529722576 0.7973543751 0.757949540
#> [1094,] 0.0268570440 -0.5319909716 -0.261742530
#> [1095,] -0.5892977813 0.9033708530 -0.233509313
#> [1096,] 1.2843355591 2.1608657277 2.800730254
#> [1097,] 0.0187096481 1.2222051091 0.701603214
#> [1098,] -0.6377280952 -0.0621493650 -0.829724223
#> [1099,] 0.3307258891 -0.1807912590 0.312076859
#> [1100,] -0.8520006314 -0.9743219529 -1.603135301
#> [1101,] -0.8951742075 -1.3190120091 -1.848260419
#> [1102,] 0.4404092843 1.1256669937 1.173879447
#> [1103,] 0.9688644937 1.7644056769 2.187325541
#> [1104,] 0.9338700967 0.2824158138 1.321245916
#> [1105,] 0.4342222641 0.2973658412 0.706491899
#> [1106,] 1.3290653227 2.7726704030 3.196033337
#> [1107,] 1.4552308303 2.9174655046 3.433714371
#> [1108,] 1.4354844716 1.9708732553 2.883771998
#> [1109,] -1.5634112337 -1.5933308803 -2.833773850
#> [1110,] -0.6727504188 -1.4254300425 -1.629960044
#> [1111,] -0.7463597906 -2.1128494466 -2.103238418
#> [1112,] 0.1959807596 1.1635578128 0.890109880
#> [1113,] 1.0700401666 2.0938899491 2.496339518
#> [1114,] -0.1858746688 -0.4082455501 -0.458341109
#> [1115,] -1.8589039972 -1.7563515168 -3.292716927
#> [1116,] 0.4929727010 0.1973700322 0.724259008
#> [1117,] -0.2872884432 -0.7899452460 -0.796629367
#> [1118,] -0.7199685928 0.0043803917 -0.895355217
#> [1119,] -1.2869842251 -1.3640649862 -2.361842036
#> [1120,] 0.2819275186 0.6351435544 0.704035946
#> [1121,] -0.3951537540 -0.4711237055 -0.754202603
#> [1122,] 0.3871848011 1.3232188364 1.217142604
#> [1123,] -0.9273477912 -0.6384553066 -1.510699746
#> [1124,] 1.1056518880 1.1485863082 2.016142665
#> [1125,] -0.0762854703 -0.2799508900 -0.250487448

```

```

#> [1126,] -1.0128717554 -2.8861093198 -2.864700257
#> [1127,] -0.0820402453 0.5490370821 0.202390081
#> [1128,] -2.4434052157 -4.2437393770 -5.401974145
#> [1129,] 0.4663520559 0.4666741242 0.840516102
#> [1130,] -0.4908849282 -1.1650888592 -1.258699030
#> [1131,] 1.5249406392 2.4592594543 3.266355907
#> [1132,] 0.1777403597 0.1996848312 0.332455324
#> [1133,] 1.3953749588 2.8591100601 3.326690492
#> [1134,] 0.7164973888 1.6327101017 1.799543378
#> [1135,] 1.4128700720 2.3760607733 3.080434411
#> [1136,] 1.7561396849 3.5804625028 4.176877151
#> [1137,] 0.4478015983 0.5687159876 0.874013022
#> [1138,] 1.5514706817 4.2532658546 4.295036770
#> [1139,] 0.1402531715 0.8149594174 0.627161200
#> [1140,] -1.1221997284 -2.0568619306 -2.540832428
#> [1141,] -0.3860807267 -0.1136801378 -0.544522508
#> [1142,] 1.1163457952 1.8852094112 2.438272731
#> [1143,] 1.5291339210 1.3721006427 2.668257221
#> [1144,] -0.4503561237 -1.9855331241 -1.663472654
#> [1145,] 1.9298666505 4.0358353192 4.646223981
#> [1146,] 0.0640503426 0.1501275840 0.163183994
#> [1147,] 1.6142484259 3.1180358235 3.743314199
#> [1148,] -0.3033718758 0.0316536515 -0.360732090
#> [1149,] 1.8490675105 3.2239979364 4.094933344
#> [1150,] -0.3649064164 -0.7152276492 -0.851952259
#> [1151,] 1.1213654421 2.3735453571 2.715538132
#> [1152,] -0.5977621161 -0.6186207994 -1.088705810
#> [1153,] -1.3210417778 -2.5041509228 -3.037011071
#> [1154,] 1.6205675086 3.2387880063 3.818206372
#> [1155,] 0.5035365318 2.2351923789 1.868337972
#> [1156,] 1.2459997975 2.3866198081 2.878210404
#> [1157,] -0.2617953507 -0.2784589724 -0.480986534
#> [1158,] -1.1373110625 -1.8566076856 -2.448543231
#> [1159,] -0.2591577859 -0.2168148906 -0.443487660
#> [1160,] -3.8542137512 -6.3078497465 -8.306718449
#> [1161,] -0.0954069185 0.4595896721 0.136082545
#> [1162,] -0.5651103082 0.1921507716 -0.598045395
#> [1163,] 0.3509135822 0.0689354702 0.475838379
#> [1164,] -0.9854199577 -0.8478525880 -1.699321277
#> [1165,] 0.1165143158 0.3411473870 0.334613492
#> [1166,] -0.3181734260 1.2378601844 0.290204803
#> [1167,] 0.4492399733 1.0947948881 1.167758410
#> [1168,] 0.9482728318 1.4581980286 1.991715734
#> [1169,] -1.7336394243 -2.3556498369 -3.469100036
#> [1170,] -0.8269396344 -1.0485995106 -1.613105683

```



```

#> [1171,] -1.3155647951 -2.9621314919 -3.284341427
#> [1172,]  0.3704938811  1.2318736708  1.145636624
#> [1173,] -0.1093401585 -0.8528346883 -0.609632493
#> [1174,] -0.1885415581 -1.0249106100 -0.803889955
#> [1175,]  2.0078080989  3.0077588544  4.172875983
#> [1176,] -1.0088348101 -2.0515053899 -2.396496031
#> [1177,]  0.1278696334 -0.3428309305 -0.030805988
#> [1178,] -0.5531632547 -0.9763704244 -1.231628003
#> [1179,] -0.3354509254 -1.7392111309 -1.383489822
#> [1180,] -0.0797858818 -0.5122965441 -0.383794501
#> [1181,]  1.5420104607  2.9513129217  3.560710699
#> [1182,] -0.4355396461 -1.7248841549 -1.500347544
#> [1183,] -0.7434654349 -1.4109301212 -1.710093378
#> [1184,]  0.3536293265  0.1863012803  0.544357968
#> [1185,] -1.1384138287 -1.1091022340 -2.035084129
#> [1186,]  0.0726994072 -0.2422858100 -0.043803803
#> [1187,]  2.0849226430  3.0191835314  4.275376464
#> [1188,] -0.7062167736 -1.2473197605 -1.572848157
#> [1189,]  0.0171681335 -1.1216909426 -0.601083198
#> [1190,] -1.4184828577 -1.9101724073 -2.828884903
#> [1191,]  1.4631528795  2.2500060207  3.073180936
#> [1192,]  0.9423806703  1.3019293912  1.897645778
#> [1193,]  1.6637892530  2.3889925373  3.400502099
#> [1194,]  1.2598424601  0.9108219481  2.076465899
#> [1195,] -0.6911717997 -1.3070680456 -1.587245178
#> [1196,] -0.7818922712 -1.8931903177 -2.025645077
#> [1197,]  0.3903646544  0.4841113796  0.755438309
#> [1198,]  0.2346045735  1.8624011423  1.326101777
#> [1199,]  1.0990870493  2.3511892255  2.675350714
#> [1200,] -2.2546779730 -3.3653218347 -4.679150164
#> [1201,] -1.2371144759 -1.7530625605 -2.515532843
#> [1202,]  1.0031959586  2.4720003966  2.622821621
#> [1203,] -0.1970095991 -0.2526087889 -0.385854253
#> [1204,]  0.2762339794  0.4365518692  0.586726148
#> [1205,] -0.2524376181  0.2435104315 -0.179646467
#> [1206,] -0.3087677189 -0.8463456801 -0.854713466
#> [1207,] -2.1462422327 -4.6899393406 -5.279040265
#> [1208,] -1.3933230797 -1.8785282917 -2.779950014
#> [1209,] -0.3651151041 -0.8808463336 -0.944123924
#> [1210,]  1.1435335234  1.7129591197  2.376583573
#> [1211,] -1.9900226663 -2.8342254557 -4.054394141
#> [1212,] -0.8285900161 -1.0974416875 -1.642269039
#> [1213,] -0.4070305836 -0.5311893524 -0.802346687
#> [1214,]  0.3590566549  0.7367353795  0.856593615
#> [1215,]  1.7674110076  2.7966643118  3.755957080

```

