

r.R

Dmbewe

##	subject	activity	features	NA	NA
## 1	1	STANDING	0.28858451 -0.0202941710	-0.13290514	
## 2	1	STANDING	0.27841883 -0.0164105680	-0.12352019	
## 3	1	STANDING	0.27965306 -0.0194671560	-0.11346169	
## 4	1	STANDING	0.27917394 -0.0262006460	-0.12328257	
## 5	1	STANDING	0.27662877 -0.0165696550	-0.11536185	
## 6	1	STANDING	0.27719877 -0.0100978500	-0.10513725	
## 7	1	STANDING	0.27945388 -0.0196407760	-0.11002215	
## 8	1	STANDING	0.27743247 -0.0304883030	-0.12536043	
## 9	1	STANDING	0.27729342 -0.0217506980	-0.12075082	
## 10	1	STANDING	0.28058569 -0.0099602983	-0.10606516	
## 11	1	STANDING	0.27688027 -0.0127218050	-0.10343832	
## 12	1	STANDING	0.27622817 -0.0214413020	-0.10820234	
## 13	1	STANDING	0.27845700 -0.0204147610	-0.11273172	
## 14	1	STANDING	0.27717497 -0.0147128020	-0.10675647	
## 15	1	STANDING	0.29794572 0.0270939080	-0.06166812	
## 16	1	STANDING	0.27920345 -0.0230201430	-0.12208028	
## 17	1	STANDING	0.27903836 -0.0148003780	-0.11684896	
## 18	1	STANDING	0.28013490 -0.0139169510	-0.10637048	
## 19	1	STANDING	0.27773106 -0.0182107180	-0.10918803	
## 20	1	STANDING	0.27556818 -0.0169796980	-0.11142918	
## 21	1	STANDING	0.27756171 -0.0143184870	-0.10787724	
## 22	1	STANDING	0.27715238 -0.0179833280	-0.10660117	
## 23	1	STANDING	0.27567630 -0.0212642340	-0.11080122	
## 24	1	STANDING	0.27920020 -0.0177144270	-0.10916135	
## 25	1	STANDING	0.28171549 -0.0119106780	-0.10287513	
## 26	1	STANDING	0.27899267 -0.0145310290	-0.10659617	
## 27	1	STANDING	0.27573444 -0.0180188400	-0.10677578	
## 28	1	SITTING	0.14450396 0.1892632600	0.06276932	
## 29	1	SITTING	0.28725164 -0.0374550640	-0.14597431	
## 30	1	SITTING	0.27999760 -0.0194840360	-0.10572355	
## 31	1	SITTING	0.22184689 0.0341076750	-0.12361242	
## 32	1	SITTING	-0.04170131 0.1751024800	0.02555178	
## 33	1	SITTING	0.01390367 0.1532960800	0.01624295	
## 34	1	SITTING	0.30368927 -0.0042428053	-0.15085028	
## 35	1	SITTING	0.29075969 -0.0240347600	-0.11673889	
## 36	1	SITTING	0.27090823 -0.0144129680	-0.10652245	
## 37	1	SITTING	0.27955340 -0.0170011470	-0.11051668	
## 38	1	SITTING	0.27635864 -0.0161380880	-0.10803259	
## 39	1	SITTING	0.23715407 0.0078251224	-0.12283791	
## 40	1	SITTING	0.27310840 0.0065181116	-0.10947182	
## 41	1	SITTING	0.28150539 -0.0184348590	-0.11139287	
## 42	1	SITTING	0.27843225 -0.0196543020	-0.10797029	

## 43	1	SITTING	0.27337960	-0.0099401064	-0.10839283
## 44	1	SITTING	0.27905615	-0.0162609700	-0.11281565
## 45	1	SITTING	0.27859910	-0.0199101420	-0.11118060
## 46	1	SITTING	0.27328142	-0.0111272090	-0.10634926
## 47	1	SITTING	0.27853812	-0.0161734320	-0.10970656
## 48	1	SITTING	0.27746121	-0.0174910160	-0.10635945
## 49	1	SITTING	0.27394057	-0.0131475840	-0.10543517
## 50	1	SITTING	0.27930326	-0.0205213830	-0.11323643
## 51	1	SITTING	0.27908720	-0.0190832420	-0.10588882
## 52	1	LAYING	0.40347433	-0.0150744040	-0.11816739
## 53	1	LAYING	0.27837321	-0.0205609640	-0.09682457
## 54	1	LAYING	0.27655526	-0.0178685500	-0.10762126
## 55	1	LAYING	0.27957476	-0.0172757220	-0.10948053
## 56	1	LAYING	0.27652699	-0.0168191000	-0.10798311
## 57	1	LAYING	0.27812334	-0.0171463030	-0.10801374
## 58	1	LAYING	0.27800654	-0.0178031700	-0.10896485
## 59	1	LAYING	0.28020640	-0.0183962600	-0.10748863
## 60	1	LAYING	0.28182774	-0.0186264740	-0.10527824
## 61	1	LAYING	0.27672941	-0.0172095480	-0.10563797
## 62	1	LAYING	0.27588359	-0.0161503090	-0.10882921
## 63	1	LAYING	0.27783021	-0.0176840540	-0.10570350
## 64	1	LAYING	0.27937115	-0.0176449530	-0.10818111
## 65	1	LAYING	0.01901615	-0.0070373566	-0.02833336
## 66	1	LAYING	0.34020850	-0.0364529840	-0.10625819
## 67	1	LAYING	-0.16642569	-0.1193525100	0.13303497
## 68	1	LAYING	-0.23910256	-0.0969043910	0.14803461
## 69	1	LAYING	0.34696848	0.0694086470	-0.20082552
## 70	1	LAYING	0.30383319	0.1036482000	-0.24533103
## 71	1	LAYING	-0.36120533	-0.2681211100	0.17689637
## 72	1	LAYING	-0.27706634	-0.6840965900	0.34665772
## 73	1	LAYING	0.25747650	-0.4138653400	0.01737419
## 74	1	LAYING	0.27683965	-0.0271476600	-0.12317480
## 75	1	LAYING	0.26865095	0.0164301540	-0.10372571
## 76	1	LAYING	0.28526329	-0.0088888110	-0.10374518
## 77	1	LAYING	0.28347732	-0.0075244582	-0.10928717
## 78	1	LAYING	0.27302712	-0.0101967570	-0.11115339
## 79	1	WALKING	0.28202157	-0.0376962180	-0.13489730
## 80	1	WALKING	0.25584075	-0.0645500290	-0.09518634
## 81	1	WALKING	0.25486723	0.0038147234	-0.12365809
## 82	1	WALKING	0.34337048	-0.0144462210	-0.16737697
## 83	1	WALKING	0.27623973	-0.0296384130	-0.14261631
## 84	1	WALKING	0.25546822	0.0212190630	-0.04894943
## 85	1	WALKING	0.32113983	0.0015817951	-0.04355370
## 86	1	WALKING	0.23466590	-0.0495477190	-0.11175723
## 87	1	WALKING	0.31263404	-0.0263677490	-0.13095121
## 88	1	WALKING	0.27691540	-0.0354862100	-0.08056918
## 89	1	WALKING	0.20530739	-0.0085082782	-0.11964696
## 90	1	WALKING	0.30699599	-0.0137869800	-0.18016197
## 91	1	WALKING	0.28151325	-0.0408008980	-0.13467496
## 92	1	WALKING	0.30388542	0.0027680377	-0.03861309

## 93	1	WALKING	0.35419290	-0.0125609350	-0.05868094
## 94	1	WALKING	0.22229785	-0.0186596830	-0.11718642
## 95	1	WALKING	0.21448125	0.0099387454	-0.12307300
## 96	1	WALKING	0.32731657	-0.0222558210	-0.14914390
## 97	1	WALKING	0.34905910	-0.0220037840	-0.15005217
## 98	1	WALKING	0.26468173	-0.0085919266	-0.10297373
## 99	1	WALKING	0.28431748	-0.0272058150	-0.21230304
## 100	1	WALKING	0.22172674	-0.0243769700	-0.07507641
## 101	1	WALKING	0.29097148	-0.0278104180	-0.04298254
## 102	1	WALKING	0.26108077	-0.0156356210	-0.10258842
## 103	1	WALKING	0.25242505	0.0062773455	-0.12518006
## 104	1	WALKING	0.35878664	-0.0169545050	-0.15477656
## 105	1	WALKING	0.25693500	-0.0105774010	-0.10544192
## 106	1	WALKING	0.29855414	0.0007944557	-0.04069567
## 107	1	WALKING	0.30804575	-0.0233004580	-0.07970154
## 108	1	WALKING	0.20356167	-0.0305052300	-0.13709513
## 109	1	WALKING	0.28056095	-0.0114246530	-0.15619795
## 110	1	WALKING	0.33216933	-0.0345858280	-0.15926922
## 111	1	WALKING	0.28703017	-0.0272399300	-0.11750002
## 112	1	WALKING	0.30159413	-0.0446530020	-0.08151395
## 113	1	WALKING	0.24608919	-0.0161754230	-0.11188336
## 114	1	WALKING	0.29272439	-0.0021398385	-0.14034852
## 115	1	WALKING	0.33156003	-0.0074950152	-0.13173868
## 116	1	WALKING	0.20201055	-0.0090379452	-0.07909586
## 117	1	WALKING	0.30363491	-0.0146567690	-0.04261383
## 118	1	WALKING	0.35919361	-0.0180797180	-0.07234686
## 119	1	WALKING	0.22442754	-0.0314643530	-0.12726298
## 120	1	WALKING	0.23995826	-0.0097107196	-0.12197022
## 121	1	WALKING	0.28972747	0.0153427200	-0.11667518
## 122	1	WALKING	0.30830537	-0.0198828450	-0.16044667
## 123	1	WALKING	0.32746543	-0.0356669600	-0.18182373
## 124	1	WALKING	0.23841102	-0.0231963890	-0.11255181
## 125	1	WALKING	0.18019430	-0.0177968460	-0.03934704
## 126	1	WALKING_DOWNSTAIRS	0.35845532	0.0179753850	-0.08415912
## 127	1	WALKING_DOWNSTAIRS	0.30171512	-0.0070493914	-0.09368145
## 128	1	WALKING_DOWNSTAIRS	0.28155172	-0.0161102890	-0.14009252
## 129	1	WALKING_DOWNSTAIRS	0.27395574	-0.0228992920	-0.12725614
## 130	1	WALKING_DOWNSTAIRS	0.29995717	0.0140821230	-0.08231040
## 131	1	WALKING_DOWNSTAIRS	0.26537379	-0.0171562110	-0.13877347
## 132	1	WALKING_DOWNSTAIRS	0.27763311	-0.0372675800	-0.10002093
## 133	1	WALKING_DOWNSTAIRS	0.26688016	-0.0023073023	-0.06372715
## 134	1	WALKING_DOWNSTAIRS	0.21070047	-0.0059687620	-0.10959150
## 135	1	WALKING_DOWNSTAIRS	0.28521305	-0.0202024590	-0.01102421
## 136	1	WALKING_DOWNSTAIRS	0.46994580	-0.0336241090	-0.14125420
## 137	1	WALKING_DOWNSTAIRS	0.23528441	-0.0145704670	-0.20841776
## 138	1	WALKING_DOWNSTAIRS	0.16691360	-0.0337328800	-0.13334869
## 139	1	WALKING_DOWNSTAIRS	0.44562097	-0.0119027090	-0.15116909
## 140	1	WALKING_DOWNSTAIRS	0.23179921	-0.0075220252	-0.05580101
## 141	1	WALKING_DOWNSTAIRS	0.28134949	-0.0007098312	-0.00869990
## 142	1	WALKING_DOWNSTAIRS	0.36248249	-0.0035526939	-0.18104462

## 143	1	WALKING_DOWNSTAIRS	0.43503687	-0.0065917495	-0.08290993
## 144	1	WALKING_DOWNSTAIRS	0.35119884	0.0218667280	-0.14942620
## 145	1	WALKING_DOWNSTAIRS	0.13046118	-0.0549969200	-0.13178649
## 146	1	WALKING_DOWNSTAIRS	0.31277629	-0.0504093730	-0.04302864
## 147	1	WALKING_DOWNSTAIRS	0.42595606	0.0245600000	-0.15095947
## 148	1	WALKING_DOWNSTAIRS	0.26749864	-0.0183194790	-0.16901282
## 149	1	WALKING_DOWNSTAIRS	0.15439416	0.0016045166	-0.01054862
## 150	1	WALKING_DOWNSTAIRS	0.20535149	-0.0038073578	-0.03262883
## 151	1	WALKING_UPSTAIRS	0.18360372	-0.0765587290	-0.04695610
## 152	1	WALKING_UPSTAIRS	0.27918273	-0.0369656770	-0.13360426
## 153	1	WALKING_UPSTAIRS	0.30116241	-0.0017592965	-0.10683037
## 154	1	WALKING_UPSTAIRS	0.29341097	-0.0187145180	-0.06615908
## 155	1	WALKING_UPSTAIRS	0.23030990	0.0021737117	-0.04310313
## 156	1	WALKING_UPSTAIRS	0.15851651	0.0042561454	-0.01877921
## 157	1	WALKING_UPSTAIRS	0.21524532	-0.0326280020	-0.11896558
## 158	1	WALKING_UPSTAIRS	0.27147742	-0.0307460910	-0.15623238
## 159	1	WALKING_UPSTAIRS	0.14085877	-0.0682617290	-0.07211572
## 160	1	WALKING_UPSTAIRS	0.23145946	-0.0133403120	-0.09236798
## 161	1	WALKING_UPSTAIRS	0.29569289	-0.0172910000	-0.09992782
## 162	1	WALKING_UPSTAIRS	0.34408292	-0.0196651590	-0.14195199
## 163	1	WALKING_UPSTAIRS	0.33299252	-0.0303122760	-0.11360054
## 164	1	WALKING_UPSTAIRS	0.31672153	-0.0239082550	-0.11075840
## 165	1	WALKING_UPSTAIRS	0.27425493	-0.0289537510	-0.15558324
## 166	1	WALKING_UPSTAIRS	0.26034404	-0.0336706900	-0.12730182
## 167	1	WALKING_UPSTAIRS	0.27771111	-0.0089315038	-0.08118135
## 168	1	WALKING_UPSTAIRS	0.22622757	-0.0537189430	-0.11252061
## 169	1	WALKING_UPSTAIRS	0.25960382	-0.0180971610	-0.11447381
## 170	1	WALKING_UPSTAIRS	0.34402821	-0.0358751280	-0.09423846
## 171	1	WALKING_UPSTAIRS	0.37052032	-0.0088810520	-0.15190137
## 172	1	WALKING_UPSTAIRS	0.27321360	-0.0125466310	-0.12786494
## 173	1	WALKING_UPSTAIRS	0.23124563	-0.0072225043	-0.03499555
## 174	1	WALKING_UPSTAIRS	0.25025528	0.0077234474	-0.05846276
## 175	1	WALKING_UPSTAIRS	0.23033751	-0.0218066970	-0.11877561
## 176	1	WALKING_UPSTAIRS	0.22969556	-0.0521657100	-0.11179085
## 177	1	STANDING	0.26076161	-0.0353706960	-0.13730782
##		NA	NA	NA	NA
## 1		-0.99527860	-0.983110610	-0.913526450	-0.9951120800
## 2		-0.99824528	-0.975300220	-0.960321990	-0.9988071900
## 3		-0.99537956	-0.967187010	-0.978943960	-0.9965199400
## 4		-0.99609149	-0.983402700	-0.990675100	-0.9970994700
## 5		-0.99813862	-0.980817270	-0.990481630	-0.9983211300
## 6		-0.99733496	-0.990486810	-0.995420030	-0.9976274000
## 7		-0.99692104	-0.967185930	-0.983117830	-0.9970026800
## 8		-0.99655926	-0.966728430	-0.981585330	-0.9964852500
## 9		-0.99732847	-0.961245320	-0.983671560	-0.9975957600
## 10		-0.99480344	-0.972758400	-0.986243870	-0.9954046200
## 11		-0.99481511	-0.973076920	-0.985357020	-0.9955092700
## 12		-0.99824595	-0.987213760	-0.992726590	-0.9982512700
## 13		-0.99913488	-0.984680040	-0.996274240	-0.9990765400
## 14		-0.99918834	-0.990526380	-0.993365010	-0.9992113500