```

#> [1216,] -1.0638553004 -1.7346668458 -2.289273333
#> [1217,]  0.1754469500  0.2725350704  0.370024322
#> [1218,] -1.3774346194 -2.0932306709 -2.879288259
#> [1219,] -1.1005311445 -2.2741839576 -2.634416772
#> [1220,] -0.1978756714  0.4732462521  0.015884930
#> [1221,]  0.9291086457  0.3367225061  1.345446424
#> [1222,] -2.0650194198 -2.2372584185 -3.816621851
#> [1223,] -0.7835392676 -1.0771409620 -1.574825622
#> [1224,] -0.5919208243 -0.0042126459 -0.740451037
#> [1225,] -1.2162506047 -2.8572654283 -3.102302382
#> [1226,] -2.2606159714 -3.8350622906 -4.947241013
#> [1227,]  1.3064561541  3.1516796187  3.378174411
#> [1228,] -0.6926116307 -0.3766777092 -1.072712935
#> [1229,] -1.1688866548 -2.1416404568 -2.646098605
#> [1230,]  0.3188472245  1.7887600155  1.390282903
#> [1231,]  0.4415243297  1.2044421098  1.218986777
#> [1232,]  1.5803140781  2.4974602727  3.356605311
#> [1233,]  0.6674643318 -0.6011908556  0.498678654
#> [1234,]  0.5922260587  1.4261351938  1.529939139
#> [1235,]  1.2383629248  2.4409214044  2.898822492
#> [1236,] -1.3505214927 -4.1458558392 -3.984849168
#> [1237,]  1.5104361398  2.1877659068  3.097601540
#> [1238,]  0.3560684542 -0.6235572436  0.097961937
#> [1239,] -0.3791570120  0.1651488378 -0.381150370
#> [1240,] -0.6246179536 -1.0952675017 -1.386713455
#> [1241,]  1.3103223592  2.1076635585  2.803610288
#> [1242,] -0.3824535095 -0.6073564651 -0.813969135
#> [1243,] -2.8046421306 -4.3446051102 -5.908405469
#> [1244,] -1.7152116983 -2.8746670615 -3.734153867
#> [1245,]  0.1827310805  2.2098321778  1.454226268
#> [1246,]  0.2326608000  0.6624273065  0.657742693
#> [1247,] -0.0157168169 -0.9906756894 -0.569382080
#> [1248,] -0.6800366296 -1.5783989380 -1.723937133
#> [1249,] -0.4221136045 -0.8635057321 -1.005576583
#> [1250,]  0.0662915167  0.5866194692  0.408213414
#> [1251,] -1.1525158856 -1.2090920704 -2.108159279
#> [1252,]  0.7796906467  0.8768339742  1.458864478
#> [1253,]  0.3831475180 -0.8929742930 -0.017786205
#> [1254,] -0.4767442583 -0.5080247465 -0.876422831
#> [1255,] -0.2440049726  0.0710739974 -0.264826131
#> [1256,] -0.9412153252 -1.6976071233 -2.115777191
#> [1257,]  0.7263203541  1.5944748639  1.790573459
#> [1258,]  0.7941297027  1.0535704412  1.574951026
#> [1259,] -0.4066649551 -0.3555173306 -0.704400138
#> [1260,]  0.9053792638  0.4135006203  1.358465007

```

```

#> [1261,] -0.8518230148 -1.0033684718 -1.619033418
#> [1262,]  1.6100753035  2.1444433712  3.197807352
#> [1263,]  0.4383673328  0.4788858398  0.812396714
#> [1264,]  1.9702453525  3.8817515023  4.611065332
#> [1265,] -1.9155829161 -3.9272545408 -4.568154670
#> [1266,] -0.2459327413 -0.6602930664 -0.673108119
#> [1267,]  0.1496102703 -0.8396441297 -0.279406382
#> [1268,]  0.5297556210  0.7103700362  1.054820083
#> [1269,]  0.4994177287  0.2693966151  0.772267564
#> [1270,]  1.9371453036  3.6180909714  4.423469690
#> [1271,] -0.0940091835  0.3825766224  0.095086473
#> [1272,]  0.6461287478  0.3852297773  1.019495768
#> [1273,] -0.5309610573 -0.7938394212 -1.102645251
#> [1274,]  0.5909557593  1.2197817698  1.413837591
#> [1275,] -0.6286946249 -0.3511868474 -0.978863371
#> [1276,] -0.1997676841 -0.6185989038 -0.592402720
#> [1277,] -1.7754141405 -3.4091434790 -4.105837118
#> [1278,] -0.5453859562 -0.9990492364 -1.234515662
#> [1279,] -1.0411326561 -1.9844846502 -2.399577082
#> [1280,] -0.8187631853 -0.9622857854 -1.555009314
#> [1281,]  0.8010962639  1.4513284361  1.804377220
#> [1282,]  0.8348634687  0.7978156038  1.483811975
#> [1283,] -0.0348664980  0.6908317186  0.339904868
#> [1284,]  1.4336917841  2.3519117139  3.092996944
#> [1285,] -1.6495023202 -1.3787831454 -2.822062668
#> [1286,]  0.6116436399 -0.5376513027  0.464333181
#> [1287,] -0.2366100900  0.0889349355 -0.245692791
#> [1288,] -0.7906532512  0.1531144310 -0.900956379
#> [1289,] -1.2805205615 -2.4985973763 -2.983399955
#> [1290,]  0.4714100338  0.5387730316  0.886835172
#> [1291,]  1.0973003209  2.0144229875  2.486231538
#> [1292,] -0.3517949053 -1.5588083222 -1.303754426
#> [1293,]  1.4959533968  1.8382415862  2.885570491
#> [1294,]  0.1950867961  0.3231785281  0.422619808
#> [1295,]  0.1209004205 -0.3901324909 -0.065746840
#> [1296,]  2.2986979531  2.7143884893  4.372801428
#> [1297,] -0.2055889230  0.4112303077 -0.028149590
#> [1298,] -0.9913173665 -2.5036130775 -2.625552974
#> [1299,] -0.8333355037 -1.0453683056 -1.619288018
#> [1300,] -0.4739885620 -1.3420369447 -1.335828385
#> [1301,]  0.0846338708  0.0940441673  0.157727286
#> [1302,] -0.4374631875 -0.9390443052 -1.066637946
#> [1303,]  0.5891448930  0.8467206552  1.204546178
#> [1304,] -1.5460941825 -2.9414889446 -3.560351121
#> [1305,]  0.3585075769  0.1920040343  0.553605836

```