## 15	-0.98864079	-0.816698600	-0.901906530	-0.9889579500	-0.794280420
## 16	-0.99683904	-0.974848120	-0.983385510	-0.9970938900	-0.973331930
## 17	-0.99694116	-0.981865620	-0.982576530	-0.9972199800	-0.981619640
## 18	-0.99769492	-0.987515670	-0.990407440	-0.9980143200	-0.987954480
## 19	-0.99749074	-0.993221970	-0.996127950	-0.9979030500	-0.992710720
## 20	-0.99781139	-0.990522300	-0.997621040	-0.9982052200	-0.989469830
## 21	-0.99790424	-0.994311290	-0.995951660	-0.9983651700	-0.993604470
## 22	-0.99776322	-0.989957270	-0.996585670	-0.9982908200	-0.989668700
## 23	-0.99786211	-0.990090760	-0.994592570	-0.9983334500	-0.989472660
## 24	-0.99838929	-0.987307840	-0.990831590	-0.9988685200	-0.986771310
## 25	-0.99853388	-0.988489010	-0.993183670	-0.9986743300	-0.988543920
## 26	-0.99805969	-0.986069830	-0.993424240	-0.9980591600	-0.985192390
## 27	-0.99925496	-0.993668880	-0.994188800	-0.9994065400	-0.993620140
## 28	-0.90429967	-0.181936540	-0.443150510	-0.9011001900	-0.110812680
## 29	-0.98291504	-0.891604890	-0.941438110	-0.9844178100	-0.891372960
## 30	-0.99281839	-0.940350410	-0.981492660	-0.9930923800	-0.936927060
## 31	-0.81470826	-0.749418000	-0.571898890	-0.8786815200	-0.776894630
## 32	-0.75839283	-0.586537350	-0.439110190	-0.7741181700	-0.555350300
## 33	-0.80863778	-0.572746190	-0.626415420	-0.8062129700	-0.533810700
## 34	-0.95650333	-0.838671550	-0.943009530	-0.9620059400	-0.844820830
## 35	-0.97737449	-0.963840530	-0.962505030	-0.9776306000	-0.959382050
## 36	-0.99385604	-0.993178700	-0.993470300	-0.9938780000	-0.992130860
## 37	-0.99607594	-0.995781520	-0.998221680	-0.9962868700	-0.996369950
## 38	-0.99557733	-0.994543850	-0.994543720	-0.9962383700	-0.994201250
## 39	-0.97995358	-0.866193410	-0.968290470	-0.9801787800	-0.882315870
## 40	-0.99078294	-0.935065150	-0.990721560	-0.9924978700	-0.928562620
## 41	-0.99546804	-0.984330220	-0.990995140	-0.9959775100	-0.982309370
## 42	-0.99439029	-0.984562780	-0.991985780	-0.9950502300	-0.984521950
## 43	-0.99550580	-0.981767480	-0.993473630	-0.9957063900	-0.980919070
## 44	-0.99501877	-0.970446310	-0.989266120	-0.9948176400	-0.965149780
## 45	-0.99474489	-0.979495660	-0.987961520	-0.9944187000	-0.977348990
## 46	-0.99587640	-0.989110700	-0.993413220	-0.9961413900	-0.988049090
## 47	-0.99664602	-0.982974820	-0.994797970	-0.9969497800	-0.981851780
## 48	-0.99642843	-0.984673120	-0.990682660	-0.9967377500	-0.983150670
## 49	-0.99588454	-0.988012930	-0.988425530	-0.9965430300	-0.986734080
## 50	-0.99584854	-0.980700750	-0.993403810	-0.9961011700	-0.979568750
## 51	-0.99572983	-0.978967230	-0.991394010	-0.9961042500	-0.976663000
## 52	-0.91481115	-0.895231120	-0.891748110	-0.9176958900	-0.924623540
## 53	-0.98488259	-0.991118370	-0.982111780	-0.9879845400	-0.990362280
## 54	-0.99419460	-0.996371660	-0.995615140	-0.9949011500	-0.996359920
## 55	-0.99613535	-0.995811560	-0.998689150	-0.9963933300	-0.995474490
## 56	-0.99677544	-0.997256360	-0.995421640	-0.9971668700	-0.997107660
## 57	-0.99492812	-0.998359050	-0.992011430	-0.9955863600	-0.998076620
## 58	-0.99442540	-0.994872630	-0.994885820	-0.9949387900	-0.993994210
## 59	-0.99647493	-0.994068760	-0.991861310	-0.9972949100	-0.994338380
## 60	-0.99628711	-0.992193940	-0.990204480	-0.9972546400	-0.992927090
## 61	-0.99478811	-0.991031320	-0.993187220	-0.9958898600	-0.990624880
## 62	-0.99551063	-0.995548040	-0.994000800	-0.9961503400	-0.995344130
## 63	-0.99614315	-0.995968750	-0.994888600	-0.9963750200	-0.995646340
## 64	-0.99523683	-0.995810090	-0.994430450	-0.9955146800	-0.995338140

## 65	-0.66129361	-0.713352570	-0.701155170	-0.6939481300	-0.706557510
## 66	-0.95859648	-0.908055820	-0.984669480	-0.9568549600	-0.898493850
## 67	-0.63313536	-0.189775030	-0.319336290	-0.6238043000	-0.199675260
## 68	-0.63732529	-0.127692220	-0.258924030	-0.6436421900	-0.138550810
## 69	-0.80390335	-0.741742190	-0.605382340	-0.8268896900	-0.745656360
## 70	-0.75599409	-0.642570640	-0.695500700	-0.7675366000	-0.709977800
## 71	-0.59939182	0.532505730	0.004324026	-0.6641077700	0.502260250
## 72	-0.59641047	0.024682958	-0.160404490	-0.6318195000	-0.068856732
## 73	-0.91966606	0.075259481	-0.630715630	-0.9379860900	0.176796470
## 74	-0.97739515	-0.587599880	-0.970670280	-0.9784380600	-0.607459050
## 75	-0.98569313	-0.895905440	-0.988195080	-0.9873943800	-0.887866750
## 76	-0.99549458	-0.979827840	-0.995419070	-0.9958019100	-0.978672650
## 77	-0.99458009	-0.986763770	-0.996093340	-0.9952371600	-0.986064880
## 78	-0.99312530	-0.990001000	-0.995408210	-0.9935888500	-0.989887510
## 79	-0.32828019	-0.137153390	-0.189085940	-0.4048749500	-0.176791410
## 80	-0.22920689	0.016506077	-0.260310880	-0.2767640800	0.009066466
## 81	-0.27515786	0.013079871	-0.284371310	-0.3413410900	-0.026013386
## 82	-0.22992354	0.173910770	-0.213387510	-0.2828821400	0.144693100
## 83	-0.22657692	0.164287920	-0.122544960	-0.2395259300	0.140286870
## 84	-0.22453699	0.022312942	-0.113196240	-0.2506240700	-0.021988287
## 85	-0.23395567	0.034774517	-0.161930470	-0.2829590100	0.017454252
## 86	-0.24708664	0.055164926	-0.208563330	-0.3046829900	0.042704090
## 87	-0.35309860	-0.017382150	-0.127807600	-0.3952737400	-0.054388800
## 88	-0.26294183	0.111277810	-0.212700270	-0.3098902400	0.089606796
## 89	-0.26070490	0.027917204	-0.226545700	-0.3167757100	-0.038486506
## 90	-0.23902985	0.072865343	-0.247204440	-0.2825458900	0.008007804
## 91	-0.20097415	0.132354110	-0.220234230	-0.2431469000	0.106020500
## 92	-0.16865626	0.190335730	-0.140472600	-0.2051336600	0.101144140
## 93	-0.20842457	0.234790710	-0.159262870	-0.2456039300	0.135868610
## 94	-0.22054434	0.169816570	-0.212305660	-0.2723703800	0.127240580
## 95	-0.20551618	0.106006200	-0.210924430	-0.2698898500	0.074272815
## 96	-0.24864532	0.133229130	-0.179546970	-0.3069787200	0.113994260
## 97	-0.30312548	0.152606810	-0.174297780	-0.3566175400	0.106512100
## 98	-0.36323752	0.036867249	-0.244158990	-0.4256245500	-0.055040698
## 99	-0.18344442	0.141075880	-0.225689410	-0.2490801900	0.110614270
## 100	-0.11171737	0.111130280	-0.221832560	-0.1588871100	0.074157967
## 101	-0.13937030	0.038038012	-0.266840560	-0.1721507800	0.005201146
## 102	-0.17123888	0.201236070	-0.261588730	-0.2175600500	0.131643400
## 103	-0.23722530	0.223488380	-0.229013430	-0.2867850200	0.125792150
## 104	-0.25146160	0.270054990	-0.185019170	-0.2850229800	0.203244760
## 105	-0.23004356	0.187334550	-0.164254910	-0.2729924300	0.122931900
## 106	-0.19810732	-0.004637693	-0.185038090	-0.2466450100	-0.062917298
## 107	-0.19869979	0.134321990	-0.177237230	-0.2532674700	0.084887372
## 108	-0.24696440	0.298557830	-0.205753020	-0.2995261500	0.265095340
## 109	-0.27398450	0.258437880	-0.225787540	-0.3134400300	0.215057890
## 110	-0.29396729	0.189680540	-0.225274630	-0.3350734100	0.171763840
## 111	-0.31223717	0.127000960	-0.252283100	-0.3646878700	0.097290871
## 112	-0.17845378	0.242833560	-0.144868240	-0.2505071800	0.177586190
## 113	-0.22179285	0.067040367	-0.301514260	-0.2755572300	0.037551292
## 114	-0.25253682	0.041978126	-0.275238890	-0.2905228400	-0.001825484

## 115	-0.24591692	0.102938160	-0.233075590	-0.2860120500	0.065638348
## 116	-0.22076970	0.123136240	-0.221638120	-0.2715876800	0.072741887
## 117	-0.21530926	0.120917310	-0.218659400	-0.2532279700	0.067138965
## 118	-0.26279787	0.057066065	-0.248016780	-0.3079562800	0.027468701
## 119	-0.39294444	-0.020678437	-0.263385580	-0.4561860700	-0.055806451
## 120	-0.37078412	-0.072025636	-0.301673750	-0.4386254300	-0.140122280
## 121	-0.36879989	-0.083343414	-0.263346660	-0.4236500100	-0.178758990
## 122	-0.43900010	0.003312783	-0.208537660	-0.4859813800	-0.063575034
## 123	-0.36722034	0.034414774	-0.194023350	-0.4183853900	0.012209581
## 124	-0.31993668	0.027333313	-0.181980570	-0.3692229300	0.012502610
## 125	-0.37654341	0.023526725	-0.247051580	-0.4339499600	-0.041913200
## 126	-0.17198789	-0.188332450	-0.399555310	-0.2184084500	-0.246540690
## 127	-0.04014287	-0.141421270	-0.325831320	-0.0799181410	-0.182830280
## 128	-0.09466535	-0.007347987	-0.347491670	-0.1510529900	-0.142693160
## 129	-0.13338240	0.132265210	-0.336173700	-0.2115938000	-0.051626454
## 130	0.06926842	0.057800324	-0.235050280	-0.0418055300	-0.111044750
## 131	0.12036221	0.083343662	-0.221983620	0.0320873530	-0.048226393
## 132	-0.02176042	-0.032132086	-0.196557910	-0.0951717030	-0.160153280
## 133	-0.04996636	-0.247403450	-0.258588910	-0.1042891500	-0.341029860
## 134	-0.06421528	-0.202139040	-0.327663820	-0.1093601400	-0.302248680
## 135	0.12298877	0.081945720	0.049997153	0.0507690970	0.012863203
## 136	0.11546276	0.019113399	-0.034471360	0.0964744150	-0.082700007
## 137	0.09908960	0.300734700	-0.206496700	0.0519184250	0.068505255
## 138	0.05291009	0.265724520	-0.212712620	-0.0342287120	0.088087162
## 139	0.11820941	-0.051036543	-0.146922090	0.0724043040	-0.112394770
## 140	0.06368904	-0.017154892	-0.230357820	0.0001983481	-0.073383474
## 141	0.14664050	-0.157608040	-0.240120180	0.0611308470	-0.185350360
## 142	0.24954917	-0.211857110	-0.169262290	0.1813237200	-0.270562240
## 143	0.07845129	-0.098710248	-0.264045640	0.0463048800	-0.135872760
## 144	0.07617469	-0.100486840	-0.298087420	0.0447809420	-0.118499520
## 145	-0.10749685	0.106557650	-0.227501210	-0.1930328600	0.031338172
## 146	0.02628482	0.168277860	-0.186199530	-0.0746345550	0.090838808
## 147	0.09923964	-0.038196632	-0.272499050	-0.0061015318	-0.083141371
## 148	-0.04124829	-0.134212510	-0.310535480	-0.1255060200	-0.150170830
## 149	-0.02364854	-0.197488060	-0.291800710	-0.0808482990	-0.198536090
## 150	0.01930472	-0.229625310	-0.307646050	-0.0591499970	-0.268221010
## 151	-0.36751584	-0.099160728	0.020546431	-0.4127290700	-0.107322870
## 152	-0.35903189	-0.124112250	-0.102867760	-0.3942299000	-0.120456400
## 153	-0.36266589	0.001220042	-0.111537770	-0.4008372200	-0.001549374
## 154	-0.36815735	0.095662930	-0.019262368	-0.4305790900	0.108432320
## 155	-0.33525447	-0.020443574	0.031209990	-0.3989848200	-0.039489432
## 156	-0.40602178	-0.083613613	-0.012498101	-0.4667634100	-0.101566870
## 157	-0.40674365	-0.068915080	0.025753713	-0.4562998500	-0.053195878
## 158	-0.34169859	-0.152998560	0.021435303	-0.3803102000	-0.143961400
## 159	-0.23449858	-0.079448995	-0.033663540	-0.2973628500	-0.067637282
## 160	-0.31679100	-0.114259960	-0.071216960	-0.3488660200	-0.099204791
## 161	-0.35712019	0.041165280	-0.091122383	-0.3685297900	0.026051281
## 162	-0.36118484	0.019695865	-0.100724840	-0.3837373900	0.021786895
## 163	-0.42752783	-0.121213880	-0.090093246	-0.4673711700	-0.086933890
## 164	-0.42147434	-0.005497985	-0.017909026	-0.4617745000	0.049677113

## 165	-0.39644844	-0.096768344	-0.038192465	-0.4478273900	-0.073059471
## 166	-0.43384531	-0.237681500	-0.073172704	-0.4917180300	-0.242244780
## 167	-0.45755795	-0.209564240	0.007230816	-0.5092149900	-0.196811250
## 168	-0.35092567	-0.009298234	0.007788298	-0.3989858900	0.047077501
## 169	-0.35222794	0.048864663	-0.078109362	-0.4087199600	0.066438692
## 170	-0.39707126	0.167605700	-0.045335084	-0.4352063400	0.163309800
## 171	-0.44266976	0.120901210	0.057691449	-0.4813363600	0.115341900
## 172	-0.44615460	0.009590231	-0.031257360	-0.4884530800	0.022077931
## 173	-0.47091075	0.011840328	-0.055521071	-0.5327955500	-0.010658694
## 174	-0.38835593	-0.029383066	0.054298832	-0.4780865300	-0.053467542
## 175	-0.36143839	-0.147811890	-0.022630007	-0.4441045600	-0.129612070
## 176	-0.34368292	-0.170388440	-0.051609335	-0.4171838100	-0.189246460
## 177	-0.97372342	-0.929149900	-0.875000580	-0.9737571400	-0.920028550
##	NA	NA	NA	NA	NA
## 1	-0.923527020	-0.9347237800	-0.567378070	-0.7444125300	0.852947380
## 2	-0.957686220	-0.9430675100	-0.557851260	-0.8184086900	0.849307870
## 3	-0.977468590	-0.9386915500	-0.557851260	-0.8184086900	0.843608950
## 4	-0.989302500	-0.9386915500	-0.576158890	-0.8297114500	0.843608950
## 5	-0.990441130	-0.9424691200	-0.569173850	-0.8247052900	0.849095120
## 6	-0.995548900	-0.9424691200	-0.565683890	-0.8227661400	0.849095120
## 7	-0.983116270	-0.9409866300	-0.565683890	-0.8171890200	0.851040220
## 8	-0.982981760	-0.9409866300	-0.572638240	-0.8171890200	0.850327780
## 9	-0.984379280	-0.9405975800	-0.564175050	-0.8235269300	0.850327780
## 10	-0.985641950	-0.9400275100	-0.554593690	-0.8158503700	0.845442410
## 11	-0.985172470	-0.9400275100	-0.554593690	-0.8158503700	0.845442410
## 12	-0.993181880	-0.9439057800	-0.571422140	-0.8206949300	0.850532270
## 13	-0.996410310	-0.9439057800	-0.569704190	-0.8250336900	0.852068580
## 14	-0.992167530	-0.9433228600	-0.569357470	-0.8225147000	0.852034940
## 15	-0.888014600	-0.9259766900	-0.448465740	-0.7305788100	0.848666480
## 16	-0.984065350	-0.9417158000	-0.570939160	-0.8176345500	0.848666480
## 17	-0.981336040	-0.9417158000	-0.563499580	-0.8242149000	0.852573030
## 18	-0.992190120	-0.9420759800	-0.563499580	-0.8158917600	0.849851450
## 19	-0.996491820	-0.9448701200	-0.575091030	-0.8158917600	0.847154080
## 20	-0.997193030	-0.9456616300	-0.573341830	-0.8265822500	0.847154080
## 21	-0.995594810	-0.9414724200	-0.572958160	-0.8200225900	0.851612940
## 22	-0.996700450	-0.9414724200	-0.572958160	-0.8175196500	0.849686270
## 23	-0.994484510	-0.9445667200	-0.575287830	-0.8175196500	0.849686270
## 24	-0.989637390	-0.9436751900	-0.567803370	-0.8254370200	0.850015180
## 25	-0.993287180	-0.9425588300	-0.563869220	-0.8153987900	0.852528930
## 26	-0.995017880	-0.9425588300	-0.563869220	-0.8153987900	0.850440260
## 27	-0.993582950	-0.9428896100	-0.575869110	-0.8226647200	0.850440260
## 28	-0.400599350	-0.9318957800	0.042098681	-0.3365258000	0.716476230
## 29	-0.933360720	-0.9318957800	-0.499536810	-0.8246997200	0.826365550
## 30	-0.980669100	-0.9353890000	-0.565254760	-0.8225317300	0.847724930
## 31	-0.700709780	-0.7371515500	-0.318401870	-0.4733339900	0.503460780
## 32	-0.438735760	-0.7371515500	-0.212994260	-0.4733339900	0.503460780
## 33	-0.579393590	-0.9160637600	-0.212994260	-0.4804685000	0.566315760
## 34	-0.937194660	-0.9160637600	-0.438882930	-0.8171954400	0.801035790
## 35	-0.962253960	-0.9168252700	-0.571742320	-0.8200979800	0.842807570
## 36	-0.992788140	-0.9416171000	-0.571742320	-0.8200979800	0.842807570

## 37	-0.999036490	-0.9416171000	-0.570089420	-0.8236984500	0.850614610
## 38	-0.995407310	-0.9383115100	-0.570089420	-0.8236984500	0.850257810
## 39	-0.966096710	-0.9396369300	-0.519270860	-0.8235697100	0.813490010
## 40	-0.989584340	-0.9396369300	-0.519270860	-0.8235697100	0.833143080
## 41	-0.990283570	-0.9397887700	-0.568504610	-0.8213577600	0.845300680
## 42	-0.992617050	-0.9397887700	-0.564743100	-0.8213577600	0.845300680
## 43	-0.994863680	-0.9401202200	-0.564130640	-0.8224441100	0.848331980
## 44	-0.990246360	-0.9417154100	-0.564130640	-0.8235512900	0.848331980
## 45	-0.987604100	-0.9417154100	-0.570740220	-0.8235512900	0.848529040
## 46	-0.991539110	-0.9420120000	-0.566788550	-0.8261857700	0.847329500
## 47	-0.993457740	-0.9432431000	-0.566788550	-0.8257327200	0.847329500
## 48	-0.989338010	-0.9385725700	-0.569514770	-0.8204324100	0.846667510
## 49	-0.987736830	-0.9385725700	-0.569514770	-0.8204324100	0.846667510
## 50	-0.992913110	-0.9406837300	-0.570810470	-0.8246120900	0.849829470
## 51	-0.990588290	-0.9406837300	-0.566905440	-0.8193624700	0.844072430
## 52	-0.905894780	-0.7851039800	-0.410291660	-0.8004062900	0.841586140
## 53	-0.982189340	-0.9200511900	-0.573826870	-0.8004062900	0.841586140
## 54	-0.996627960	-0.9401639500	-0.573826870	-0.8201739400	0.844236910
## 55	-0.999005930	-0.9407731700	-0.575937160	-0.8259857700	0.850636120
## 56	-0.995739290	-0.9426726600	-0.575937160	-0.8192191300	0.847618060
## 57	-0.992590500	-0.9389740700	-0.577415620	-0.8138633200	0.847618060
## 58	-0.995450350	-0.9389740700	-0.577030730	-0.8138633200	0.846921770
## 59	-0.993439600	-0.9394526400	-0.574285500	-0.8078055100	0.846921770
## 60	-0.990996030	-0.9384491400	-0.573645970	-0.8078055100	0.845595680
## 61	-0.992794740	-0.9334585100	-0.573645970	-0.8183335500	0.845595680
## 62	-0.993878990	-0.9334585100	-0.574599090	-0.8183335500	0.846621610
## 63	-0.993973740	-0.9398813900	-0.575722000	-0.8224322900	0.850248230
## 64	-0.993719970	-0.9392213100	-0.576552800	-0.8246384000	0.849828640
## 65	-0.755421840	-0.8912835600	-0.373852040	-0.4512786700	0.251271490
## 66	-0.987138760	-0.8912835600	-0.556878860	-0.7970235100	0.840566450
## 67	-0.281088290	-0.9252079800	-0.241482210	-0.1209846700	0.263374020
## 68	-0.239633710	-0.8781488500	-0.241482210	-0.1209846700	0.263374020
## 69	-0.602669170	-0.8305606600	-0.332202620	-0.5283689700	0.598463850
## 70	-0.730463830	-0.7170811100	-0.182863750	-0.5603330800	0.574444060
## 71	0.048471827	-0.7170811100	-0.182863750	0.3154529700	0.022281712
## 72	-0.235159590	-0.8662961700	-0.249046540	0.3154529700	0.022281712
## 73	-0.613510330	-0.8662961700	-0.507343670	-0.4358277400	0.666418970
## 74	-0.967884490	-0.9204858500	-0.489785360	-0.8154626100	0.826782390
## 75	-0.988504870	-0.9299429300	-0.489785360	-0.8131266500	0.826782390
## 76	-0.995500680	-0.9377540600	-0.559911090	-0.8131266500	0.849950730
## 77	-0.996124180	-0.9377540600	-0.561409280	-0.8226049000	0.847850970
## 78	-0.994164880	-0.9365102200	-0.563324030	-0.8275369300	0.844619640
## 79	-0.199473780	-0.1547310000	-0.203759020	-0.1307524100	0.112070170
## 80	-0.287366860	-0.1547310000	-0.173983070	-0.1566268600	0.112070170
## 81	-0.320272030	-0.1755590400	-0.156809270	-0.1566268600	0.213171060
## 82	-0.237987500	-0.1527728200	-0.057800295	-0.2653815200	0.200085300
## 83	-0.148616890	-0.1527728200	-0.057800295	-0.1174760000	0.200085300
## 84	-0.099186333	-0.0734760940	-0.118225030	-0.0539080690	0.255051240
## 85	-0.140619330	-0.0734760940	-0.102133540	-0.0539080690	0.135622070
## 86	-0.204493450	-0.2092908900	-0.102133540	-0.1769860900	0.094155299

## 87	-0.095763059	-0.2903971600	-0.145546450	-0.1931565700	0.280536250
## 88	-0.233325980	-0.0685826050	-0.173888530	-0.1266541200	0.280536250
## 89	-0.251813910	-0.0685826050	-0.175343790	-0.1266541200	0.193931500
## 90	-0.261673890	-0.0912851760	-0.175343790	-0.2648770800	0.193931500
## 91	-0.241255640	-0.0912851760	-0.176214660	-0.2433105900	0.208489930
## 92	-0.120572420	-0.0008184209	-0.131933780	-0.1427280300	0.208489930
## 93	-0.128342800	-0.0008184209	-0.110456750	-0.1427280300	0.210525780
## 94	-0.196417170	-0.0749923020	0.043212402	-0.2524118600	0.159917060
## 95	-0.193725710	-0.0749923020	0.043212402	-0.2951200100	0.092366377
## 96	-0.159711890	-0.1149533900	-0.161677630	-0.2951200100	0.092366377
## 97	-0.141309140	-0.1780667800	0.022505371	-0.3439625100	0.207532850
## 98	-0.243230000	-0.2783284200	0.022505371	-0.1508064500	0.207532850
## 99	-0.221008680	0.0325220480	-0.066869228	-0.2734258900	0.090544446
## 100	-0.212427900	0.0325220480	-0.174265910	-0.2340191700	0.090544446
## 101	-0.259048850	0.0227368690	-0.174265910	-0.2340191700	0.092534401
## 102	-0.287320210	0.0227368690	-0.104127740	-0.1677339800	0.153241700
## 103	-0.257275910	-0.0663636860	-0.104127740	-0.1677339800	0.153241700
## 104	-0.202139300	-0.1585172600	0.172254240	-0.1773319000	0.161462270
## 105	-0.164820370	-0.1100105800	0.172254240	-0.1773319000	0.161462270
## 106	-0.139328360	-0.0191534760	-0.137662100	-0.3133307900	0.247951170
## 107	-0.164884920	-0.0191534760	-0.145096290	-0.1473044300	0.165534010
## 108	-0.245873370	-0.0859145260	-0.092162279	-0.1473044300	0.165534010
## 109	-0.239659800	-0.2130472200	-0.080235853	-0.2374846400	0.251780350
## 110	-0.231292200	-0.1988421800	-0.080235853	-0.2679153700	0.251780350
## 111	-0.259277380	-0.1988421800	-0.101380760	-0.2679153700	0.309447810
## 112	-0.147375440	0.1478701200	0.083004068	-0.1796726900	-0.014497572
## 113	-0.314204230	0.0323522400	-0.056035069	-0.2952291300	0.218593940
## 114	-0.282408270	0.0323522400	-0.113900900	-0.3396125100	0.268900780
## 115	-0.254474310	-0.0037115193	-0.113900900	-0.2625206500	0.272937160
## 116	-0.210426570	-0.1194853700	-0.104988760	-0.2381415600	0.237812840
## 117	-0.178174740	-0.1194853700	-0.100184450	-0.2221737600	0.120059240
## 118	-0.240457000	-0.1608592200	-0.100184450	-0.1623453500	0.120059240
## 119	-0.298589620	-0.2524977000	-0.176628930	-0.1623453500	0.177313240
## 120	-0.311927960	-0.1930890900	-0.169514280	-0.2371132900	0.094598858
## 121	-0.277213280	-0.1930890900	0.084097764	-0.0998753580	0.094598858
## 122	-0.223715270	-0.1809480800	0.084097764	-0.0998753580	0.325593050
## 123	-0.196416420	-0.0501307170	0.003359421	-0.1679128000	0.324958490
## 124	-0.190036230	-0.0501307170	0.003359421	-0.1679128000	0.263273250
## 125	-0.242823650	-0.2291594700	-0.118677530	-0.2268948400	0.109909370
## 126	-0.363534790	0.2442249400	-0.077151742	-0.5013617700	0.225643140
## 127	-0.281561800	0.1996760100	-0.121837960	-0.5158285600	0.212703980
## 128	-0.315866430	0.1996760100	-0.034023846	-0.5158285600	0.212703980
## 129	-0.318214360	0.3363504900	-0.034023846	-0.3725180600	0.210398270
## 130	-0.209609220	0.5314906300	0.103553510	-0.2715937600	0.153315970
## 131	-0.186744950	0.5314906300	0.103553510	-0.2715937600	0.153315970
## 132	-0.150903880	0.4288109700	-0.204003930	-0.4038229300	0.322584310
## 133	-0.240102340	0.4288109700	-0.167198700	-0.4038229300	0.067419025
## 134	-0.325643420	0.1586783400	-0.167198700	-0.3708848500	0.067419025
## 135	-0.014688400	0.5445119800	-0.131463990	-0.1267080400	0.060543611
## 136	-0.048396212	0.5445119800	-0.034346562	-0.2250395800	0.072793049

## 137	-0.186606190	0.3996593800	-0.004119991	-0.2126197400	0.072793049
## 138	-0.165376500	0.4121196700	-0.004119991	-0.2126197400	0.113783620
## 139	-0.066237734	0.4603322600	-0.141348800	-0.3255981900	0.113783620
## 140	-0.182779150	0.4603322600	-0.045989902	-0.3255981900	-0.042975331
## 141	-0.230891200	0.6364078900	-0.045989902	-0.2618154600	-0.042975331
## 142	-0.144910920	0.6364078900	-0.082590017	-0.2618154600	-0.186297470
## 143	-0.236600480	0.1248593300	-0.159407170	-0.4009151300	-0.080068708
## 144	-0.262092080	0.3456974600	-0.159407170	-0.4009151300	-0.047336394
## 145	-0.239703890	0.3456974600	-0.177330140	-0.0003026163	-0.047336394
## 146	-0.161996270	0.3432398600	0.008622833	-0.0003026163	-0.002160725
## 147	-0.219161720	0.3432398600	0.008622833	-0.3213664200	-0.083023253
## 148	-0.276276370	0.1843531700	-0.075418581	-0.2770793200	-0.083023253
## 149	-0.261083670	0.1548170400	-0.179786360	-0.2770793200	-0.145450480
## 150	-0.256730550	0.1597298200	-0.179786360	-0.3849030100	-0.145450480
## 151	0.087381154	-0.2209385000	-0.156306180	-0.1734842900	0.145239960
## 152	-0.027792432	-0.3191361300	-0.156306180	-0.2850892500	0.145239960
## 153	-0.028194046	-0.2695178100	-0.186506440	-0.2907416500	0.237048120
## 154	0.027044075	-0.1698481800	-0.046241968	-0.1123823100	0.288252910
## 155	0.097693296	-0.1698481800	-0.046241968	-0.1123823100	0.183689080
## 156	0.094817271	-0.2329470900	-0.172488350	-0.1748224500	0.183689080
## 157	0.089389785	-0.2329470900	-0.155299250	-0.1012032800	0.074915972
## 158	0.051974091	-0.1609324100	-0.155299250	-0.1012032800	0.074915972
## 159	-0.003288865	-0.0843499270	-0.140584060	-0.1489671300	0.068893691
## 160	-0.019111858	-0.0843499270	-0.140584060	-0.2494309300	0.183545320
## 161	-0.046491370	-0.2501009600	-0.103696640	-0.2637468100	0.299718360
## 162	-0.066112412	-0.2151169500	-0.103696640	-0.2188592200	0.336163850
## 163	-0.034332956	-0.2151169500	-0.119477710	-0.2188592200	0.263159030
## 164	0.065574401	-0.1978664300	-0.119477710	-0.2413949200	0.263159030
## 165	0.010030572	-0.1978664300	-0.211335560	-0.2413949200	0.292039230
## 166	-0.051791478	-0.2742241900	-0.215837290	-0.1997045100	0.292039230
## 167	0.068844658	-0.4092425900	-0.215837290	-0.1997045100	0.311494540
## 168	0.023588898	-0.0611878210	-0.092216233	-0.0572545590	0.258156120
## 169	-0.034318676	-0.0611878210	-0.092216233	-0.2034331000	0.258156120
## 170	-0.013183113	-0.1143630700	-0.080474276	-0.1553401500	0.336579930
## 171	0.096208498	-0.2494750700	-0.010268523	-0.1553401500	0.392471290
## 172	0.017644308	-0.2494750700	-0.010268523	-0.2247580000	0.291196440
## 173	0.008757936	-0.1330914700	-0.018965860	-0.0696922770	0.291196440
## 174	0.101209930	-0.0819144360	-0.018965860	-0.0696922770	0.212277060
## 175	-0.001755883	-0.0075010747	-0.247433040	-0.0826108350	0.212277060
## 176	0.005103513	0.0807192740	-0.248092770	-0.2628381600	0.216132190
## 177	-0.885369010	-0.9371733900	-0.555058400	-0.7171582000	0.821181900
##	NA	NA	NA	NA	NA
## 1	0.68584458	0.81426278	-0.965522790	-0.9999446	-0.999863030
## 2	0.68584458	0.82263681	-0.981930110	-0.9999913	-0.999788380
## 3	0.68240094	0.83934417	-0.983477770	-0.9999691	-0.999659870
## 4	0.68240094	0.83786929	-0.986093280	-0.9999755	-0.999736000
## 5	0.68324978	0.83786929	-0.992653110	-0.9999906	-0.999855880
## 6	0.69558572	0.84592156	-0.993927700	-0.9999855	-0.999856990
## 7	0.67434716	0.83359122	-0.986836710	-0.9999818	-0.999658340
## 8	0.67041013	0.83238324	-0.976851420	-0.9999798	-0.999341070