```

#> [1306,] -1.7287651637 -3.6344846144 -4.172721691
#> [1307,]  2.2543888778  3.9730376665  5.016046512
#> [1308,]  0.6891125423  0.7089923507  1.252770355
#> [1309,] -0.0983203592 -0.7707199442 -0.550320783
#> [1310,] -2.3021723880 -3.8024266464 -4.980949601
#> [1311,]  1.5641085865  1.1247547907  2.574603323
#> [1312,] -0.5644725747 -0.1288042302 -0.775366743
#> [1313,]  0.7145743000  1.4171209352  1.677502365
#> [1314,]  0.6933556532  1.5501577873  1.724873028
#> [1315,] -1.5730921436 -1.4966179452 -2.792174117
#> [1316,]  0.5615856395 -0.3490735222  0.506564648
#> [1317,]  1.1595587557  2.4294978151  2.794215687
#> [1318,] -0.3381910830 -0.0974792916 -0.475814308
#> [1319,] -0.8980546657 -0.2694075846 -1.269365781
#> [1320,]  1.1090953731  1.0227102258  1.950580665
#> [1321,]  0.1274729320  0.8418649297  0.626155935
#> [1322,] -1.3263875923 -2.9556379427 -3.294233586
#> [1323,]  0.2099057920  0.3947586983  0.480822791
#> [1324,]  3.2992307380  4.8308841566  6.795011886
#> [1325,] -1.3751366831 -1.0605625495 -2.303335208
#> [1326,]  0.6158983915  1.4322657299  1.562860246
#> [1327,] -0.3047165328  0.1876754053 -0.275823309
#> [1328,] -0.3595746895 -1.4874205505 -1.273838434
#> [1329,]  2.7540145395  4.3559130108  5.851549307
#> [1330,] -2.0934321805 -3.1521866634 -4.359798854
#> [1331,] -1.7199599544 -4.4018952308 -4.587622537
#> [1332,]  1.0817227907  1.5231647501  2.194178921
#> [1333,] -1.3211422128 -1.6019922822 -2.536476038
#> [1334,] -3.1780956098 -5.2705792517 -6.887971221
#> [1335,]  1.3272110917  1.9452831548  2.734555867
#> [1336,] -0.6611518464 -1.8548279468 -1.853794720
#> [1337,]  0.7263468833  2.4346192844  2.256851519
#> [1338,]  0.4802959175  1.4537564780  1.405693192
#> [1339,]  0.0870744236  1.1279244615  0.734530883
#> [1340,] -0.1007755946  0.7236057852  0.275905804
#> [1341,] -1.4733148851 -3.3448283702 -3.693433316
#> [1342,] -1.3074948248 -2.2622741377 -2.885886808
#> [1343,] -1.0038286078 -2.3173054997 -2.537761331
#> [1344,] -0.8983149877 -0.4092174992 -1.347279046
#> [1345,] -1.3628724914 -1.4383912744 -2.497721134
#> [1346,]  0.6092299663 -0.1616883683  0.669967067
#> [1347,]  0.5847184203  1.0038447077  1.286223728
#> [1348,]  1.2911749507  1.5345208674  2.461663663
#> [1349,]  0.8948031509  1.9851097640  2.217454085
#> [1350,] -0.9229764804 -1.8440634614 -2.174310860

```

```

#> [1351,] 0.5226673763 1.0048076164 1.209381716
#> [1352,] 1.4406493892 2.2223334336 3.029762416
#> [1353,] -1.4478297757 -3.6457985343 -3.828679744
#> [1354,] -1.8927104403 -2.9939294525 -4.021676811
#> [1355,] -1.0206225190 -2.6394761958 -2.737494244
#> [1356,] 0.3228381953 -0.1114931282 0.340698627
#> [1357,] 1.7573120181 3.3856324539 4.070216506
#> [1358,] -1.2756803827 -1.5519209536 -2.451998572
#> [1359,] 0.1849504387 -0.7278471197 -0.173295253
#> [1360,] 0.4249475829 1.6311943843 1.435145557
#> [1361,] -0.1830812661 0.0022505553 -0.227049641
#> [1362,] 0.0447959703 1.1893666589 0.715908361
#> [1363,] -1.0972989002 -2.1332057037 -2.552149200
#> [1364,] 1.3070265575 2.8571915682 3.215457154
#> [1365,] -1.3520223632 -2.4657163239 -3.054313636
#> [1366,] 0.1313005240 1.0475403807 0.745070128
#> [1367,] -0.2855678778 -1.8269870791 -1.369998656
#> [1368,] 0.7357006614 1.5955131303 1.802846706
#> [1369,] -0.9003459038 -1.0924164065 -1.728958347
#> [1370,] 1.8242971931 3.1203055038 4.006500305
#> [1371,] 1.2310560053 2.0398537065 2.667135132
#> [1372,] -1.5188673695 -2.5617044333 -3.315635338
#> [1373,] 2.3199111503 5.8340813830 6.130552794
#> [1374,] -0.7649850078 -1.3738782885 -1.716365631
#> [1375,] -0.1519180527 0.1438360007 -0.109615755
#> [1376,] 0.9936054786 2.8963522703 2.846360012
#> [1377,] 1.0877433764 0.5051616986 1.636737397
#> [1378,] -0.1254949442 -0.7237115165 -0.558119227
#> [1379,] 0.7273393959 -0.3189096154 0.729995907
#> [1380,] -0.3276455334 -1.0940541667 -1.015721554
#> [1381,] -0.3661292629 -0.9191285081 -0.966633563
#> [1382,] -2.8289693898 -4.0965396679 -5.801075131
#> [1383,] 0.3645346801 1.1655744082 1.101412307
#> [1384,] -0.7415009086 -0.9972598242 -1.478073958
#> [1385,] 0.1691793152 0.5409635094 0.511175254
#> [1386,] 1.3425157518 2.8289398300 3.244032924
#> [1387,] -0.0446633506 -1.2859106893 -0.769320881
#> [1388,] 2.0743627973 3.0196597272 4.262472821
#> [1389,] -0.8464687210 -1.5106941874 -1.893901255
#> [1390,] -0.1811739034 -0.0465978656 -0.251780027
#> [1391,] -0.3165521958 -1.7348831176 -1.357521626
#> [1392,] 1.3146337479 1.4047805462 2.418915858
#> [1393,] 0.0532268821 1.0908731663 0.671761771
#> [1394,] 1.0884585012 2.0756825177 2.509202443
#> [1395,] -1.3214734573 -1.8417128258 -2.669923958

```

```

#> [1396,] 1.5495942911 2.9666436629 3.578675501
#> [1397,] -0.8740287059 -1.7060145813 -2.036662635
#> [1398,] -0.4509404016 -0.4255676191 -0.798485694
#> [1399,] -0.6366693787 -2.2475390620 -2.041203809
#> [1400,] -0.2815482925 -0.5071004652 -0.632504505
#> [1401,] -1.1653881986 -1.3861391218 -2.222464492
#> [1402,] -0.2205395640 0.7927850342 0.164954164
#> [1403,] 1.3581949182 1.5579270182 2.558225629
#> [1404,] 2.1340794497 4.2690361609 5.030289880
#> [1405,] -2.0547444592 -2.7428099656 -4.084369127
#> [1406,] -1.3744283736 -2.6114161069 -3.163110753
#> [1407,] 2.1694385231 3.2267902518 4.495979081
#> [1408,] -1.2747763510 -2.0825433293 -2.745344465
#> [1409,] 0.8714628598 0.8270964705 1.545700324
#> [1410,] -0.6599570118 -0.9188393907 -1.332870325
#> [1411,] 0.5563472865 1.0564666309 1.280048467
#> [1412,] -1.5411358460 -3.5024738030 -3.865491286
#> [1413,] -1.6705546435 -2.4289019134 -3.431086436
#> [1414,] -1.3754559325 -2.1150039902 -2.888904157
#> [1415,] 0.0701048207 1.4250359424 0.878254566
#> [1416,] 0.3382768359 0.7495669602 0.837802595
#> [1417,] -0.5418852768 0.1267715624 -0.605366978
#> [1418,] 0.6487114257 0.9238864942 1.321648240
#> [1419,] 1.4195542191 2.1282238584 2.951230295
#> [1420,] 0.2627138102 0.3185023269 0.504354219
#> [1421,] 1.2213173978 2.0702725414 2.671872467
#> [1422,] 0.0736700634 -1.1968384257 -0.572330151
#> [1423,] 0.3491813064 1.1259937298 1.060301344
#> [1424,] 0.5846668891 0.3600945790 0.928905101
#> [1425,] 1.4279069936 3.8252777672 3.903439901
#> [1426,] -1.6126232005 -3.7418148800 -4.087458836
#> [1427,] 0.1421605999 0.2558737760 0.319270601
#> [1428,] 0.1697339193 0.7319661244 0.617865289
#> [1429,] -0.8853019438 -2.8527832728 -2.687128743
#> [1430,] 1.0580461608 2.0679836959 2.467006351
#> [1431,] 0.9712970569 1.2376351323 1.898023300
#> [1432,] -0.6312277473 -1.6361929140 -1.695146689
#> [1433,] -1.0349607575 -1.4758438023 -2.109606475
#> [1434,] 1.9426675503 3.3495393911 4.281320936
#> [1435,] -0.2563010365 -0.0494693359 -0.347055575
#> [1436,] -0.7133981265 0.2928900213 -0.727051214
#> [1437,] -0.3900066905 -0.0984726717 -0.540978598
#> [1438,] -1.7463148980 -1.4142228057 -2.962453506
#> [1439,] 1.5059810876 2.8329982868 3.450123137
#> [1440,] 0.5187723291 0.6870335314 1.028173359

```