## 9	0.67041013	0.83238324	-0.983295070	-0.9999854	-0.999527830	-0.9994260
## 10	0.68475694	0.83845531	-0.986540740	-0.9999628	-0.999661710	-0.9997179
## 11	0.68475694	0.83845531	-0.987882600	-0.9999647	-0.999723880	-0.9996665
## 12	0.68652760	0.84601343	-0.994623600	-0.9999911	-0.999886490	-0.9998790
## 13	0.68652760	0.84601343	-0.995116080	-0.9999963	-0.999877260	-0.9999189
## 14	0.69264730	0.84634960	-0.996564090	-0.9999967	-0.999935980	-0.9998887
## 15	0.68064999	0.83820463	-0.903805530	-0.9998037	-0.989399810	-0.9911975
## 16	0.68064999	0.83820463	-0.984401950	-0.9999814	-0.999720990	-0.9993663
## 17	0.68889470	0.83839767	-0.989296070	-0.9999822	-0.999858070	-0.9995147
## 18	0.69387601	0.83839767	-0.994906530	-0.9999866	-0.999903770	-0.9998227
## 19	0.69259112	0.84722607	-0.998142860	-0.9999866	-0.999963180	-0.9999440
## 20	0.69259112	0.84750921	-0.997418060	-0.9999879	-0.999946500	-0.9999566
## 21	0.69476646	0.84750921	-0.998101070	-0.9999893	-0.999957700	-0.9999417
## 22	0.68945922	0.84986038	-0.997651210	-0.9999884	-0.999941000	-0.9999489
## 23	0.68945922	0.84137235	-0.995625270	-0.9999883	-0.999912630	-0.9999074
## 24	0.69190301	0.84137235	-0.995125550	-0.9999918	-0.999920070	-0.9998368
## 25	0.69354066	0.84726168	-0.994401500	-0.9999897	-0.999881400	-0.9998450
## 26	0.69188515	0.84156459	-0.995654540	-0.9999899	-0.999897410	-0.9998891
## 27	0.69127318	0.84156459	-0.998241990	-0.9999964	-0.999966690	-0.9999052
## 28	0.65581306	0.80898559	-0.536972890	-0.9914736	-0.793222920	-0.8142862
## 29	0.65581306	0.80898559	-0.932711740	-0.9997627	-0.996611660	-0.9955748
## 30	0.66274101	0.83760928	-0.976273490	-0.9999427	-0.999086000	-0.9995797
## 31	0.66074284	0.56843660	-0.806564850	-0.9815261	-0.982399810	-0.9139550
## 32	0.66074284	0.56843660	-0.456423630	-0.9494491	-0.899421390	-0.8290030
## 33	0.68182878	0.80528959	-0.578948430	-0.9669935	-0.911417130	-0.9111721
## 34	0.67680924	0.80528959	-0.911972110	-0.9987354	-0.994145050	-0.9950998
## 35	0.67680924	0.81998135	-0.970097120	-0.9996133	-0.999527320	-0.9987467
## 36	0.69495193	0.84887263	-0.994365200	-0.9999463	-0.999951600	-0.9998897
## 37	0.69495193	0.84887263	-0.998606430	-0.9999751	-0.999980410	-0.9999736
## 38	0.69609189	0.84248372	-0.997548970	-0.9999714	-0.999971610	-0.9999155
## 39	0.61497281	0.82462455	-0.929803510	-0.9993852	-0.994967950	-0.9987982
## 40	0.69578249	0.84388289	-0.972195390	-0.9999144	-0.997942600	-0.9998334
## 41	0.68978423	0.84388289	-0.992114390	-0.9999676	-0.999890170	-0.9998275
## 42	0.68819188	0.83996554	-0.992597950	-0.9999605	-0.999884060	-0.9998632
## 43	0.68819188	0.83996554	-0.990729040	-0.9999675	-0.999773530	-0.9998944
## 44	0.68743749	0.83576201	-0.986971800	-0.9999662	-0.999719340	-0.9997716
## 45	0.68743749	0.83576201	-0.989036070	-0.9999639	-0.999827590	-0.9997575
## 46	0.69343071	0.84604695	-0.992144270	-0.9999706	-0.999870580	-0.9998875
## 47	0.68862147	0.84630959	-0.993628140	-0.9999803	-0.999877900	-0.9999176
## 48	0.68862147	0.84630959	-0.993017500	-0.9999788	-0.999896310	-0.9998289
## 49	0.69277077	0.84349892	-0.991802410	-0.9999717	-0.999897990	-0.9997690
## 50	0.68652617	0.84349892	-0.991304280	-0.9999734	-0.999834550	-0.9998572
## 51	0.68652617	0.84576881	-0.990811060	-0.9999726	-0.999828420	-0.9998418
## 52	0.64041374	0.75883118	-0.904895490	-0.9928372	-0.997508100	-0.9932045
## 53	0.69019753	0.84273468	-0.986603760	-0.9998215	-0.999929810	-0.9994139
## 54	0.69242714	0.84273468	-0.997546780	-0.9999585	-0.999982630	-0.9999351
## 55	0.69248940	0.84496832	-0.998675720	-0.9999756	-0.999980570	-0.9999862
## 56	0.69485529	0.84496832	-0.998741240	-0.9999812	-0.999987880	-0.9999321
## 57	0.69248521	0.84642265	-0.997291590	-0.9999658	-0.999993220	-0.9998638
## 58	0.69146754	0.84642265	-0.996636850	-0.9999609	-0.999974540	-0.9999215

## 59	0.68809863	0.84568916	-0.997101980	-0.9999777	-0.999967700	-0.9998597
## 60	0.68809863	0.84568916	-0.995754000	-0.9999740	-0.999954470	-0.9998101
## 61	0.69064738	0.84568719	-0.995338490	-0.9999644	-0.999950280	-0.9998781
## 62	0.69403351	0.84568719	-0.997111900	-0.9999705	-0.999977400	-0.9999046
## 63	0.69403351	0.84748043	-0.997367340	-0.9999765	-0.999980920	-0.9999122
## 64	0.69480408	0.84827034	-0.996767080	-0.9999680	-0.999980130	-0.9999134
## 65	0.62851296	0.82389085	-0.716353580	-0.9281152	-0.983134580	-0.9474955
## 66	0.64503959	0.83286288	-0.943011510	-0.9981802	-0.997371380	-0.9996763
## 67	0.09490725	0.65067851	-0.467347200	-0.8919004	-0.853596740	-0.7033182
## 68	0.09490725	0.65067851	-0.301045490	-0.8793803	-0.840912330	-0.6541897
## 69	0.60982627	0.68917794	-0.640409750	-0.9790891	-0.972867060	-0.9141120
## 70	0.50463775	0.63477766	-0.596274090	-0.9692435	-0.948120300	-0.9276806
## 71	-0.51352667	0.46493267	0.009812189	-0.8364375	-0.435339890	-0.4280870
## 72	-0.51352667	0.46493267	0.274770380	-0.8554493	0.004366233	-0.3769169
## 73	0.01556461	0.82678325	-0.431068890	-0.9963669	-0.493116230	-0.9122025
## 74	0.43482983	0.82678325	-0.876054380	-0.9996488	-0.965986980	-0.9988813
## 75	0.69347377	0.83982133	-0.957095450	-0.9998209	-0.995515120	-0.9997445
## 76	0.69347377	0.84833835	-0.989544160	-0.9999591	-0.999722680	-0.9999015
## 77	0.69762776	0.84539717	-0.990374430	-0.9999555	-0.999749400	-0.9999431
## 78	0.69269801	0.84539717	-0.991160620	-0.9999432	-0.999855820	-0.9999200
## 79	0.15669144	0.41137698	-0.215440880	-0.7730649	-0.854761990	-0.7020233
## 80	0.12274328	0.41137698	-0.122735700	-0.7015888	-0.796130450	-0.7517358
## 81	0.12274328	0.44828835	-0.161977710	-0.7359010	-0.800720650	-0.7671751
## 82	0.07358484	0.38456178	-0.063473349	-0.7013638	-0.734191260	-0.7151081
## 83	0.05239311	0.36207499	-0.020750206	-0.6996558	-0.738225830	-0.6516491
## 84	0.05239311	0.36207499	-0.049866654	-0.6979802	-0.795262460	-0.6409019
## 85	0.15348790	0.41833620	-0.077454350	-0.7049459	-0.792373400	-0.6770720
## 86	0.10959213	0.36118826	-0.101384630	-0.7149169	-0.782954360	-0.7168641
## 87	-0.02305703	0.39875442	-0.148595910	-0.7891772	-0.813001520	-0.6566977
## 88	-0.02305703	0.47103177	-0.106408810	-0.7270851	-0.760975650	-0.7186393
## 89	0.06192051	0.44933141	-0.133331540	-0.7243844	-0.795578690	-0.7291554
## 90	0.07793456	0.38524718	-0.104773030	-0.7090227	-0.777616640	-0.7357045
## 91	0.04994565	0.38524718	-0.063314299	-0.6795539	-0.751526730	-0.7239774
## 92	-0.26602514	0.41204260	-0.001055331	-0.6531175	-0.726064680	-0.6599858
## 93	-0.26602514	0.41204260	-0.022468802	-0.6842913	-0.706129370	-0.6776426
## 94	0.01085331	0.40025118	-0.053494999	-0.6943638	-0.736035220	-0.7193823
## 95	0.07643325	0.40025118	-0.056379852	-0.6823687	-0.762497790	-0.7182126
## 96	0.07643325	0.42173551	-0.068276892	-0.7159603	-0.752109000	-0.6937207
## 97	-0.03123712	0.42173551	-0.095751198	-0.7548387	-0.743640880	-0.6897870
## 98	-0.03123712	0.42478312	-0.202498030	-0.7958969	-0.792043090	-0.7412388
## 99	-0.02955400	0.29244527	-0.044668533	-0.6654109	-0.748559850	-0.7128115
## 100	-0.02955400	0.43593574	-0.011597699	-0.6037691	-0.761550450	-0.7244772
## 101	0.05328024	0.43974894	-0.056920865	-0.6284922	-0.791504400	-0.7499626
## 102	-0.32877705	0.43974894	-0.049153661	-0.6553419	-0.721789900	-0.7527790
## 103	-0.32877705	0.46632037	-0.070727463	-0.7076966	-0.710490730	-0.7306137
## 104	-0.18790104	0.36563093	-0.043306159	-0.7172401	-0.689283880	-0.6969557
## 105	-0.18790104	0.36563093	-0.045108240	-0.7022418	-0.728065470	-0.6849633
## 106	0.10262708	0.39489952	-0.075059617	-0.6771773	-0.807747180	-0.6934129
## 107	0.02419919	0.39489952	-0.054231809	-0.6775532	-0.751613720	-0.6932936
## 108	-0.16290617	0.40683418	-0.042613154	-0.7140928	-0.674971390	-0.7136866

## 109	-0.16290617	0.43603360	-0.060869031	-0.7351527	-0.694839040	-0.7254435
## 110	-0.01070852	0.44651917	-0.089186604	-0.7488488	-0.726528290	-0.7246439
## 111	-0.01070852	0.45319139	-0.136891450	-0.7621528	-0.754665310	-0.7465708
## 112	-0.11356479	0.36811424	-0.023573535	-0.6612234	-0.700994190	-0.6694212
## 113	-0.08873174	0.46296125	-0.112216950	-0.6957504	-0.780020940	-0.7782646
## 114	0.12318129	0.43468713	-0.118343390	-0.7193249	-0.789735330	-0.7601723
## 115	0.08322802	0.43468713	-0.093483447	-0.7138206	-0.764947770	-0.7329919
## 116	-0.04471410	0.42944109	-0.068212129	-0.6940048	-0.756394580	-0.7247132
## 117	-0.04471410	0.42944109	-0.057009540	-0.6907541	-0.757454310	-0.7175503
## 118	0.04733612	0.44194523	-0.121883830	-0.7256381	-0.784076300	-0.7419523
## 119	0.13697205	0.37431264	-0.235433940	-0.8138358	-0.814024080	-0.7534728
## 120	0.14484587	0.37431264	-0.247832040	-0.8004216	-0.833060150	-0.7781071
## 121	0.02558510	0.46636993	-0.235228100	-0.7994264	-0.835260790	-0.7538739
## 122	0.02558510	0.43328785	-0.232781210	-0.8411229	-0.805269540	-0.7128553
## 123	0.09768447	0.36231623	-0.169823080	-0.7979570	-0.792528740	-0.6986302
## 124	0.10678975	0.36231623	-0.138650380	-0.7671242	-0.795876510	-0.6979173
## 125	0.08081697	0.41996436	-0.206838260	-0.8024042	-0.797436640	-0.7362033
## 126	0.14336935	0.54248885	-0.174733100	-0.6546991	-0.869747710	-0.8340692
## 127	0.12997272	0.42536788	-0.058272515	-0.5382940	-0.856749360	-0.7927951
## 128	-0.19373284	0.42536788	-0.095511401	-0.5891349	-0.809356590	-0.8043962
## 129	-0.22828834	0.46726714	-0.105280690	-0.6233648	-0.752514130	-0.7987318
## 130	-0.22828834	0.30548818	0.009638008	-0.4276110	-0.782024760	-0.7341452
## 131	-0.23469758	0.30548818	0.071396474	-0.3719150	-0.773312880	-0.7248411
## 132	-0.23469758	0.28458405	-0.024781276	-0.5206432	-0.817936440	-0.7083035
## 133	0.04991037	0.28458405	-0.094949244	-0.5477459	-0.889319250	-0.7479284
## 134	0.04991037	0.34677635	-0.108239830	-0.5602714	-0.876010490	-0.7942046
## 135	-0.04399357	0.06836439	0.154693670	-0.3689963	-0.773875250	-0.4927203
## 136	-0.04399357	0.06836439	0.115735180	-0.3699548	-0.798673990	-0.5801221
## 137	-0.59110576	0.28058569	0.125728710	-0.3951181	-0.674200210	-0.7006542
## 138	-0.59110576	0.41835549	0.085981120	-0.4425532	-0.690886500	-0.7188578
## 139	-0.03675092	0.31721199	0.106225010	-0.3686619	-0.825560140	-0.6693221
## 140	-0.03675092	0.31721199	0.052314383	-0.4332227	-0.812902830	-0.7278861
## 141	0.12064436	0.32660596	0.045678036	-0.3422508	-0.861729050	-0.7239383
## 142	-0.03123002	0.17253731	0.106409990	-0.2179277	-0.878862390	-0.6808656
## 143	0.13961058	0.44911368	0.043607949	-0.4128887	-0.842316720	-0.7534826
## 144	0.15397543	0.44911368	0.037151093	-0.4192342	-0.840389800	-0.7736598
## 145	-0.14532402	0.43608380	-0.037886698	-0.5962901	-0.761003080	-0.7291866
## 146	-0.14532402	0.43608380	0.048410661	-0.4723697	-0.734733250	-0.6947072
## 147	0.05741544	0.42841653	0.021180007	-0.3908814	-0.817776230	-0.7572385
## 148	0.05741544	0.42841653	-0.069972254	-0.5394486	-0.854545660	-0.7784103
## 149	0.16428642	0.44211554	-0.038386541	-0.5194290	-0.874173270	-0.7581262
## 150	0.16428642	0.45603991	-0.050518629	-0.4786884	-0.884193470	-0.7736259
## 151	0.11676394	0.37135921	-0.124637570	-0.7968672	-0.836312140	-0.5279935
## 152	0.24376706	0.49275083	-0.143300280	-0.7932437	-0.850465810	-0.6370141
## 153	0.09134202	0.49329446	-0.111983060	-0.7954543	-0.805660460	-0.6447931
## 154	0.09134202	0.38349808	-0.093361317	-0.7990000	-0.768171480	-0.5660472
## 155	0.14049287	0.38349808	-0.095180321	-0.7772771	-0.813633830	-0.5176327
## 156	0.21346028	0.51661759	-0.139942100	-0.8194054	-0.836431730	-0.5509770
## 157	0.20070781	0.38520671	-0.125675550	-0.8219056	-0.831618940	-0.5286799
## 158	0.20070781	0.38520671	-0.114645420	-0.7819803	-0.860387480	-0.5293569

## 159	0.24392763	0.41117757	-0.065918940	-0.7019802	-0.831081480	-0.5791028
## 160	0.26539705	0.41117757	-0.113205700	-0.7648621	-0.847819450	-0.6120642
## 161	0.04193614	0.38584412	-0.096237377	-0.7919513	-0.790464700	-0.6284856
## 162	0.04193614	0.38584412	-0.104586920	-0.7937310	-0.798924700	-0.6345883
## 163	0.27341933	0.54210912	-0.178751200	-0.8341889	-0.849885980	-0.6277213
## 164	0.21188424	0.44099563	-0.110682580	-0.8310131	-0.808571800	-0.5674862
## 165	0.21188424	0.44099563	-0.145693330	-0.8165235	-0.841593730	-0.5815910
## 166	0.35248359	0.45933642	-0.238334280	-0.8383462	-0.886393310	-0.6135089
## 167	0.30127391	0.48506667	-0.206716980	-0.8515603	-0.878378480	-0.5443597
## 168	0.20866908	0.46029854	-0.088307992	-0.7874863	-0.807688740	-0.5449233
## 169	0.01471095	0.49486833	-0.103032950	-0.7887962	-0.787382460	-0.6180138
## 170	0.01471095	0.48308101	-0.094280583	-0.8160125	-0.736395250	-0.5906338
## 171	0.08351172	0.39160844	-0.085301987	-0.8416273	-0.757349480	-0.4967290
## 172	0.14915890	0.39160844	-0.141958610	-0.8453003	-0.802825240	-0.5784163
## 173	0.16869689	0.58928617	-0.189900160	-0.8582898	-0.801815070	-0.5915369
## 174	0.16869689	0.47515276	-0.137478170	-0.8114579	-0.816531960	-0.4990239
## 175	0.20617590	0.47515276	-0.163468630	-0.7943342	-0.858990900	-0.5714132
## 176	0.10447987	0.39451851	-0.169908030	-0.7828300	-0.864105650	-0.5961763
## 177	0.65114657	0.80024157	-0.925233590	-0.9994869	-0.998176830	-0.9901697
##	NA	NA	NA	NA	NA	NA
## 1	-0.99423081	-0.9876139200	-0.943219990	-0.407747070	-0.67933751	
## 2	-0.99915036	-0.9778655000	-0.948224780	-0.714891660	-0.50093000	
## 3	-0.99713008	-0.9648098900	-0.974675000	-0.592235140	-0.48582066	
## 4	-0.99718043	-0.9837991200	-0.986006790	-0.627446260	-0.85093004	
## 5	-0.99800428	-0.9812318600	-0.991324650	-0.786552530	-0.55947687	
## 6	-0.99758385	-0.9918468100	-0.995413570	-0.751869080	-0.45477250	
## 7	-0.99686258	-0.9724023600	-0.982863830	-0.637184960	-0.51475133	
## 8	-0.99576798	-0.9758468700	-0.986828570	-0.633239420	-0.74387744	
## 9	-0.99735109	-0.9572119300	-0.985840640	-0.683117240	-0.52481198	
## 10	-0.99616279	-0.9798092300	-0.982810720	-0.550721320	-0.29455303	
## 11	-0.99586811	-0.9802646400	-0.982755160	-0.628997330	-0.39674770	
## 12	-0.99747424	-0.9848678000	-0.992936290	-0.838021920	-0.77507130	
## 13	-0.99838369	-0.9806247800	-0.995275600	-0.849672190	-0.67399747	
## 14	-0.99808164	-0.9928902900	-0.990088370	-0.888214740	-0.55377311	
## 15	-0.98937379	-0.7695368300	-0.869028710	-0.163202860	0.05464478	
## 16	-0.99668414	-0.9750486400	-0.983843720	-0.627970940	-0.66763441	
## 17	-0.99667618	-0.9835947600	-0.977652920	-0.645632950	-0.48190674	
## 18	-0.99790967	-0.9901020300	-0.993708160	-0.642111680	-0.49609317	
## 19	-0.99748035	-0.9938378500	-0.995221860	-0.701819180	-0.75322464	
## 20	-0.99843035	-0.9903538100	-0.994458050	-0.805919610	-0.66103907	
## 21	-0.99822682	-0.9930609200	-0.993999100	-0.742251030	-0.60838995	
## 22	-0.99823553	-0.9903690500	-0.995307400	-0.742251030	-0.73493716	
## 23	-0.99824944	-0.9907111700	-0.994559360	-0.796050840	-0.81314755	
## 24	-0.99928724	-0.9869605300	-0.987914960	-0.728911850	-0.62171508	
## 25	-0.99844717	-0.9906838400	-0.993550360	-0.640677550	-0.45340072	
## 26	-0.99728846	-0.9861393900	-0.997367870	-0.667770640	-0.51727554	
## 27	-0.99912839	-0.9937126100	-0.992245890	-0.826873100	-0.75315631	
## 28	-0.89712813	-0.1586247100	-0.401964070	-0.484722270	0.55583606	
## 29	-0.98674576	-0.9085151800	-0.920034970	-0.238788550	-0.48263791	
## 30	-0.99233797	-0.9549199000	-0.980902710	-0.496178520	-0.39770723	

## 31	-0.99272564	-0.9421593900	-0.966505160	-0.453268710	0.13570009
## 32	-0.79149227	-0.5493111000	-0.517773070	-0.514607260	0.67312385
## 33	-0.79951264	-0.5302394900	-0.556589280	-0.366055220	0.72545068
## 34	-0.97072907	-0.9108420800	-0.932381890	0.073575726	-0.21818565
## 35	-0.98013024	-0.9614380300	-0.962324150	-0.213254610	-0.62233741
## 36	-0.99291320	-0.9918392300	-0.992170400	-0.688861400	-0.57831391
## 37	-0.99617470	-0.9966613500	-0.999311610	-0.627894910	-0.72337814
## 38	-0.99648186	-0.9940441400	-0.994741910	-0.690415600	-0.66445583
## 39	-0.98122406	-0.9321343900	-0.964292640	-0.791228330	0.08287955
## 40	-0.99420750	-0.9433963800	-0.987561540	-0.627446260	0.01436901
## 41	-0.99620975	-0.9812344000	-0.989586250	-0.555017150	-0.61174758
## 42	-0.99449186	-0.9855708300	-0.993678520	-0.584878270	-0.66021127
## 43	-0.99597520	-0.9800857800	-0.997818110	-0.725621050	-0.37377648
## 44	-0.99359831	-0.9659149300	-0.989972550	-0.591934660	-0.45169492
## 45	-0.99281538	-0.9779629000	-0.985006900	-0.570772550	-0.61318133
## 46	-0.99582312	-0.9875016900	-0.985386140	-0.702793240	-0.45550397
## 47	-0.99697219	-0.9793413100	-0.988903610	-0.667770640	-0.54961143
## 48	-0.99674188	-0.9841429500	-0.987147090	-0.675878980	-0.62023971
## 49	-0.99691383	-0.9871586400	-0.986182570	-0.733786590	-0.51639401
## 50	-0.99620323	-0.9816437800	-0.993828670	-0.615318100	-0.64253876
## 51	-0.99617222	-0.9773868800	-0.989003440	-0.607805080	-0.57518399
## 52	-0.92019919	-0.9729584600	-0.954596390	0.583721850	-0.40393562
## 53	-0.99110849	-0.9895981200	-0.981874250	-0.445464390	-0.79809120
## 54	-0.99512477	-0.9961562500	-0.996809810	-0.616394250	-0.78410799
## 55	-0.99600159	-0.9951915500	-0.996705630	-0.604512570	-0.77437048
## 56	-0.99696253	-0.9966034300	-0.994295670	-0.714891660	-0.77437048
## 57	-0.99624960	-0.9972086500	-0.991896090	-0.616394250	-0.79877241
## 58	-0.99554629	-0.9928160400	-0.995109730	-0.611174350	-0.76878471
## 59	-0.99793501	-0.9937788800	-0.993413980	-0.622899960	-0.77748596
## 60	-0.99761679	-0.9935592500	-0.989723690	-0.567846940	-0.78192551
## 61	-0.99679960	-0.9911294100	-0.988586210	-0.624357260	-0.67236287
## 62	-0.99625439	-0.9943962700	-0.993335670	-0.649984480	-0.67668474
## 63	-0.99591133	-0.9960694400	-0.991374760	-0.627970940	-0.78614445
## 64	-0.99560128	-0.9952810800	-0.991652950	-0.577257850	-0.77437048
## 65	-0.75922954	-0.7802864900	-0.907667290	0.030495821	-0.16670018
## 66	-0.95160020	-0.9077704800	-0.988497560	0.241292310	-0.51040234
## 67	-0.65549242	-0.4613556600	-0.214138710	-0.564789290	-0.17171626
## 68	-0.64749960	-0.2810607100	-0.087491445	-0.295051710	0.04512077
## 69	-0.89942304	-0.8303006400	-0.725723830	0.554659710	0.42107625
## 70	-0.81183653	-0.8324965900	-0.800535240	0.503502540	0.62055374
## 71	-0.75472288	0.0632644140	0.012373240	-0.465699320	0.03428017
## 72	-0.67833686	-0.3248009100	-0.320818760	-0.393086310	-0.95624852
## 73	-0.97069784	0.2044971500	-0.629301610	-0.006705565	-0.57308512
## 74	-0.97902185	-0.7850371200	-0.966586230	-0.272660360	0.10707749
## 75	-0.98817875	-0.8820409100	-0.988077260	-0.551420800	0.11030984
## 76	-0.99553290	-0.9798405400	-0.994794810	-0.477550060	-0.32158971
## 77	-0.99556790	-0.9886543700	-0.995488860	-0.500495710	-0.35621467
## 78	-0.99403820	-0.9897574000	-0.990271080	-0.656383130	-0.45118231
## 79	-0.54527636	-0.4915179200	-0.341296890	0.423705880	0.28635107
## 80	-0.27767761	-0.2125918100	-0.386869960	0.345317360	0.26495523

## 81	-0.43453613	-0.3974883300	-0.528744930	0.308493850	0.48325410
## 82	-0.35526547	-0.2723163400	-0.483873100	0.447831070	0.42468923
## 83	-0.28293314	-0.1740794100	-0.314610960	0.397098660	0.39536522
## 84	-0.28357535	-0.3716844500	-0.004629248	0.356123700	0.48573092
## 85	-0.39200046	-0.2643995100	-0.058662513	0.370128680	0.41582094
## 86	-0.38763499	-0.1489891300	-0.200404370	0.330104930	0.25655498
## 87	-0.46625697	-0.3544908400	-0.076900473	0.363369090	0.38204084
## 88	-0.29764436	-0.1708154400	-0.369228440	0.336503580	0.40761230
## 89	-0.36000131	-0.3506569600	-0.394175730	0.281977450	0.40393269
## 90	-0.35622399	-0.3714799400	-0.485423090	0.429938650	0.44071518
## 91	-0.30603274	-0.2271455700	-0.381958890	0.431275220	0.37753839
## 92	-0.22616169	-0.3230490100	-0.005093158	0.399281970	0.51925191
## 93	-0.27199844	-0.2626198000	0.018179973	0.517487880	0.49287166
## 94	-0.39629127	-0.1647681700	-0.144772600	0.350932730	0.41025759
## 95	-0.38984835	-0.3150491400	-0.132556470	0.400553530	0.47671299
## 96	-0.38306925	-0.2796432600	-0.096385115	0.471568880	0.40857812
## 97	-0.40965361	-0.1995802000	-0.056776265	0.429785030	0.42362731
## 98	-0.50384930	-0.4159871900	-0.209101620	0.360953960	0.45187411
## 99	-0.36271559	-0.1636839500	-0.229219800	0.409664140	0.42145870
## 100	-0.21947512	-0.2556960000	-0.213168260	0.398138400	0.46242807
## 101	-0.21474300	-0.3181338300	-0.274014920	0.491053230	0.35408097
## 102	-0.26230788	-0.2319103300	-0.461255730	0.385341100	0.43844100
## 103	-0.40954905	-0.3160903700	-0.437954790	0.354555310	0.50452885
## 104	-0.36536591	-0.3034065700	-0.338537450	0.429938650	0.42746130
## 105	-0.33536337	-0.3042891300	-0.110096690	0.247740750	0.44686067
## 106	-0.30931735	-0.4585518000	0.010603724	0.318389480	0.47501350
## 107	-0.33998624	-0.3127312200	-0.006492470	0.389324620	0.47501350
## 108	-0.37498611	-0.1328346800	-0.372071620	0.297189870	0.41558288
## 109	-0.32657958	-0.1131935500	-0.315921990	0.454130740	0.39906969
## 110	-0.35970459	-0.2160754900	-0.285541560	0.466928040	0.41998743
## 111	-0.48881652	-0.2283680900	-0.402597770	0.308493850	0.44466118
## 112	-0.41769726	-0.1832299700	-0.182997460	0.387756230	0.32258277
## 113	-0.39691527	-0.2748367400	-0.418877780	0.209348850	0.36932975
## 114	-0.38423546	-0.3429665000	-0.366497720	0.345317360	0.44141242
## 115	-0.38133441	-0.3398889600	-0.352038220	0.421124870	0.44676279
## 116	-0.33496221	-0.3500113000	-0.106612920	0.222146150	0.45706325
## 117	-0.27451614	-0.3542493700	-0.060935457	0.367352610	0.43230608
## 118	-0.40854691	-0.2484770900	-0.118421810	0.447732090	0.41982622
## 119	-0.56690291	-0.2526008000	-0.402061690	0.206933720	0.39008629
## 120	-0.53743946	-0.5295776000	-0.356425070	0.235671390	0.46513035
## 121	-0.50198755	-0.5338465200	-0.343366770	0.487063030	0.55465083
## 122	-0.54632953	-0.4234245300	-0.345404100	0.528430330	0.43749521
## 123	-0.52596181	-0.2129023800	-0.211614310	0.377902720	0.35178419
## 124	-0.50920134	-0.3248566500	-0.174129470	0.314405960	0.37483750
## 125	-0.53372235	-0.3962859600	-0.184808770	0.303588520	0.46693409
## 126	-0.34035644	-0.4593600600	-0.314060560	0.350571790	0.35255745
## 127	-0.17173650	-0.4088450900	-0.233499730	0.232528320	0.20892813
## 128	-0.33847831	-0.4480790100	-0.267648590	0.148147080	0.28562890
## 129	-0.45856694	-0.5040468300	-0.311711580	0.041264651	0.34777810
## 130	-0.41805877	-0.4593998400	-0.159690110	0.064051608	0.47977839

## 131	-0.31910878	-0.3785245400	-0.118431680	0.022408159	0.37460868
## 132	-0.30289020	-0.4580034800	-0.096735238	0.098459982	0.30611561
## 133	-0.21821831	-0.5948519300	-0.198808690	0.123107910	0.39065002
## 134	-0.23030376	-0.5747093700	-0.330279400	0.098013803	0.33825446
## 135	-0.09182886	-0.4144979900	-0.124048200	0.173130630	0.41256235
## 136	0.04715731	-0.5160730500	-0.020420545	0.333601900	0.32411717
## 137	-0.13650256	-0.4252218600	-0.141360530	0.135905210	0.45655582
## 138	-0.27822398	-0.3266200600	-0.170778770	0.135905210	0.47958899
## 139	0.01128835	-0.4058237100	-0.054803304	0.406952180	0.48627756
## 140	-0.16241486	-0.2607558600	-0.104361740	0.296230310	0.43263578
## 141	-0.17888416	-0.3955887600	-0.206551900	0.333601900	0.34226897
## 142	0.10777722	-0.4733117600	-0.168216010	0.370911950	0.35030030
## 143	-0.07592030	-0.3609062300	-0.191331350	0.597842960	0.39273158
## 144	-0.08556861	-0.2819233400	-0.189454520	0.327203250	0.36847375
## 145	-0.36545717	-0.2824336400	-0.289392470	0.141748430	0.24294618
## 146	-0.31823875	-0.2273337700	-0.223166670	0.362098170	0.16895801
## 147	-0.29126799	-0.3700819500	-0.210079350	0.290791230	0.34241874
## 148	-0.29528437	-0.3519844500	-0.208965940	0.260366370	0.31866893
## 149	-0.19502547	-0.3172981800	-0.320863920	0.342902230	0.45205337
## 150	-0.26132380	-0.4460255800	-0.190347500	0.359196500	0.36552765
## 151	-0.49610412	-0.3202596300	0.045699248	0.436503180	0.15016008
## 152	-0.45589802	-0.2955678800	0.067126613	0.506997990	0.27355114
## 153	-0.45474937	-0.2582979300	0.111541200	0.558604320	0.42345884
## 154	-0.49178827	-0.0566921490	-0.049627250	0.511649510	0.39314750
## 155	-0.54068387	-0.3107702900	0.049531730	0.437448910	0.40867320
## 156	-0.60216277	-0.3766249300	0.229974130	0.240501650	0.43775432
## 157	-0.55522241	-0.2735287100	0.103245320	0.332520060	0.28016993
## 158	-0.49019940	-0.3298157100	-0.019151011	0.561019450	0.28111573
## 159	-0.35360888	-0.2519376200	0.064958717	0.304510340	0.16572748
## 160	-0.41538442	-0.3105502000	0.077363849	0.550637290	0.31543503
## 161	-0.41239356	-0.2662524600	0.108678380	0.647113550	0.35699414
## 162	-0.43291422	-0.0793423880	-0.053430929	0.651392630	0.33819620
## 163	-0.57219401	-0.1837781700	-0.098844948	0.601476270	0.30574344
## 164	-0.56107834	-0.0709801500	0.131555370	0.558604320	0.36334551
## 165	-0.54742158	-0.1866018800	0.017211579	0.455107570	0.19822373
## 166	-0.62414424	-0.4343128800	-0.026607326	0.469854980	0.10251750
## 167	-0.57334681	-0.3780246200	0.205820670	0.492202710	0.22907828
## 168	-0.47865828	0.0003086425	0.016855061	0.538764750	0.17091661
## 169	-0.51678046	-0.0853701180	-0.109298000	0.519616550	0.34846479
## 170	-0.51142984	-0.1150975100	-0.153314310	0.475840800	0.38890416
## 171	-0.57427108	-0.1707687600	0.170103500	0.506258970	0.41867725
## 172	-0.57935277	-0.1770358400	0.105957330	0.469435470	0.30675626
## 173	-0.64018163	-0.2644476300	0.037494402	0.337774490	0.38293855
## 174	-0.61209828	-0.2814436000	-0.038751081	0.287416530	0.42468923
## 175	-0.55616082	-0.2940824500	-0.008681401	0.272204100	0.28404111
## 176	-0.51392864	-0.3577785100	0.093680558	0.246000680	0.23797018
## 177	-0.97828984	-0.9277396500	-0.918530900	-0.458626270	-0.60368037
##	NA	NA	NA	NA	NA
## 1	-0.6021218700	0.929293510	-0.853011140	0.359909760	-0.058526382
## 2	-0.5709790600	0.611627160	-0.329548620	0.284213210	0.284594540