```

#> [1441,] 1.5668060697 2.7346441722 3.471388234
#> [1442,] -0.1341954169 0.8582396267 0.308948112
#> [1443,] 1.5730644095 1.9914694861 3.066761420
#> [1444,] 0.1437905811 0.6491953318 0.539580151
#> [1445,] -0.6869358459 -0.0794694932 -0.900697230
#> [1446,] -0.7997186040 -1.1017916529 -1.608681026
#> [1447,] 0.3921231707 0.1034171921 0.546361808
#> [1448,] 0.1835096070 -0.2837222151 0.071378786
#> [1449,] 0.1834927496 -0.0508888923 0.200570512
#> [1450,] 0.0010399288 1.3571140672 0.754438258
#> [1451,] 0.4423904056 -0.5888377553 0.224871512
#> [1452,] 2.0241046887 2.6955013828 4.019907675
#> [1453,] 1.4246380138 2.9329903751 3.404181406
#> [1454,] 0.5418700016 0.3780140464 0.885482809
#> [1455,] 1.5302084833 3.9866858562 4.120582504
#> [1456,] -0.6403566766 -1.1416837480 -1.432098395
#> [1457,] 1.8998921377 2.2795082273 3.634158373
#> [1458,] 0.2527111633 0.0291338262 0.331293720
#> [1459,] 0.4805222143 -0.2466028048 0.462347168
#> [1460,] -2.6385647173 -2.8779522162 -4.887379372
#> [1461,] 1.0578328858 1.9419420569 2.396792569
#> [1462,] 1.6025539548 2.2646772186 3.255153135
#> [1463,] -1.8787333351 -3.1352281381 -4.082662501
#> [1464,] 2.0411360060 3.4781656775 4.475491295
#> [1465,] 0.4591461551 0.8546227377 1.046825729
#> [1466,] -1.0144533785 -2.1605959139 -2.464042944
#> [1467,] -0.0042858460 0.0245459263 0.008277599
#> [1468,] -0.1652205387 -0.2611054148 -0.350929215
#> [1469,] -1.4813239600 -2.4416444698 -3.202191219
#> [1470,] -0.6476758185 -1.0522665597 -1.391602420
#> [1471,] 1.4812555192 2.5414363213 3.257486174
#> [1472,] -0.4420677662 -0.0391446599 -0.572973135
#> [1473,] 0.7858302730 1.7112226055 1.929571223
#> [1474,] -0.6499911607 -1.5255151140 -1.657122738
#> [1475,] -0.2660329081 -0.1264853244 -0.401931670
#> [1476,] 0.0487838796 -0.0668980137 0.023706906
#> [1477,] 2.7241638009 2.9982882677 5.060901153
#> [1478,] -0.4690432844 -1.2859484200 -1.298534942
#> [1479,] -0.7021938305 -0.1657652727 -0.967614171
#> [1480,] 1.7583730213 2.9770830255 3.844811728
#> [1481,] 1.0135555327 1.2199475633 1.940902898
#> [1482,] 0.1323723036 1.7158087010 1.117267554
#> [1483,] -0.6599663385 -1.2365094660 -1.509175547
#> [1484,] 1.7938803967 3.0462353858 3.927465366
#> [1485,] 1.9682538003 1.8496697036 3.480861588

```

```

#> [1486,] -0.0840698881 -1.3110942015 -0.832435825
#> [1487,] -0.3721484843  0.3815264323 -0.252330373
#> [1488,]  0.3950908966  0.6631438144  0.860687342
#> [1489,] -0.3438985021 -0.4829244112 -0.696837247
#> [1490,]  0.0940298304  0.7304373949  0.522615453
#> [1491,]  2.1682269343  3.4175455416  4.600329453
#> [1492,]  1.3829707484  2.3075901022  3.005152208
#> [1493,] -0.9008205003 -0.5143174594 -1.408729447
#> [1494,]  0.7786471556  2.9403095113  2.602705796
#> [1495,] -1.6048053367 -2.8705068466 -3.594170641
#> [1496,] -1.0493689615 -3.6857018305 -3.353951895
#> [1497,]  1.3278789013  3.2984242945  3.486325291
#> [1498,] -0.9936969360 -2.2972965716 -2.514023226
#> [1499,] -0.3233148809 -0.0496947596 -0.430745573
#> [1500,] -0.5432241608 -0.1755733594 -0.774825312
#> [1501,] -0.1052536332 -0.1391207554 -0.208455328
#> [1502,] -0.0058706321 -1.2055403446 -0.676344976
#> [1503,]  0.4057748239  0.8385201852  0.971336525
#> [1504,]  0.6598395812  1.0941132146  1.429993525
#> [1505,] -2.5085512954 -2.7505560425 -4.654555744
#> [1506,]  0.8585483357  1.8725344483  2.109770483
#> [1507,]  1.0837873515  1.0104440358  1.912214857
#> [1508,]  1.0519849433  2.4510850644  2.672053357
#> [1509,] -0.4505602121 -0.3827850096 -0.774269049
#> [1510,]  0.4965321965  1.4964415264  1.449627916
#> [1511,] -0.4513315388  0.2536536845 -0.422034048
#> [1512,] -0.3840958873 -0.5690323011 -0.794748840
#> [1513,] -2.9358271074 -4.6572666199 -6.245504507
#> [1514,]  1.5322046285  2.4284360818  3.258308272
#> [1515,] -1.6111887677 -2.0646870446 -3.154934397
#> [1516,] -0.3780596394  0.0430552054 -0.447538823
#> [1517,]  1.2457276712  2.5527440780  2.970063083
#> [1518,] -1.9761922372 -4.0950261592 -4.736839481
#> [1519,] -1.5255526044 -2.7722308554 -3.440805039
#> [1520,] -0.3054528775 -1.3109774008 -1.108431078
#> [1521,] -2.1288232719 -3.5879721222 -4.645773507
#> [1522,] -0.5583351605 -0.4457925898 -0.943628780
#> [1523,] -0.1355588217  1.1494627155  0.468864596
#> [1524,] -0.9193709234 -2.1491829036 -2.339143319
#> [1525,] -1.0607914186 -2.9578045430 -2.964242947
#> [1526,]  1.9805499045  3.6882655477  4.516538294
#> [1527,] -0.2938470198 -0.9299123767 -0.882483676
#> [1528,] -1.3491216776 -1.9289801989 -2.752830463
#> [1529,] -0.5806813623 -1.1039752737 -1.336757871
#> [1530,]  0.6098894649  0.2320756120  0.889311971

```