## 3	-0.5709790600	0.273024840	-0.086308698	0.337201510	-0.164738700
## 4	-0.9118715700	0.061435711	0.074839555	0.198204030	-0.264307330
## 5	-0.7614338400	0.313275530	-0.131207730	0.191160850	0.086903625
## 6	-0.5508815400	0.390052110	-0.182272380	0.158751500	0.187312560
## 7	-0.5365527600	0.360460180	-0.233335090	0.226456710	0.069525313
## 8	-0.8224081200	0.363063950	-0.300719100	0.346866580	-0.063693617
## 9	-0.7585241200	0.358267710	-0.253308620	0.266929210	-0.124250260
## 10	-0.4797107700	0.192862600	-0.021212436	0.037914663	0.190540170
## 11	-0.4239002100	0.345507600	-0.173995630	0.178122810	0.169443890
## 12	-0.6025762100	0.342965930	-0.323938110	0.371005910	-0.107567610
## 13	-0.7546591900	0.157461990	-0.046057965	0.048849273	0.004906740
## 14	-0.5508815400	0.412097030	-0.128236910	0.265079770	0.067705297
## 15	0.0730028600	0.157862840	-0.160336380	0.190318760	-0.321830340
## 16	-0.7616251100	0.291043700	-0.160034290	0.144970720	0.067883442
## 17	-0.6769158400	0.193144860	-0.040289908	0.109504970	-0.046524407
## 18	-0.5445591600	0.335716020	-0.136045540	0.205666820	-0.047574216
## 19	-0.6698117500	0.322572020	-0.135412570	-0.018095622	0.364225470
## 20	-0.7291389200	0.284945380	-0.121780530	-0.074247996	0.536003280
## 21	-0.6252615300	0.405067990	-0.217908430	0.176361910	0.255021920
## 22	-0.6046132200	0.445365150	-0.249919670	0.282190170	-0.114231300
## 23	-0.6925983500	0.322554000	-0.126927060	0.121102910	0.089860259
## 24	-0.6092054700	0.295756720	-0.075732760	-0.027520221	0.238771700
## 25	-0.4727479100	0.176466720	-0.011826038	-0.029310417	0.205731450
## 26	-0.5546308900	0.300732380	-0.138537240	0.288761400	-0.089848413
## 27	-0.5725111400	0.504025500	-0.195202460	0.266260620	-0.098672529
## 28	0.1738077000	-0.041077609	0.013076571	0.073864994	-0.318717240
## 29	-0.6928231100	0.092021479	-0.094523029	0.043629598	-0.163651590
## 30	-0.4734231900	0.323712230	-0.275756360	0.143518800	-0.148109330
## 31	-0.2202206700	-0.343954990	0.212233630	-0.045386022	-0.033376283
## 32	0.4934333400	-0.390833480	0.270712140	-0.030774429	-0.172074320
## 33	0.2610604000	-0.185872800	0.166933740	0.017569638	-0.359703950
## 34	-0.7228462000	-0.070904087	-0.040270944	-0.054590187	0.097401421
## 35	-0.5211628700	0.189093260	-0.086808630	-0.103538640	-0.138056050
## 36	-0.5710668900	0.199256600	-0.148482760	-0.076110358	0.033457894
## 37	-0.7257973300	0.292179620	-0.239373220	0.288675030	-0.360761420
## 38	-0.6079623900	0.200566830	-0.160644950	0.255441040	-0.265838970
## 39	-0.6466394100	0.017079776	0.029881469	-0.001446967	-0.293755040
## 40	-0.6032063000	-0.022325008	0.062825176	0.086942735	-0.310534020
## 41	-0.6344021900	0.029612674	0.037375697	-0.040398082	0.218167510
## 42	-0.5762437400	0.057191441	0.089458701	-0.245310350	0.417355880
## 43	-0.6116637100	0.148767900	-0.024023285	-0.159301940	0.372665790
## 44	-0.6746952600	0.191700270	-0.094974188	-0.178918110	0.311769880
## 45	-0.6193924600	0.225848040	-0.090667000	-0.111683430	0.163934320
## 46	-0.5618116300	0.182799630	0.016764152	-0.069466124	0.097918287
## 47	-0.6324921500	0.222439520	0.073739020	-0.159330040	0.265688630
## 48	-0.5225168000	0.204487100	0.055450248	-0.089250166	0.102674800
## 49	-0.5078488400	0.245613210	-0.112750520	0.254890820	-0.292521780
## 50	-0.7294754900	0.295985110	-0.193780100	0.228139980	-0.126825700
## 51	-0.5162352600	0.298592390	-0.139160890	0.135872690	0.013412649
## 52	-0.2687902600	-0.363920440	0.317029510	-0.251313730	0.043180800

## 53	-0.2995051500	0.002718461	-0.052910795	0.019408991	-0.044117436
## 54	-0.6136930600	0.109425620	-0.049453623	-0.187832830	0.388618600
## 55	-0.6987927500	0.192407560	-0.050628914	-0.031237388	0.401260570
## 56	-0.6380496300	0.286518250	-0.135153280	0.057308621	0.392755650
## 57	-0.6076725400	0.204485470	-0.031294075	-0.071679080	0.489052250
## 58	-0.6630663100	0.145169960	0.004176386	-0.108410230	0.495194800
## 59	-0.5893517300	0.189229750	-0.055480743	0.024945515	0.271965090
## 60	-0.5193342700	0.150169880	-0.024122557	-0.051364175	0.312012330
## 61	-0.5499224800	0.192201970	-0.012556749	-0.117735730	0.548150430
## 62	-0.6190153600	0.287750100	-0.064772433	-0.063304191	0.588991820
## 63	-0.5533773300	0.392567920	-0.185940770	0.217984280	0.364975680
## 64	-0.6137056000	0.370626610	-0.153877340	0.156934520	0.285926940
## 65	0.0959806810	-0.036349402	-0.117841300	0.060712407	0.027187625
## 66	-0.4970811200	-0.185692640	0.174121460	-0.279583460	0.132654040
## 67	0.3564189000	-0.481224240	0.324892090	-0.206791490	0.120194550
## 68	0.5761387700	-0.466783130	0.310922480	-0.211029070	0.137501630
## 69	-0.3887821000	-0.413736630	0.325654640	-0.307366600	0.165425580
## 70	-0.6325677000	-0.278009750	0.380699770	-0.546169280	0.249501470
## 71	0.3897210300	-0.254435340	0.236801110	-0.184037950	-0.034750647
## 72	0.9133893400	-0.268960010	0.205321380	-0.066560942	-0.127284020
## 73	0.1852226500	-0.396414960	0.384982000	-0.125533900	-0.021215416
## 74	-0.6369990900	0.067963238	-0.018980373	0.140465460	-0.338375920
## 75	-0.4598929800	0.129928850	0.003840868	0.130168820	-0.237697540
## 76	-0.5192258000	0.184712730	-0.081654752	-0.002233010	0.118187040
## 77	-0.6498549200	0.181507390	-0.094858756	0.127913310	-0.025653212
## 78	-0.6733648100	0.188611880	0.009761330	-0.050900430	0.251905980
## 79	-0.0320073930	-0.591173970	0.683983800	-0.557770190	0.348688700
## 80	0.1012768100	-0.540624480	0.569795300	-0.369516240	0.171044700
## 81	-0.0359126260	-0.358261000	0.377803610	-0.288019180	0.236873040
## 82	-0.0275614640	-0.516604710	0.601612760	-0.563007550	0.391750950
## 83	0.0022025540	-0.623747140	0.728816530	-0.761506100	0.536872780
## 84	0.0757575350	-0.484377460	0.523175500	-0.575652300	0.531365950
## 85	0.2164453500	-0.568698140	0.672865970	-0.628274320	0.436001800
## 86	0.0911921860	-0.593228300	0.722126770	-0.595063330	0.312589850
## 87	0.0182221240	-0.354359420	0.195413300	0.183952890	-0.112109160
## 88	0.0339949690	-0.309839060	0.235180590	-0.018028955	0.050807906
## 89	-0.1061597700	-0.367341470	0.381181210	-0.286606910	0.239761360
## 90	-0.1519668200	-0.476275940	0.565515280	-0.528986600	0.381785720
## 91	0.0136448460	-0.540021220	0.605052780	-0.595133720	0.467729780
## 92	0.1995130100	-0.477016560	0.463486770	-0.365671050	0.324426210
## 93	0.1550421100	-0.249389840	0.180936340	0.025768637	0.035541806
## 94	0.0341850470	-0.272955580	0.207026260	0.145677280	-0.212714290
## 95	0.0134919850	-0.433940240	0.442077920	-0.151952620	-0.025964285
## 96	-0.0031555232	-0.519559750	0.559812550	-0.307260110	0.091938147
## 97	-0.0210265720	-0.347411990	0.313735690	0.069717608	-0.187205940
## 98	0.0784970170	-0.265973090	0.252183110	0.059798120	-0.098621961
## 99	-0.0740343860	-0.262225430	0.199957920	0.023418298	0.033717385
## 100	0.1820406000	-0.099962929	-0.000296568	0.212866810	-0.018902183
## 101	0.1821851100	-0.199466390	0.118289100	0.094814216	0.026381769
## 102	-0.0095968208	-0.128394990	0.067622570	0.130313470	-0.033672441

## 103	-0.0546093560	-0.284371320	0.289925560	-0.181360040	0.118996050
## 104	-0.0036477533	-0.490218190	0.570008210	-0.515714040	0.342494800
## 105	0.1034204400	-0.450627230	0.473563480	-0.370034450	0.266231140
## 106	0.1833086300	-0.441665450	0.437818150	-0.321074250	0.247230360
## 107	0.0488814900	-0.299850350	0.316926400	-0.208392160	0.231341040
## 108	-0.0261546350	-0.135302340	0.096031586	0.102478070	-0.019376659
## 109	-0.0520209620	-0.108210660	0.020622529	0.211630930	-0.094788605
## 110	-0.0501206760	-0.113138890	0.059871689	0.159722870	-0.040398044
## 111	0.0790804640	-0.148221090	0.127997570	0.074237982	0.013975387
## 112	0.0646412740	-0.274395050	0.287745760	-0.296471720	0.393096860
## 113	-0.0418132290	-0.190552140	0.200520400	-0.134714380	0.211183110
## 114	-0.0928738100	-0.311794870	0.359476980	-0.309509360	0.275257700
## 115	-0.0488003130	-0.522390360	0.588291390	-0.533950440	0.388874860
## 116	0.0747478180	-0.449174590	0.472036340	-0.358672410	0.243533800
## 117	0.2061698100	-0.441834490	0.484235600	-0.361462890	0.240303390
## 118	0.1016019400	-0.488369640	0.581030290	-0.478360470	0.310306240
## 119	-0.1379733700	-0.309385510	0.319794090	-0.167899090	0.115317500
## 120	-0.0845238080	-0.438267680	0.450063750	-0.179890060	0.045067124
## 121	-0.0448950800	-0.294024920	0.288959110	-0.037652155	0.029502472
## 122	-0.0539735790	-0.133616160	0.108636570	0.068942181	0.025369425
## 123	-0.0663228970	-0.316763940	0.341109390	-0.099724507	0.074865080
## 124	0.0446844390	-0.418403090	0.419060180	-0.179617730	0.096209503
## 125	0.0988821870	-0.411298410	0.458348230	-0.304195430	0.160889570
## 126	0.2194424500	-0.293143250	0.229463380	-0.114496880	0.105618190
## 127	0.1846420900	-0.444154780	0.432128590	-0.378887780	0.285895970
## 128	0.1153448800	-0.455941940	0.498215320	-0.520628360	0.393765810
## 129	0.1001139500	-0.593795200	0.647288590	-0.612513460	0.389275180
## 130	0.1728482900	-0.412399190	0.383345810	-0.374085280	0.377599820
## 131	0.1620754900	-0.421978570	0.446205350	-0.508139770	0.475390120
## 132	0.2608363300	-0.482684980	0.591050980	-0.789742910	0.697456820
## 133	0.3237573600	-0.391228020	0.409579520	-0.578256420	0.621914430
## 134	0.1950677000	-0.585966580	0.630218840	-0.669075950	0.518975390
## 135	0.4877274000	-0.097506372	0.061074712	-0.105104280	0.255578760
## 136	0.1825891800	-0.410432700	0.387774570	-0.331766860	0.285901620
## 137	-0.0344534320	-0.350085150	0.292700300	-0.107002070	0.055744237
## 138	-0.0009498576	-0.134710840	0.055728804	-0.035137256	0.217298400
## 139	-0.0123743430	-0.308909010	0.240359600	-0.300679380	0.444082980
## 140	0.2064360800	-0.818455760	0.916678850	-0.895520810	0.545080110
## 141	0.3092265300	-0.413866820	0.365163780	-0.264482290	0.241515010
## 142	0.0521021390	-0.343882660	0.244160470	-0.206885550	0.324315440
## 143	0.3048596500	-0.504317760	0.391953620	-0.128738400	0.041415955
## 144	0.2027336600	-0.547478530	0.543217230	-0.471579980	0.324462560
## 145	0.0375585570	-0.487637500	0.529644120	-0.397568460	0.156998320
## 146	0.1680204400	-0.374674260	0.360484380	-0.311340260	0.302404300
## 147	0.0965528770	-0.219740960	0.078076163	-0.064348505	0.325747650
## 148	0.0840663040	-0.225823750	0.090883749	0.156515790	-0.119747380
## 149	0.3535869900	-0.231744200	0.156970920	-0.047146681	0.069141442
## 150	0.3139735300	-0.439111820	0.413408380	-0.418311160	0.384174520
## 151	0.1271431400	-0.239109050	0.011042400	0.322400720	-0.196053380
## 152	-0.0921892250	-0.409604790	0.196007360	0.127804580	-0.064948177

## 153	-0.0152623160	-0.532527870	0.314020740	0.003113331	0.025224810
## 154	-0.0120416680	-0.597718620	0.429118060	-0.127129610	0.046959369
## 155	-0.0236134790	-0.681925190	0.639045950	-0.429372190	0.186087950
## 156	0.1368050800	-0.650261300	0.630620180	-0.460570190	0.235254890
## 157	0.0009848169	-0.407681670	0.307785270	-0.068017371	0.008084339
## 158	-0.1142156700	-0.270585570	0.103740500	0.194482200	-0.174735140
## 159	0.1692938700	-0.489026340	0.385898960	-0.128208540	0.027407828
## 160	0.0125566280	-0.682644720	0.649145320	-0.491076010	0.283134850
## 161	0.0034781290	-0.523938160	0.384887970	-0.128153110	0.094952254
## 162	-0.0365011660	-0.490941160	0.386307950	-0.170955630	0.140485550
## 163	-0.0936023070	-0.498781980	0.421714290	-0.230499390	0.130583380
## 164	-0.0960944580	-0.386907270	0.297268010	-0.100517110	0.051122023
## 165	-0.0242020180	-0.438680990	0.340330670	-0.165758490	0.131280110
## 166	0.0233953890	-0.608429720	0.474863450	-0.259557110	0.191215290
## 167	0.0138246600	-0.898101920	0.853048770	-0.631418900	0.313082780
## 168	-0.0567048630	-0.613807990	0.515689500	-0.297360490	0.152320470
## 169	-0.0727641950	-0.635166530	0.667339340	-0.654072740	0.437746540
## 170	-0.0319636780	-0.589611910	0.633658780	-0.729616430	0.597021770
## 171	-0.1146203100	-0.558701580	0.450593390	-0.225689050	0.125340070
## 172	-0.0924236970	-0.579889500	0.535804280	-0.331519990	0.109244040
## 173	-0.0209813690	-0.631871230	0.651930250	-0.547877660	0.273993330
## 174	0.0081106992	-0.703640170	0.744597700	-0.700904200	0.441379710
## 175	-0.0624176640	-0.470634960	0.382185200	-0.241799390	0.191889440
## 176	0.0110962410	-0.144525200	-0.101993230	0.536670670	-0.416208410
## 177	-0.5139643600	0.380895630	-0.480753200	0.370982360	-0.272128960
##	NA	NA	NA	NA	NA
## 1	0.256891540	-0.2248476300	0.264105720	-0.095245630	0.278851430
## 2	0.115705420	-0.0909625290	0.294310410	-0.281210570	0.085988430
## 3	0.017150129	-0.0745069330	0.342256310	-0.332564480	0.239280530
## 4	0.072545240	-0.1553198300	0.323153950	-0.170812960	0.294938390
## 5	0.257615350	-0.2725046600	0.434727760	-0.315375070	0.439744370
## 6	0.259951040	-0.2432295800	0.421736150	-0.418460050	0.558461370
## 7	0.064297470	-0.0764385420	0.138057290	-0.036769477	0.231400820
## 8	0.144124230	-0.1323485200	0.083232381	0.041631384	0.137191760
## 9	0.215323920	-0.1833617400	0.171744820	-0.068957077	0.241830690
## 10	0.039721557	0.0542831630	0.037268005	0.081551086	0.172339930
## 11	-0.020162546	0.1360335500	-0.114405550	0.243374640	0.300912390
## 12	0.235922600	-0.1293530200	0.019638015	0.118295860	0.538257010
## 13	0.296516220	-0.1794091400	0.137175900	-0.132036790	0.270602020
## 14	0.289136320	-0.2406154500	0.315222780	-0.152404110	0.180577600
## 15	-0.315401540	0.2793659000	-0.307210570	0.342621200	-0.082974088
## 16	0.145616030	-0.1928500100	0.055579133	0.249270420	0.337573550
## 17	0.339750700	-0.4080555000	0.428692340	-0.094966866	0.273914970
## 18	0.203594900	-0.2265879500	0.379312610	-0.213396000	0.101400720
## 19	0.201387330	-0.1142847700	0.279528990	-0.092519141	0.461361840
## 20	0.211987610	-0.2041487800	0.415982240	-0.271716740	0.542898470
## 21	0.294129430	-0.2519759000	0.356811300	-0.080195620	0.405044320
## 22	0.398447520	-0.1764248200	0.091882618	0.180639090	0.467338930
## 23	0.340898190	-0.1410933000	0.146087330	0.045064128	0.490784270
## 24	0.246238890	-0.1153847400	0.231171920	-0.086456111	0.351227630

## 25	0.213469490	-0.0983188850	0.087367711	-0.024368358	0.420898360
## 26	0.302416390	-0.1819083400	0.235430960	-0.197368130	0.424560540
## 27	0.491563350	-0.2709413200	0.390317470	-0.136461800	0.469383000
## 28	-0.278188480	-0.1041512100	0.460328950	-0.113998240	-0.199215080
## 29	0.011063994	-0.1891503900	0.140096300	0.263917250	0.346852340
## 30	0.071376294	-0.0987947740	0.121245860	-0.066884481	0.325286230
## 31	-0.330124390	0.1908590100	0.197532240	-0.272524840	-0.514783580
## 32	-0.395643240	0.2474132900	0.129830950	-0.266952550	-0.562262560
## 33	-0.382767480	0.2675858800	0.007159938	-0.121738890	-0.526427430
## 34	-0.079986244	-0.0810142350	0.252911740	-0.115908860	-0.046817772
## 35	0.227396010	-0.1164919900	0.020521702	-0.082812933	0.138924960
## 36	0.409985330	-0.2477613700	0.187653690	-0.105722200	0.247351690
## 37	0.548167910	-0.2600207800	0.335884780	-0.005254272	0.254746100
## 38	0.370014280	-0.1341372000	0.204989030	0.202021960	0.158442520
## 39	-0.005336678	-0.1414161600	0.205519290	0.036843872	0.230766310
## 40	0.187278850	-0.1363554400	-0.043027660	0.148135700	0.387736390
## 41	0.133611040	-0.0090804460	-0.088710679	0.087291085	0.542863900
## 42	0.174122500	-0.0626187900	0.142431740	-0.288364180	0.402224860
## 43	0.085742459	-0.0104302020	0.104622020	-0.270504640	0.442195370
## 44	0.126279480	-0.0984208730	0.200836130	-0.275738380	0.429979080
## 45	0.160953200	-0.1262682200	0.173531050	-0.149182190	0.279916780
## 46	0.088536874	-0.0192859120	-0.029191587	0.060362799	0.279593410
## 47	0.158289630	-0.0800336960	0.160691440	-0.235479410	0.419951170
## 48	0.152621390	-0.0777623110	0.210891920	-0.283849480	0.331691160
## 49	0.031403406	0.0450463650	-0.008690351	-0.061957306	0.129767920
## 50	0.128943470	-0.0374806950	0.068094598	-0.184350100	0.120957390
## 51	0.285717630	-0.2161437100	0.352186590	-0.492946660	0.574831790
## 52	-0.100244130	0.2072715900	-0.066508561	0.123356070	-0.033834846
## 53	0.252844480	-0.1953368500	0.337589760	-0.142774740	0.179027880
## 54	0.450364780	-0.1163839600	0.212953820	0.331626540	0.503316370
## 55	0.426478440	-0.1957671300	0.121385070	0.138669190	0.697890960
## 56	0.521486740	-0.2398845600	0.162534190	0.095447434	0.361396060
## 57	0.551478380	-0.1572222600	0.238561230	0.194335090	0.319016370
## 58	0.371025210	-0.1708357600	0.335132840	-0.085124294	0.592081260
## 59	0.331136810	-0.1835558100	0.306873820	-0.071205754	0.478564050
## 60	0.400116850	-0.1755523400	0.200165900	0.141784490	0.316482390
## 61	0.375964030	-0.1247687900	0.152171650	0.150972650	0.528204130
## 62	0.294713640	-0.0865432510	0.128665020	0.048109777	0.529869360
## 63	0.251510560	-0.0830417910	0.103853950	0.179160260	0.474851370
## 64	0.316038130	-0.1595443100	0.229183560	0.108421510	0.406346870
## 65	0.268714420	-0.1550531100	0.207974200	-0.395867810	0.130175100
## 66	0.018214905	-0.0535710050	0.096326304	-0.060786251	0.493676410
## 67	-0.439595110	0.1979092600	0.174966540	-0.050118166	-0.401426430
## 68	-0.452208960	0.2177996900	0.149630160	-0.041662706	-0.392480650
## 69	-0.582091400	0.4916594100	-0.223571500	0.049749659	-0.234779890
## 70	-0.182293670	0.1027110100	0.121860770	-0.165107700	-0.239063190
## 71	0.124739470	-0.2590739200	0.190372940	0.281312320	0.226219930
## 72	0.112903100	-0.2689744300	0.164318720	0.322219910	0.241217830
## 73	-0.243696740	-0.0171006660	0.105608870	0.269794930	0.138795910
## 74	-0.344951990	0.1849106000	-0.197277650	0.459644100	0.104451920

## 75	0.019988252	-0.0428410350	0.023039236	0.046529021	0.190998770
## 76	0.273450410	-0.2266677100	0.248239970	-0.246495880	0.223657050
## 77	0.176448590	-0.2009530100	0.284066430	-0.221300730	0.590226190
## 78	0.163669370	-0.1382942500	0.216841280	-0.139590440	0.561776640
## 79	-0.332824170	0.3472535900	0.021748796	-0.037175619	-0.359137740
## 80	-0.272079630	0.3151566900	-0.018700378	0.085267569	-0.296888420
## 81	-0.227291630	0.2941444800	-0.056331793	0.170810090	-0.140111230
## 82	-0.284317090	0.2524097300	0.107313620	-0.030951290	-0.255217840
## 83	-0.110085530	0.1033205300	0.182838030	0.051521508	-0.294830640
## 84	-0.038607873	0.0203432580	0.331436720	-0.130172010	-0.145139290
## 85	-0.339112930	0.3054055500	0.107101820	-0.087435648	-0.280386160
## 86	-0.294387020	0.3202738700	0.003213260	0.082661190	-0.046723433
## 87	-0.257976630	0.3126983000	-0.060445461	0.157674160	-0.378853520
## 88	-0.247183120	0.2970966800	-0.015439454	0.082144030	-0.319519210
## 89	-0.287710580	0.3109580400	-0.035570442	0.127943860	0.015840810
## 90	-0.203726680	0.1972008000	0.117503040	0.039183592	0.019868157
## 91	-0.105545340	0.1440038800	0.086517927	0.209293900	-0.343595330
## 92	-0.145109510	0.1850365900	0.101290150	0.077128123	-0.459848330
## 93	-0.163633770	0.1845414100	0.172140700	-0.082594026	-0.027307394
## 94	-0.180753120	0.1795860900	0.169752360	-0.051157113	0.180353080
## 95	-0.174978090	0.1172829100	0.292726930	-0.128605170	-0.045890031
## 96	-0.165293660	0.1003057000	0.265526830	-0.060027178	-0.097022697
## 97	-0.258083620	0.2531429200	0.112156740	-0.036864631	-0.154819090
## 98	-0.015831158	0.0293320320	0.373938080	-0.237065150	-0.260421360
## 99	-0.121299950	0.0980179450	0.266272480	-0.077554408	-0.066816063
## 100	-0.177667140	0.1825870300	0.126185560	0.029409435	0.171717960
## 101	-0.087401519	0.1198354700	0.150945500	0.040829324	0.029152114
## 102	0.006717813	0.0609450000	0.232754770	-0.036036531	-0.145995630
## 103	-0.132175980	0.2354126700	0.012072938	0.116996600	-0.289368580
## 104	-0.246038000	0.3486361100	-0.104422270	0.202573410	-0.423242080
## 105	-0.181556770	0.2100914800	0.130293040	-0.023674632	-0.326679980
## 106	-0.295012320	0.3454584400	-0.076575015	0.136605810	-0.092106155
## 107	-0.450456640	0.5449600800	-0.305119030	0.288358230	-0.256007550
## 108	-0.154433600	0.1384084700	0.251757590	-0.146312780	-0.191695400
## 109	-0.098627211	0.1069889000	0.238732190	-0.111796570	-0.110312710
## 110	-0.213215770	0.2542038400	0.007768695	0.104255760	-0.011388186
## 111	-0.217110450	0.2564765200	0.020288262	0.080936992	-0.027525798
## 112	0.025663163	-0.0004257475	0.349915180	-0.135533450	0.067880681
## 113	-0.110245860	0.1027229300	0.258088000	-0.110743130	0.301428220
## 114	-0.240059600	0.2873076100	-0.071521409	0.214622270	0.028365527
## 115	-0.339057010	0.3506357600	-0.059986020	0.128113350	0.036100119
## 116	-0.425973300	0.4337252700	-0.057460742	0.004456846	-0.101499690
## 117	-0.518035780	0.5823158400	-0.278740350	0.152091180	-0.501352630
## 118	-0.140911580	0.1483045900	0.209372710	-0.081490291	-0.403291080
## 119	0.078179964	-0.1076578600	0.498984530	-0.209047090	-0.350903850
## 120	0.022051555	-0.0696932010	0.442516860	-0.176214210	-0.639707930
## 121	-0.163741650	0.1889557800	0.118791660	0.040714600	-0.598906830
## 122	0.280944450	-0.2670904200	0.588937910	-0.125077140	-0.364450990
## 123	0.259370060	-0.2735552200	0.643523440	-0.187981280	-0.434683500
## 124	-0.255967990	0.2346311000	0.184395140	-0.119715050	-0.455061280

## 125	-0.400068310	0.3933364600	-0.001928335	-0.059729438	-0.219760900
## 126	-0.184432830	0.2944643500	-0.182178970	0.291649180	-0.137140010
## 127	-0.116886560	0.2026681600	-0.041671669	0.152385560	0.073648543
## 128	-0.187675540	0.2192000700	0.035220798	0.087195767	0.120496670
## 129	-0.280602430	0.3511408900	-0.191763710	0.342699680	0.117884730
## 130	-0.220700580	0.3066213800	-0.167624550	0.337959730	0.036617940
## 131	-0.226891480	0.2893104900	-0.048568110	0.124824410	-0.185206640
## 132	-0.116922280	0.1521410500	0.171923750	-0.102328330	-0.081664014
## 133	0.045983262	-0.0132058510	0.457431460	-0.372765620	0.272004620
## 134	-0.066195022	0.0622798030	0.386481850	-0.304945120	0.450696940
## 135	-0.043594722	0.1237666100	-0.043619384	0.337744320	0.282544220
## 136	-0.075891847	0.1495233900	0.028593659	0.141032670	-0.019663977
## 137	-0.212919020	0.1757138900	0.195642300	-0.131103370	0.214289150
## 138	-0.318122800	0.2610644900	0.156473790	-0.159882200	-0.146363820
## 139	-0.420374040	0.5399345900	-0.517418420	0.567294120	-0.283577930
## 140	-0.373329900	0.4866995700	-0.396968630	0.464013130	-0.109756390
## 141	-0.032483386	0.1600979200	-0.028353331	0.207001780	0.157719210
## 142	0.057359241	0.0494426280	-0.001642887	0.185688650	0.175611290
## 143	-0.136862130	0.1834983800	0.108167490	-0.027739660	-0.085464475
## 144	-0.031529052	0.0401418040	0.281400580	-0.187341700	-0.001120027
## 145	-0.123501890	0.0613505580	0.373007200	-0.295364220	-0.341143780
## 146	-0.177954950	0.2041519500	0.104951110	-0.052918842	-0.288053200
## 147	-0.030179831	-0.0131843460	0.294516980	-0.063430192	-0.209266620
## 148	-0.257712810	0.2209989000	0.036561326	0.072770942	-0.003707074
## 149	-0.042191173	0.0457569200	0.196741560	-0.064067725	0.204858880
## 150	0.002861036	0.0718496940	0.253604490	-0.185173360	0.154597260
## 151	-0.115746230	-0.0301626490	0.184199060	0.151481780	-0.791639360
## 152	0.061950317	-0.2260980500	0.273869420	0.277957020	-0.804012470
## 153	-0.286479650	0.1534930700	0.080078707	0.099290902	-0.562488060
## 154	-0.267184850	0.1561435100	0.098751183	0.038994057	-0.445146080
## 155	-0.338030260	0.2373290700	0.110238880	-0.086384109	-0.667968010
## 156	-0.539302140	0.4628698600	-0.125150540	0.025775308	-0.717082360
## 157	-0.509471880	0.4508486900	-0.219260070	0.207681570	-0.206249370
## 158	-0.271213490	0.2439986000	-0.077232648	0.204334740	-0.227643020
## 159	-0.367799060	0.2588590900	-0.016059795	0.102088770	-0.235240040
## 160	-0.351012950	0.2755848600	-0.123506650	0.250969590	-0.612169940
## 161	-0.242620320	0.0928894200	0.221633400	-0.082850261	-0.801762220
## 162	-0.205943120	0.0241771740	0.313948120	-0.137282770	-0.533335950
## 163	-0.453325310	0.3811530400	-0.134686050	0.098215626	-0.300581250
## 164	-0.232781630	0.1113115500	0.195538450	-0.121291290	-0.552492770
## 165	-0.199136580	0.0700295010	0.245271520	-0.151138170	-0.705009390
## 166	-0.430080310	0.3185192000	-0.019404992	0.018831169	-0.539807290
## 167	-0.283015450	0.1072774400	0.229423680	-0.096823173	-0.342062680
## 168	-0.408156660	0.3836150300	-0.311423180	0.391219810	-0.369402630
## 169	-0.399492750	0.4045768600	-0.285487000	0.337467710	-0.386248640
## 170	-0.420701520	0.3907066900	-0.225654950	0.266525740	-0.235485820
## 171	-0.443625820	0.2973949800	0.046925047	0.001476705	-0.254219820
## 172	-0.498057340	0.4239923700	-0.077111727	-0.028484519	-0.376683240
## 173	-0.513960430	0.4558338000	-0.115380450	-0.028878566	-0.426075060
## 174	-0.478823680	0.3746423900	0.034431714	-0.109842560	-0.234426680