```

#> [1531,] 0.5837102448 1.1385953949 1.359747543
#> [1532,] 0.1455951643 0.9576648822 0.713018114
#> [1533,] -0.3972999748 -0.1265645917 -0.565663015
#> [1534,] -0.0878671193 1.1817138609 0.546233211
#> [1535,] -0.3765760645 0.1322840253 -0.396170576
#> [1536,] -0.8959394761 -0.8861785445 -1.609010243
#> [1537,] -0.6293304223 -1.7297850940 -1.744720505
#> [1538,] -0.0183625170 0.5268669214 0.269491398
#> [1539,] 1.2167318860 1.6755221765 2.447084502
#> [1540,] 0.3124347750 -0.1087527579 0.329246564
#> [1541,] 0.0886496677 -0.4352265213 -0.130988170
#> [1542,] 2.2895304956 4.1344627334 5.149451546
#> [1543,] 2.6259154253 3.1293190933 5.011104055
#> [1544,] 0.4329428915 0.4304161138 0.778733878
#> [1545,] 1.2860665639 1.0572039018 2.190402677
#> [1546,] 0.8077264151 0.5861693193 1.332517796
#> [1547,] 1.0599177639 0.9641164941 1.856740122
#> [1548,] 2.1118453602 4.6142491983 5.194143206
#> [1549,] 0.0719767861 0.8432793831 0.557738335
#> [1550,] 0.4808013837 0.8463611829 1.069244540
#> [1551,] 0.2871799602 0.7726997130 0.786923542
#> [1552,] 0.8816303718 1.4524200277 1.905407397
#> [1553,] -1.8969559879 -2.3283172342 -3.657584009
#> [1554,] 0.5483377514 0.7078093191 1.076570530
#> [1555,] 0.6709326580 1.5082334184 1.673645741
#> [1556,] -0.2879769473 0.0206895406 -0.347619551
#> [1557,] -0.4259253001 0.0097544300 -0.525706862
#> [1558,] -0.5924741836 -0.6383123083 -1.093039829
#> [1559,] 2.2172623760 3.0261544413 4.444269975
#> [1560,] -0.8780449888 -1.8997106089 -2.149164043
#> [1561,] -0.0215252046 0.5030562192 0.252333649
#> [1562,] -0.2179805357 -0.3605292992 -0.471895948
#> [1563,] 0.7941613621 0.2884290211 1.150369051
#> [1564,] 0.1952140416 1.2858528368 0.957022417
#> [1565,] -0.1616502842 -1.0471981998 -0.782725764
#> [1566,] -0.2374451732 -0.6645895891 -0.664908685
#> [1567,] -0.1029304238 0.4822571388 0.139280382
#> [1568,] -1.0224023649 -0.6804592244 -1.652541276
#> [1569,] -0.9262000370 -2.7626150483 -2.688088242
#> [1570,] 0.6265594179 2.3228459506 2.070389065
#> [1571,] 0.3244042972 1.0921363803 1.010615508
#> [1572,] 0.1574671590 0.3416793171 0.385976051
#> [1573,] 1.1483153517 2.8445905784 3.010554496
#> [1574,] -0.8268021151 -2.0207470386 -2.152435376
#> [1575,] 0.2068739299 -0.0711568412 0.218478504

```

```

#> [1576,] 1.2011083513 2.5180691662 2.895180577
#> [1577,] -0.1287617986 -0.5333007023 -0.456522898
#> [1578,] 0.4826241006 0.1603669017 0.690819326
#> [1579,] 0.4378300731 1.1719555191 1.196351417
#> [1580,] 0.8277749630 1.4687348505 1.847304845
#> [1581,] -2.0017907119 -3.8663703789 -4.641865872
#> [1582,] -1.6293839126 -2.1233912623 -3.210201754
#> [1583,] 0.5040210634 1.2817804287 1.339838458
#> [1584,] -0.1520889204 -0.6634054120 -0.557814010
#> [1585,] -0.2295252359 -0.3225256755 -0.465201534
#> [1586,] -1.2016580740 -1.0066644650 -2.057099740
#> [1587,] 0.5688687408 0.9151616298 1.217244106
#> [1588,] -1.6586563133 -3.6142682918 -4.074078172
#> [1589,] -0.7626559382 -1.4304510222 -1.744856827
#> [1590,] -0.3991398440 -1.6136177947 -1.393209562
#> [1591,] 0.4302561672 0.9040710888 1.038242268
#> [1592,] -1.2874141628 -1.8114858126 -2.610677985
#> [1593,] -0.8045097421 -1.3277271672 -1.740040228
#> [1594,] -0.4073649324 -1.6101413618 -1.401536805
#> [1595,] 0.6357657013 1.6950775408 1.733483928
#> [1596,] -0.1939370363 -0.8570491325 -0.717461914
#> [1597,] 0.4179454323 -0.0465896602 0.495314119
#> [1598,] 0.5783979231 -0.9174570353 0.212100170
#> [1599,] -0.6775969837 0.4869841218 -0.574693820
#> [1600,] 1.2378887595 2.7840722742 3.088665584
#> [1601,] -0.2683007624 -0.5713800928 -0.651657607
#> [1602,] 1.2837750561 2.8594519046 3.187717398
#> [1603,] 0.0727104250 -0.8223039220 -0.365675832
#> [1604,] -1.3650453465 -3.6381284681 -3.721192684
#> [1605,] -1.3004443817 -2.3084675204 -2.902730443
#> [1606,] -0.5411879976 -0.5887544168 -1.001584446
#> [1607,] 1.4295820945 1.7925606984 2.777455851
#> [1608,] 0.1261360250 1.5873373229 1.038194806
#> [1609,] -0.1275241188 0.0660502125 -0.122364873
#> [1610,] 0.7580575925 1.3054117462 1.669731221
#> [1611,] 0.4584985537 -0.7749358018 0.141681420
#> [1612,] 0.6960946221 2.3954283299 2.197378228
#> [1613,] -0.6038911270 -1.0267574101 -1.322847293
#> [1614,] -0.1420253287 0.5841731383 0.147088946
#> [1615,] 0.6181707318 1.6730154525 1.699299825
#> [1616,] 0.8388840193 1.4329745182 1.841312124
#> [1617,] 0.5799077423 0.6276483278 1.071451670
#> [1618,] -0.3093078724 -0.3367426975 -0.572578707
#> [1619,] 0.0666610525 -0.5748105244 -0.235870802
#> [1620,] 0.0869085052 0.3395342901 0.296800449

```

```

#> [1621,] 0.6740357748 2.0102433453 1.956109755
#> [1622,] -1.1542428882 -2.7247185043 -2.951422031
#> [1623,] -0.6115963642 -0.1644279216 -0.853898804
#> [1624,] 0.3804323409 1.1414371718 1.107841210
#> [1625,] -0.0707092457 0.5064804426 0.192902453
#> [1626,] -0.6886291915 -0.8685088120 -1.340692584
#> [1627,] 2.2610610955 3.2320153020 4.613130244
#> [1628,] 1.7849193288 1.9754561189 3.322053435
#> [1629,] 1.0268325000 1.8721681015 2.319414096
#> [1630,] -0.6927546562 -2.0269678162 -1.988733200
#> [1631,] 0.4455999056 0.1139248893 0.618877538
#> [1632,] -1.0122724907 -1.0084557072 -1.821933845
#> [1633,] 0.4693878903 0.8787987963 1.073013664
#> [1634,] -1.1501011811 -2.7954095344 -2.985487969
#> [1635,] -1.2732406911 -2.1914839706 -2.803887023
#> [1636,] -0.4535200180 -0.5557320130 -0.873938212
#> [1637,] 0.9664970508 3.0366976561 2.890442168
#> [1638,] 0.1129174449 0.6464150349 0.499539031
#> [1639,] 1.7711136165 2.3960714779 3.538261907
#> [1640,] 1.9658841845 2.8559002264 4.036322536
#> [1641,] 0.9419329969 1.6292000154 2.078709033
#> [1642,] -0.9934913501 -1.6606805950 -2.160471651
#> [1643,] -1.4305129245 -2.0526677593 -2.922965105
#> [1644,] -0.2566317513 -0.4940486689 -0.594190886
#> [1645,] -0.8776364783 -1.1340392127 -1.723739071
#> [1646,] 0.6613493144 1.7336199892 1.786775617
#> [1647,] -0.0038557085 0.6218277314 0.340280366
#> [1648,] 1.8028487808 1.9578996876 3.334668012
#> [1649,] 0.0311790778 0.5397820881 0.338436133
#> [1650,] -2.4694083453 -4.4322685912 -5.539025338
#> [1651,] -0.1612714812 -0.7827691147 -0.635506333
#> [1652,] -0.5413957680 0.2304230109 -0.547234356
#> [1653,] -1.6730251722 -2.8863217307 -3.688015982
#> [1654,] -1.9463651847 -3.7179586423 -4.490389070
#> [1655,] -0.3563172256 0.2415613723 -0.310263865
#> [1656,] -1.2440938304 -1.5527133993 -2.413050559
#> [1657,] 1.1107071163 1.0324701071 1.958006802
#> [1658,] 3.0263723755 3.4704790689 5.699795207
#> [1659,] 0.2649686914 0.0099003914 0.335904857
#> [1660,] 0.2124316884 1.6141226887 1.160668495
#> [1661,] -1.1070653435 -2.2576897775 -2.633411205
#> [1662,] -1.0710092152 -1.9377893265 -2.410918592
#> [1663,] -0.7495400829 -0.7660802823 -1.359803678
#> [1664,] -0.5830718565 -1.0681723268 -1.319869632
#> [1665,] -0.1568709864 -1.2389252210 -0.883166547

```

```

#> [1666,] -0.3870655141 -0.0074012751 -0.486770199
#> [1667,]  0.0571031291  0.2474511614  0.208531472
#> [1668,]  0.4139165905  0.9929228137  1.067176136
#> [1669,]  0.2022656414  0.3695078979  0.457282542
#> [1670,] -0.4239276515  1.2429924426  0.161179629
#> [1671,]  0.5755684309  0.5996507590  1.050503159
#> [1672,] -0.3388576207 -0.7340223581 -0.829900218
#> [1673,] -0.5146263291 -0.8439267730 -1.110072562
#> [1674,] -2.7573196343 -4.8090756151 -6.107156965
#> [1675,] -0.6421114677 -0.9064056952 -1.303717115
#> [1676,] -0.4865266305 -0.6736355532 -0.980528313
#> [1677,] -0.2068715149 -1.0599469914 -0.846190762
#> [1678,]  1.2617314307  2.6956292072  3.069314709
#> [1679,]  0.1062444371  0.3547802312  0.329372820
#> [1680,]  0.5702755176  1.5872228013  1.591964140
#> [1681,]  1.1455202350  2.1679580374  2.631566312
#> [1682,]  1.2859622608  3.5427300514  3.569635562
#> [1683,] -0.1549455106 -2.5142059328 -1.588492920
#> [1684,] -0.8895528472 -0.7064124522 -1.501283592
#> [1685,]  0.1132241717 -0.0489486467  0.114023783
#> [1686,]  2.3605793272  2.9657106509  4.589439517
#> [1687,]  0.6228014115  0.4673484529  1.035979482
#> [1688,] -0.3951736917 -0.8072971963 -0.940789678
#> [1689,] -0.3018257918 -0.3107013160 -0.548796828
#> [1690,]  1.0162684861  2.0397354737  2.399233862
#> [1691,] -1.3079310685 -2.1078778342 -2.800747311
#> [1692,]  1.4572631651  3.8747729477  3.967514201
#> [1693,] -0.1888469998 -0.1538611604 -0.320874859
#> [1694,]  0.2068257361  0.9913377536  0.808058422
#> [1695,]  0.4337070172  2.2133282369  1.769128308
#> [1696,]  1.6234219310  3.1669750015  3.781912567
#> [1697,] -0.9943019478 -1.0621326033 -1.829313374
#> [1698,]  0.3354996873  1.3221259975  1.152085841
#> [1699,]  0.7918556189  1.7215995087  1.942843453
#> [1700,]  1.1658126540  3.3576512600  3.317100473
#> [1701,] -1.8145809947 -2.3240936600 -3.552520166
#> [1702,] -0.8137511199 -0.8592985341 -1.491605758
#> [1703,] -0.5375110466 -0.3683352452 -0.874675952
#> [1704,]  0.1148609086 -0.5846101616 -0.181204953
#> [1705,]  0.0853268606  0.9798111195  0.650155003
#> [1706,]  0.0590160027  0.8076327627  0.521794121
#> [1707,] -1.0622414340 -1.9935427621 -2.430926170
#> [1708,]  0.9357415312  1.5862150311  2.047133535
#> [1709,] -1.9514837955 -4.2951592021 -4.817094018
#> [1710,]  0.9133394315  1.6395108338  2.048775512

```

```

#> [1711,] -1.5755897433 -2.7358755619 -3.483024665
#> [1712,]  0.7975797257  0.9321477289  1.511868613
#> [1713,] -0.6880717812 -0.8674748864 -1.339423720
#> [1714,]  1.5237714181  1.5362358120  2.752658436
#> [1715,]  0.3087185728  1.1911646612  1.046012279
#> [1716,]  1.0601426981  2.4993712740  2.709022735
#> [1717,]  0.0134559617  0.6930159916  0.401374170
#> [1718,] -0.6751655604 -1.1946150774 -1.504879035
#> [1719,] -1.3605520574 -2.9305369682 -3.322905987
#> [1720,]  1.8178950707  3.3055604359  4.101325720
#> [1721,] -1.2191409055 -1.2963120748 -2.239642771
#> [1722,] -1.2464031478 -2.7178424738 -3.062528086
#> [1723,]  0.2921380956 -0.7038687344 -0.026327431
#> [1724,]  0.8534903463  1.1376706267  1.695644620
#> [1725,] -1.1112518419 -1.1129106628 -2.003327204
#> [1726,] -0.8451831974 -2.2180913695 -2.284874052
#> [1727,] -0.7069891432 -0.1977401402 -0.991338540
#> [1728,] -0.9290349444 -1.6580228778 -2.078620906
#> [1729,]  0.4076566612  1.0601563656  1.096681938
#> [1730,] -2.1277431563 -4.4058777302 -5.098329993
#> [1731,]  2.0074972767  3.1524327416  4.252776344
#> [1732,]  0.1570116446  0.8955254144  0.692769430
#> [1733,] -0.0957509424  1.4805788059  0.702259776
#> [1734,]  1.4865702862  2.1446315784  3.043903561
#> [1735,] -0.4725920613 -0.4741967540 -0.852472006
#> [1736,]  1.0162558931  2.1755308377  2.474578901
#> [1737,] -0.4720206385 -0.5184430970 -0.876314321
#> [1738,]  0.2900139178 -0.6927015300 -0.022778907
#> [1739,] -0.1814375608  0.5468066909  0.077205882
#> [1740,]  0.5995235222  1.7003333440  1.691207421
#> [1741,] -0.2918904447 -0.1694959463 -0.458044585
#> [1742,] -0.5769146370 -0.1812685085 -0.819997218
#> [1743,] -0.2131693716 -0.3339747636 -0.451159870
#> [1744,] -0.2324773628 -0.1616397393 -0.379597818
#> [1745,] -0.2796739934 -0.1320665536 -0.422039173
#> [1746,]  0.1449575643 -0.0536230286  0.151000590
#> [1747,]  1.6466582539  2.4544539619  3.415468443
#> [1748,]  1.9666021320  3.7045623303  4.508189738
#> [1749,] -0.9542396701 -1.7228976737 -2.146053480
#> [1750,]  0.5204743362  1.7466880012  1.618359592
#> [1751,]  0.3525984516  0.3899305057  0.656078182
#> [1752,]  0.2460921948  0.6254216037  0.653954752
#> [1753,] -1.9444846866 -3.2797285735 -4.244844787
#> [1754,] -1.6998674364 -2.6023721782 -3.563907625
#> [1755,]  0.3480439757  0.4222247204  0.668320781

```

```

#> [1756,] 0.6282828346 0.3327199403 0.968101517
#> [1757,] 1.5900462076 2.4754578116 3.356530633
#> [1758,] -0.9924767770 -1.6131480750 -2.132827941
#> [1759,] 2.8196046943 4.7617288572 6.158549696
#> [1760,] 0.3229164522 0.8165375385 0.855814377
#> [1761,] -0.1863506268 -0.3606783881 -0.432536835
#> [1762,] 1.3045705897 1.4270929640 2.418749763
#> [1763,] -1.8431760196 -1.8657651235 -3.333824430
#> [1764,] -0.1239768548 -0.5121425782 -0.438814298
#> [1765,] -1.9547059406 -3.7862201350 -4.538672093
#> [1766,] -3.2536639303 -6.1651301326 -7.478641661
#> [1767,] 0.0545641119 1.1254074830 0.692594369
#> [1768,] 1.2820682953 1.0937330548 2.205689068
#> [1769,] -2.0504937348 -5.1186448901 -5.397557472
#> [1770,] 2.1200312420 4.3510578957 5.058290680
#> [1771,] -0.2988417258 -0.5818372368 -0.695544843
#> [1772,] -0.7124543416 -0.9833685594 -1.434144411
#> [1773,] -1.9925571309 -3.4640695527 -4.407091670
#> [1774,] 0.7059733046 1.5019897649 1.713875746
#> [1775,] 1.4446462092 1.8089834154 2.805354415
#> [1776,] 0.1915381818 -0.6637610109 -0.129515365
#> [1777,] -1.0292769116 -1.3445278625 -2.029643986
#> [1778,] -1.2093890678 -3.0969493034 -3.226760701
#> [1779,] -1.6783737513 -3.1927046044 -3.864715219
#> [1780,] 0.3608891975 0.9583828214 0.981883809
#> [1781,] 1.7341751962 3.0838858724 3.873908642
#> [1782,] -0.9123559295 -2.0645286202 -2.283416182
#> [1783,] 0.4717687099 0.8270631762 1.047271394
#> [1784,] 2.0392399035 1.7618642041 3.520651434
#> [1785,] -0.8041499829 -1.6511083422 -1.919054628
#> [1786,] -1.2581279968 -1.1965148738 -2.232875610
#> [1787,] 0.2304080123 0.8021565463 0.732477390
#> [1788,] 2.9889305797 5.6532249886 6.864438650
#> [1789,] -0.1429068723 0.2230492060 -0.054418984
#> [1790,] -0.5624967718 -0.3384333077 -0.889238318
#> [1791,] 0.3844830203 0.6537921842 0.842269774
#> [1792,] -0.3552806619 -1.4279206563 -1.235463919
#> [1793,] -1.4961452576 -0.7101207699 -2.259749916
#> [1794,] 0.0449577934 -0.3336649916 -0.129108649
#> [1795,] -0.4951017307 -1.5816384956 -1.495124905
#> [1796,] 1.1348309452 1.5400661284 2.269783264
#> [1797,] 2.0152798349 4.2066366477 4.847520066
#> [1798,] 1.0993516731 3.0548229764 3.066167966
#> [1799,] 1.3648274058 1.3039833170 2.425568083
#> [1800,] 2.0095164020 2.8552028585 4.090344012

```

```

#> [1801,] -2.7203372269 -3.2803700432 -5.212673069
#> [1802,]  0.4922502034  2.0526245848  1.752946669
#> [1803,] -0.3867977940  0.0903671100 -0.432178997
#> [1804,]  0.2942155822  1.5798166094  1.243612905
#> [1805,] -1.3448570654 -3.9008049492 -3.841792759
#> [1806,]  0.1850764589 -0.7217965072 -0.169780272
#> [1807,] -1.7947900179 -3.5030717519 -4.182124701
#> [1808,]  1.2546408082  2.0632072663  2.709505148
#> [1809,] -0.6480172167 -0.9806777643 -1.352299352
#> [1810,]  1.3709520856  3.0439104522  3.398792147
#> [1811,]  0.0617401732  0.0914882419  0.127760880
#> [1812,]  1.8995998839  1.7312195669  3.329516688
#> [1813,] -0.0825701408  0.8607528701  0.374718524
#> [1814,] -0.2396687903 -1.3607456173 -1.054018939
#> [1815,] -1.2885183116 -3.2618418625 -3.416941721
#> [1816,]  1.0149562185  1.9231599048  2.332902932
#> [1817,] -0.7807688450 -1.7886716501 -1.966240703
#> [1818,] -1.0836753639 -1.5671944594 -2.221048386
#> [1819,]  0.5377530217  2.0944786872  1.832915030
#> [1820,] -3.4372912396 -6.9592056860 -8.148299856
#> [1821,]  0.6042845627  0.7769966340  1.184731125
#> [1822,]  0.5036380520  0.3792961796  0.838519878
#> [1823,]  0.2081923580 -0.8539284505 -0.214282914
#> [1824,]  3.1254352198  5.8191383194  7.126732104
#> [1825,] -1.6517868319 -3.3477831954 -3.917623998
#> [1826,] -0.6337656841 -1.4586639090 -1.599790280
#> [1827,]  0.3381202734  0.0803186493  0.466202572
#> [1828,] -1.9802092809 -3.7501996286 -4.550484365
#> [1829,] -0.7558072624 -1.4730343350 -1.759948624
#> [1830,] -0.5630662151 -0.3167731256 -0.877927908
#> [1831,]  1.1632635045  2.9049507459  3.062691904
#> [1832,] -1.4224945163 -3.4366389067 -3.681012357
#> [1833,] -0.2116715095  0.2566328834 -0.121529549
#> [1834,] -0.2261288573 -0.5776179431 -0.602531848
#> [1835,] -2.4877177091 -3.7156344014 -5.164154770
#> [1836,] -0.4274818474 -1.0722537006 -1.128117055
#> [1837,]  0.3925984159 -0.9028032933 -0.011455812
#> [1838,]  0.7915403314  2.5242273707  2.387875155
#> [1839,]  0.3503497570  0.0217863248  0.448969499
#> [1840,]  0.4560114744  1.5515385778  1.429675959
#> [1841,]  1.0469613484  0.8630303657  1.784485167
#> [1842,]  0.2642773569  0.5978429578  0.661326285
#> [1843,] -1.2244488250 -0.9994281081 -2.081503467
#> [1844,] -1.6428555788 -2.2575125389 -3.301432340
#> [1845,] -0.0662161602  0.0404387633 -0.060128381

```

```

#> [1846,] 0.3914867078 0.6572809725 0.852939361
#> [1847,] -0.8999117797 -1.5332842582 -1.973080202
#> [1848,] 0.5097124343 2.1259833478 1.815432757
#> [1849,] 1.6691907947 3.5247227739 4.037520442
#> [1850,] -0.7329157879 -1.0715175369 -1.508578410
#> [1851,] 0.3524297878 -0.1138669982 0.376281341
#> [1852,] 2.1577052253 5.3812035489 5.676957077
#> [1853,] 2.2279611710 4.6820977181 5.376590342
#> [1854,] -0.6676287462 -0.1252104683 -0.902005997
#> [1855,] -0.7531031717 -2.5211998361 -2.338264646
#> [1856,] -0.8491508850 -0.8471977662 -1.529033124
#> [1857,] 0.9723464889 -0.1034239164 1.155100296
#> [1858,] -1.5092618323 -3.4988262978 -3.823720828
#> [1859,] 1.5322274449 1.3552113312 2.662741921
#> [1860,] 0.0375109906 1.2989857279 0.767658133
#> [1861,] 0.8107455173 1.6048161731 1.901588910
#> [1862,] 0.0947115635 -1.6119066862 -0.776437336
#> [1863,] 2.0321636295 3.2317686854 4.327562910
#> [1864,] 1.6726128789 3.3977877056 3.971344063
#> [1865,] 2.1452178917 4.3580651145 5.093586632
#> [1866,] 0.2525864516 -0.0066763626 0.311265052
#> [1867,] -1.8504671501 -2.1543358061 -3.503060968
#> [1868,] -1.5854408140 -3.5385989571 -3.940786625
#> [1869,] 0.6628157773 2.3820698699 2.148466801
#> [1870,] 0.4109651907 1.2164493668 1.187543679
#> [1871,] 0.9944664700 2.0421431425 2.373383348
#> [1872,] -0.2817072723 -0.7095088496 -0.745030929
#> [1873,] -0.1141287430 -1.0057902096 -0.700487671
#> [1874,] -0.5947297501 -1.8212020747 -1.752306770
#> [1875,] 1.9955772118 3.8294742232 4.613641942
#> [1876,] 1.2050858896 3.3886582036 3.383280952
#> [1877,] 1.0281406521 0.5218339113 1.571666396
#> [1878,] 0.4436139060 1.9569265189 1.639189778
#> [1879,] -0.3016276184 -1.3551598678 -1.128180477
#> [1880,] 0.0781061792 0.5061359068 0.378281050
#> [1881,] 1.7639165878 3.3543515629 4.061092685
#> [1882,] -0.7505621472 -3.0073112497 -2.604867523
#> [1883,] -0.4441843380 -0.8970860808 -1.051734025
#> [1884,] 1.0085672186 1.4808170816 2.079454232
#> [1885,] 1.8260115459 2.0606363798 3.420566070
#> [1886,] 0.4014464608 1.1784655940 1.154594613
#> [1887,] 1.1700779412 2.2205512884 2.691376323
#> [1888,] -1.3469907352 -3.2190126322 -3.466087211
#> [1889,] 0.4579473628 0.4904909444 0.843252959
#> [1890,] -0.1989290612 0.2589758450 -0.104339731

```



```

#> [1891,] -1.0198771947 -1.3360961622 -2.013243491
#> [1892,] -0.7276963614 -0.7835229287 -1.342244941
#> [1893,] -1.7767092065 -3.6341443494 -4.232318102
#> [1894,] -0.6298814180 -0.8809677090 -1.274349475
#> [1895,] -1.8792604868 -4.2170554827 -4.683688731
#> [1896,] 0.7884504198 0.9209527145 1.494271790
#> [1897,] 1.3930261090 3.2542753573 3.543061719
#> [1898,] 0.4226348212 0.4800533200 0.793426496
#> [1899,] -0.2917554549 -0.3591718299 -0.563138429
#> [1900,] -0.9029584858 -1.4784410448 -1.946443695
#> [1901,] -1.2717681788 -2.3317220115 -2.879877072
#> [1902,] 0.3942453998 0.1491335695 0.574378860
#> [1903,] 0.3808152682 0.5000780054 0.752391228
#> [1904,] 0.3321037042 0.9292683695 0.929831584
#> [1905,] -0.7957986639 -1.3965306319 -1.767360733
#> [1906,] 1.6782798110 3.3726302203 3.964449261
#> [1907,] -1.4953476128 -0.7348613577 -2.272485260
#> [1908,] 1.4830031350 2.4888882290 3.230503424
#> [1909,] -1.1473219601 -1.5723244961 -2.303261348
#> [1910,] -0.2881479031 0.9582942585 0.172498634
#> [1911,] -1.4513052550 -3.9310386939 -3.991309942
#> [1912,] 1.6157071616 2.3184642394 3.301404460
#> [1913,] 0.4442269268 1.1152117243 1.172837733
#> [1914,] -0.5560603271 -0.0316962279 -0.710985966
#> [1915,] -0.7947887922 0.0140567567 -0.983284502
#> [1916,] 1.9954074084 2.3091739261 3.769727188
#> [1917,] 0.3449013113 -0.1383777375 0.353291050
#> [1918,] 1.7722288732 3.0045787517 3.877348670
#> [1919,] -0.4358090826 -1.2858010143 -1.257010766
#> [1920,] 0.4351229262 1.1806249029 1.197786805
#> [1921,] -0.3328855935 -0.8112303285 -0.865300413
#> [1922,] -1.2132142053 -2.2234089321 -2.746752237
#> [1923,] -0.2686729734 -0.2666572850 -0.483013347
#> [1924,] -0.7072108109 -1.8460116590 -1.906336639
#> [1925,] -0.1001292045 0.4435835994 0.121311250
#> [1926,] -0.0762659255 -0.0253042614 -0.109144859
#> [1927,] -0.7461231328 -0.9573531699 -1.461691255
#> [1928,] -0.4927263823 0.5086784995 -0.332124479
#> [1929,] 0.4524244088 0.5259924075 0.856067774
#> [1930,] 1.5097027491 1.5297970011 2.731541822
#> [1931,] -0.8642231308 -2.2910989903 -2.349132633
#> [1932,] -1.8803089155 -4.3043119384 -4.733419780
#> [1933,] -1.2339487082 -1.6904610032 -2.476843952
#> [1934,] -1.1830664331 -2.0364212248 -2.605388231
#> [1935,] 0.8687263510 1.0007680937 1.638668433

```

```

#> [1936,] -0.2167569414 -0.1053760761 -0.328770795
#> [1937,] -0.0103769322 -0.3395885357 -0.201397242
#> [1938,] -1.1622856543 -0.5665468910 -1.763756309
#> [1939,] 0.2735706226 0.7208687309 0.741188951
#> [1940,] 0.9824734615 1.4691563234 2.040444617
#> [1941,] 0.7468782648 -0.4618602603 0.675028855
#> [1942,] -3.1987245482 -5.4921757320 -7.036671855
#> [1943,] 0.5003423932 0.5454538729 0.926620822
#> [1944,] -0.8857886498 -2.2184556325 -2.335710373
#> [1945,] 1.3148212727 4.0295343296 3.875778154
#> [1946,] -3.4433860369 -5.7035900901 -7.459085858
#> [1947,] 1.9448376448 2.5142768852 3.820491279
#> [1948,] -0.3221033701 -0.0716113797 -0.441397650
#> [1949,] 0.0474295164 -0.2086134411 -0.056628086
#> [1950,] 0.3142804182 0.2158197134 0.511672176
#> [1951,] 1.6469438167 3.4812692973 3.985664054
#> [1952,] 1.4213721412 1.5522810846 2.633873081
#> [1953,] -1.2163312020 -2.2212993680 -2.749468348
#> [1954,] -0.4795590679 0.0616960787 -0.563761636
#> [1955,] -0.1990427290 0.4069540924 -0.022359740
#> [1956,] -0.0294671523 -1.0333603533 -0.610216669
#> [1957,] -0.0323046162 -0.5528610703 -0.347097944
#> [1958,] 0.0494494904 -0.6214297082 -0.283204964
#> [1959,] -0.8791462223 -1.5349990222 -1.948137598
#> [1960,] -0.2680814681 -1.7433125149 -1.301757580
#> [1961,] -1.3283496255 -2.7293142398 -3.171080022
#> [1962,] 0.1466969102 0.0962325782 0.236333107
#> [1963,] -0.1134731525 -1.0351205632 -0.715947281
#> [1964,] 2.2128187448 4.5227676418 5.269286524
#> [1965,] -1.4263886636 -2.7296434334 -3.293515392
#> [1966,] -0.7381483048 -2.0930218935 -2.081995401
#> [1967,] 0.6248683970 -0.0957169264 0.726079259
#> [1968,] -1.7670080852 -4.1746527479 -4.520180533
#> [1969,] 0.0632785256 0.7334375596 0.485934169
#> [1970,] -0.5540128888 -0.4948861022 -0.965483839
#> [1971,] 1.5377784312 3.0515563447 3.611064348
#> [1972,] -0.2528251964 -0.4010571360 -0.537837782
#> [1973,] 0.8009050213 1.6102810303 1.892350779
#> [1974,] 0.9547395567 0.9279025606 1.705487826
#> [1975,] -2.0268498475 -3.8765239435 -4.678748906
#> [1976,] -1.2501902780 -2.4035866607 -2.892851741
#> [1977,] 0.5041749171 1.6966577310 1.570269844
#> [1978,] -1.0757960906 -1.8819011793 -2.385872146
#> [1979,] -1.2683455112 -1.8402101659 -2.602840579
#> [1980,] -1.0826244880 -0.6669178883 -1.720122161

```

```

#> [1981,] 0.0744954620 -0.1337044866 0.018693930
#> [1982,] -0.4265536129 -0.3797157203 -0.742629982
#> [1983,] -0.4469569704 -2.3425715924 -1.857375381
#> [1984,] 0.2973813575 0.9091214113 0.875352808
#> [1985,] -1.6063907103 -3.2432652086 -3.803012853
#> [1986,] 0.4900643758 -0.2122200951 0.493327014
#> [1987,] -1.1020718015 -2.4515057634 -2.734744118
#> [1988,] -0.4801158316 -0.3081339635 -0.769696098
#> [1989,] 0.3344160949 1.7994598384 1.415634920
#> [1990,] 0.2520986456 -0.1012376982 0.258179185
#> [1991,] -0.7938883341 -0.8455404914 -1.459202132
#> [1992,] 0.5117474857 1.2904669345 1.354293796
#> [1993,] 0.6608945914 1.1880424318 1.483435885
#> [1994,] -0.6959272938 -1.1265905750 -1.493017742
#> [1995,] -0.3785091851 -1.5184193770 -1.314652415
#> [1996,] -1.4380127041 -1.8867257370 -2.840226303
#> [1997,] -0.5402247878 -1.1657940872 -1.320616201
#> [1998,] -0.7647926178 -2.1570247151 -2.150739202
#> [1999,] 0.6712066417 0.8688951638 1.319181429
#> [2000,] -1.9073299960 -3.2265891615 -4.169023497
#>
#> [[1]][[13]]$value[[1]]$decomposition
#> [1] "eigen"
#>
#>
#>
#> [[1]][[13]]$visible
#> [1] TRUE

```

Environment

```
ls()  
#> [1] "i"      "root"   "tex_file"
```

Class

```
#> [[1]]  
#> [1] "character"  
#>  
#> [[2]]  
#> [1] "root_criterion"  
#>  
#> [[3]]  
#> [1] "character"
```

References

R Core Team. (2022). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>