## 175	-0.429142440	0.3062293000	0.111168950	-0.153023670	-0.161968030
## 176	-0.233625800	0.1411219100	0.285041700	-0.329475070	-0.412206980
## 177	0.263649570	-0.4028759900	0.581176130	-0.414252660	0.287904090
##	NA	NA	NA	NA	NA
## 1	-0.4650845700	0.4919359600	-0.1908835600	3.763139e-01	0.4351291900
## 2	-0.0221526940	-0.0166565350	-0.2206435000	-1.342866e-02	-0.0726918900
## 3	-0.1362035900	0.1738631800	-0.2994927800	-1.246984e-01	-0.1811047900
## 4	-0.3060809900	0.4821478300	-0.4701287100	-3.056930e-01	-0.3626540500
## 5	-0.2690689500	0.1794141900	-0.0889519540	-1.558043e-01	-0.1897627100
## 6	-0.2183436400	0.1651380700	0.0809201640	-2.099792e-01	-0.1510636500
## 7	-0.1145772800	0.3192043600	-0.4877686300	-9.585211e-02	-0.1357287500
## 8	-0.0922898500	0.3723690900	-0.7209128200	-1.616342e-01	-0.0171201530
## 9	-0.1944194700	0.2167579800	-0.3380264600	-1.647907e-01	-0.0337674930
## 10	0.0359950780	-0.1849299800	0.3511563100	-1.762412e-01	-0.4476509200
## 11	-0.0764445390	0.0819571560	0.1526787400	8.503662e-03	-0.3559162100
## 12	-0.2084456500	0.3559463900	-0.1304113100	-2.672387e-01	-0.1189710900
## 13	0.0343579120	-0.0704393430	0.0992572330	-3.523584e-02	-0.1563049500
## 14	0.0503658580	-0.0398358070	-0.0099919957	4.361884e-02	-0.1438525800
## 15	0.0273442900	-0.0464711720	-0.0865416920	8.218719e-01	0.7376562400
## 16	-0.2611671200	0.1767284200	-0.2222396200	3.295932e-01	0.2379994400
## 17	-0.2299320000	0.0757292870	0.0059085062	2.804974e-01	0.1271124200
## 18	-0.0072708945	0.0764150620	-0.1536606100	1.533626e-01	-0.0975735370
## 19	-0.2424503500	0.4173039100	-0.1549636600	1.908747e-01	-0.0450073060
## 20	-0.3334753000	0.4021775900	-0.0091204808	1.109392e-01	0.0744527590
## 21	-0.0904448590	0.0351363290	0.1328816000	6.714224e-02	-0.0393856530
## 22	-0.0741434560	0.0376235250	0.0379021180	1.161994e-01	0.1088122700
## 23	-0.2044076100	0.2276470000	-0.1967579900	-9.775865e-02	0.0844064520
## 24	-0.1605728800	0.1230979100	-0.0108207830	-4.120247e-02	-0.0394245740
## 25	-0.1373397900	-0.0726038540	-0.0086808411	-2.237021e-01	-0.0466234400
## 26	-0.0825305880	-0.1097924300	0.0540301000	1.319459e-01	0.2785706400
## 27	-0.1145901900	0.0496297950	0.0068977860	1.426626e-01	0.0793481940
## 28	-0.0983379910	0.0522281560	0.2625271500	-9.908432e-01	-0.9503355000
## 29	-0.3109658100	0.2099489200	-0.2601296800	-9.293134e-01	-0.2998083800
## 30	-0.2249110300	0.1842237800	-0.1718655100	-8.382442e-01	-0.7140091900
## 31	0.2779876200	-0.2609884700	0.3172446400	-2.631720e-02	-0.8579878700
## 32	0.3356559200	-0.3271514200	0.3160262600	-4.892716e-01	-0.9089087700
## 33	0.3777123300	-0.4860664900	0.3861566400	-9.611652e-01	-0.9416896300
## 34	-0.0362247140	-0.0321262270	0.0118890680	-9.105816e-01	-0.7060142100
## 35	-0.2137495900	0.2455276100	-0.2235954900	-9.451948e-01	-0.9112514000
## 36	-0.0809433900	-0.0519341930	0.0334616650	-5.623617e-01	-0.4679289900
## 37	0.0417224020	-0.1674697000	0.0557440600	-4.251698e-01	-0.2564186800
## 38	0.0209145010	-0.0839147440	-0.0045875060	-3.349185e-01	-0.5646424600
## 39	-0.1766165500	0.1062915400	-0.1298770600	9.110737e-02	0.5857231800
## 40	-0.2012507300	0.2772433400	-0.1681964300	-6.881026e-01	-0.0222095940
## 41	-0.3659120000	0.4879536100	-0.1930705600	-6.803092e-02	-0.2792003400
## 42	-0.1936941100	0.3537402800	-0.2504119000	-2.315565e-01	-0.3338132900
## 43	-0.1640573300	0.1855428400	-0.1078811500	-2.289923e-01	0.1080880400
## 44	-0.2747942800	0.2391392800	-0.1466137700	-5.385251e-01	0.1242124000
## 45	-0.2054861500	0.2775709800	-0.3087187800	-5.766916e-01	-0.2441089900
## 46	-0.2128244200	0.3921244600	-0.4336237300	-3.622969e-01	-0.1043611500

## 47	-0.2752608900	0.3677397700	-0.2733398000	-2.837671e-01	0.1016747400
## 48	-0.1853089300	0.1027103300	0.0060812922	-1.916099e-01	-0.2662754100
## 49	-0.0076323155	-0.1013955100	0.2084324800	-2.892202e-01	-0.2060593800
## 50	0.0019993688	-0.0159953090	-0.0153526560	-5.236563e-01	-0.2633436800
## 51	-0.3625181400	0.4163129600	-0.5402690100	-4.481583e-01	-0.3518577300
## 52	-0.0317707730	-0.0287789280	0.0128146290	4.925994e-01	-0.5933367600
## 53	-0.0696168360	-0.0330752700	-0.0935487080	-3.881451e-01	0.5962099400
## 54	-0.1907860500	0.1591167500	0.2422421300	-1.994605e-01	0.0250798850
## 55	-0.3570996500	0.3261610000	-0.0387592710	-3.877175e-01	0.1967152600
## 56	-0.1018538400	0.0162145500	0.0156270060	-2.767338e-01	-0.0395383950
## 57	-0.0693687910	0.0745028220	-0.0808127140	-5.694415e-04	-0.1881217000
## 58	-0.2644133100	0.2103004200	0.0668922700	-3.353533e-02	-0.2156226000
## 59	-0.2709050600	0.1480591500	0.1160284900	-1.883330e-01	-0.1380708100
## 60	-0.1493709500	0.1015070100	-0.0275602460	-3.311530e-01	-0.0677771880
## 61	-0.2627504900	0.1678713400	-0.0339976270	-3.658637e-01	0.0241406570
## 62	-0.2397901300	0.1770855900	0.0144263590	-2.719595e-01	0.0269060960
## 63	-0.1712985500	0.1198520700	0.0037223769	-2.070442e-01	0.1487609600
## 64	-0.1168215900	0.1344284200	-0.1509985600	-2.744124e-01	-0.0482352410
## 65	-0.1995546600	0.1824384000	-0.1560980000	-8.649975e-01	-0.8984320900
## 66	-0.1442340900	0.0831693480	-0.0304638580	-8.359855e-01	0.0295945210
## 67	0.3453962500	-0.7042606300	0.6669891000	7.966513e-01	-0.7210751300
## 68	0.3261378600	-0.6809566900	0.6648192900	8.357193e-01	-0.7336288200
## 69	0.0421106840	-0.2161692500	0.3981980900	7.864741e-01	-0.9356094000
## 70	0.1385018600	-0.1017970400	0.0011950869	-2.549271e-01	-0.7239503500
## 71	-0.5449354000	0.6713644400	-0.0603801020	6.580470e-01	-0.5159215700
## 72	-0.5641856200	0.6807938600	-0.0687677270	2.399444e-01	-0.3606972800
## 73	-0.1697146000	0.0809009070	-0.0914833480	3.300118e-01	-0.5381249000
## 74	-0.1089153000	0.2341724000	-0.3718035000	-7.455521e-01	-0.4760578400
## 75	-0.1419442700	0.4113344700	-0.4960309800	-4.057715e-01	-0.0631068440
## 76	-0.0689450390	0.1097676300	0.0033595921	1.395107e-02	-0.1592971300
## 77	-0.2107159900	0.3013578800	0.0222558070	2.427848e-01	0.0072197632
## 78	-0.2438362800	0.3187082700	-0.1143007500	1.611274e-02	-0.0512715210
## 79	0.2969900000	-0.1576192900	-0.0746068730	-1.248457e-01	-0.0092711975
## 80	0.3202996200	-0.2042059300	-0.0823224150	-2.121580e-01	-0.0600914350
## 81	0.1423576300	0.0376951070	-0.2759246900	-1.877042e-01	-0.0799682800
## 82	0.2795879000	-0.2120235000	-0.0317331370	-1.957822e-01	-0.1583939700
## 83	0.3113916000	-0.2297358500	-0.0092529195	-2.249659e-01	-0.1841479000
## 84	0.1705442900	-0.1038877300	-0.0732325830	-1.517764e-01	-0.0490540000
## 85	0.3376504100	-0.3865694700	0.1522166200	-4.230655e-02	0.0252521420
## 86	0.0957258450	-0.0009630676	-0.1766156900	-4.756858e-02	-0.0696981330
## 87	0.2887892800	-0.0650766730	-0.1957878300	-2.038029e-01	-0.0330518080
## 88	0.3816976100	-0.3255126200	-0.0225411370	-2.104071e-01	-0.0674707490
## 89	0.0363202360	0.0648191620	-0.2339910400	-2.024814e-01	-0.0612493110
## 90	0.0049017780	0.1395022500	-0.3087620200	-1.955245e-01	-0.1614084700
## 91	0.4158694200	-0.3691926500	0.0001826986	-2.539221e-01	-0.2604583400
## 92	0.5263249100	-0.4780653800	0.0295739430	-2.397798e-01	-0.1092546800
## 93	0.0881346380	0.0434915880	-0.2708236900	-1.448785e-01	-0.0656227310
## 94	-0.1632129900	0.3696232900	-0.4168269900	-1.211412e-01	-0.1515387900
## 95	-0.0009332269	0.3627513900	-0.5266380000	-1.282992e-01	-0.1807586400
## 96	0.0667015530	0.1312837800	-0.2271152000	-1.194589e-01	-0.1798802500

## 97	0.1187552900	0.0793781760	-0.2269273000	-9.337665e-02	-0.1896241300
## 98	0.3376085400	-0.3465425000	0.0681288830	-3.242290e-02	-0.1216794800
## 99	0.0660974830	0.0681246290	-0.1848185900	-1.287626e-01	-0.1187349000
## 100	-0.1504359700	0.2415308000	-0.2485343300	-2.196403e-01	-0.2083377700
## 101	0.0019719244	0.0773905880	-0.2038505700	-2.790335e-01	-0.1681998700
## 102	0.2243709000	-0.1140440900	-0.1642301400	-3.515681e-01	-0.1529819600
## 103	0.3361691200	-0.1830344600	-0.1797897200	-2.635498e-01	-0.1672245000
## 104	0.4473442100	-0.3045292300	-0.0909549910	-2.257563e-01	-0.2195934000
## 105	0.2775608800	-0.0370754150	-0.2397102900	-2.492598e-01	-0.2462450900
## 106	0.0699016080	-0.0747419570	0.0161344070	-1.625452e-01	-0.0655205790
## 107	0.3366432200	-0.4570654400	0.2370159300	-9.036127e-02	-0.0005706278
## 108	0.2388684700	-0.1982052900	0.0042301328	-8.775835e-02	-0.0816043880
## 109	0.0857172650	0.1716284100	-0.3559197500	-9.515534e-02	-0.1668995900
## 110	0.0025366473	0.1690989200	-0.2848542700	-1.086301e-01	-0.1655157200
## 111	-0.0285421060	0.2331187100	-0.2898922600	-9.795726e-02	-0.1229533900
## 112	0.0249368910	0.0830339640	-0.2322868700	5.006771e-05	0.0200129540
## 113	-0.2983603600	0.5172938900	-0.4946185200	-1.706633e-01	-0.1411361300
## 114	0.0496699390	-0.0524966390	-0.0955234370	-2.054664e-01	-0.1420662700
## 115	0.0158957710	-0.0380736800	-0.0233619180	-3.005895e-01	-0.1468962200
## 116	0.1120752300	0.0051628872	-0.1785690200	-2.878529e-01	-0.2219912000
## 117	0.5654004200	-0.5878516600	0.1525981500	-1.252213e-01	-0.1109243700
## 118	0.4524769100	-0.5212030100	0.2385484700	-8.552456e-02	-0.0092789012
## 119	0.3926830700	-0.4726183800	0.2439408600	-1.206398e-01	-0.0928198750
## 120	0.6935114500	-0.7725431300	0.3400122700	-2.223586e-01	-0.1326753600
## 121	0.6176235100	-0.6530555800	0.3071236800	-1.374920e-01	-0.1123680000
## 122	0.3978868700	-0.5328418400	0.3430759200	-3.712748e-02	-0.1108601800
## 123	0.4525502700	-0.4328987300	0.0939083820	-7.622737e-02	-0.1858889600
## 124	0.4128586800	-0.2371259600	-0.0630533340	-8.712714e-02	-0.1924057100
## 125	0.1669533100	-0.0031563144	-0.1275783800	-1.265371e-01	-0.1133089000
## 126	0.2134513000	-0.0174529920	-0.3993340100	-5.871938e-01	-0.2691976300
## 127	0.1258533800	-0.2220307000	-0.0538405820	-6.596103e-01	-0.1535011800
## 128	0.1320681600	-0.1871316400	-0.0385648930	-5.753611e-01	-0.1041986400
## 129	0.1374156600	-0.1782515300	-0.0910097570	-4.923729e-01	-0.2614545900
## 130	0.1959418500	-0.2149386700	-0.0191101170	-3.377426e-01	-0.1969422100
## 131	0.3791193900	-0.2360264200	-0.1122121600	-2.651824e-01	-0.2678067000
## 132	0.2848450500	-0.1495702400	-0.2307625000	-3.612827e-01	-0.3545122700
## 133	-0.0972052890	0.3475180800	-0.5080114800	-3.336542e-01	-0.0830835860
## 134	-0.1716386500	0.3118637600	-0.3841874900	-3.953582e-01	-0.0405647990
## 135	-0.1143704100	0.3026597700	-0.3317991900	-6.094743e-01	-0.2593937000
## 136	0.1489371900	0.0536147230	-0.2171496500	-3.820610e-01	-0.1592693500
## 137	-0.0282579430	0.2760362100	-0.4243693500	-3.724306e-01	-0.1634404100
## 138	0.3422565200	-0.3518843300	0.0066161681	-4.865320e-01	-0.0624772830
## 139	0.4549318500	-0.5591216100	0.2166410300	-4.783699e-01	-0.0786091990
## 140	0.1937679200	0.0201547800	-0.3244115100	-4.367121e-01	-0.1582265900
## 141	0.0385445310	0.1458362200	-0.3213856600	-4.280787e-01	-0.1666911100
## 142	0.0249746670	0.1180420000	-0.2455756100	-5.220044e-01	-0.1576972000
## 143	0.1897842500	-0.1060551700	-0.2190495700	-6.762635e-01	-0.3523453600
## 144	0.1196990900	-0.0108645610	-0.2968996800	-6.200635e-01	-0.1697550300
## 145	0.4178201700	-0.1645274300	-0.2511849300	-4.855151e-01	-0.0353774010
## 146	0.3515502600	-0.1307255000	-0.2059653400	-4.099663e-01	0.1556703400

## 147	0.2747174400	-0.1178965700	-0.2246371100	-3.733151e-01	0.0995227460	
## 148	0.1079727800	0.0976901300	-0.4067888800	-4.819404e-01	-0.3182052400	
## 149	-0.0678631230	0.3236749900	-0.5670279400	-5.570271e-01	-0.1561753800	
## 150	-0.0524024260	0.3752422600	-0.6058914100	-4.733197e-01	0.0049905294	
## 151	0.6938141800	-0.4964436300	0.0002531773	-3.359355e-01	-0.2625037600	
## 152	0.6685706900	-0.4552497800	0.0340995950	-3.240915e-01	-0.2406694300	
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## 154	0.3474768600	-0.4542314800	0.3476278000	-3.287347e-01	-0.2200770600	
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## 157	0.0078347186	0.1628089300	-0.1095510000	-3.052085e-01	0.0146259940	
## 158	0.0286060340	0.1484822700	-0.0978122300	-2.624055e-01	-0.1184024100	
## 159	0.0655124200	0.0660600740	-0.0644211610	-4.141810e-01	-0.2820551200	
## 160	0.4375746400	-0.2082051700	-0.0415364860	-5.370451e-01	-0.3022801800	
## 161	0.7373444600	-0.6629277700	0.1900764600	-2.916280e-01	-0.1349240800	
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## 168	0.0571998980	0.2540648200	-0.1564583200	-3.493923e-01	-0.2034586800	
## 169	0.1964214800	-0.0463825880	-0.0064542750	-3.951242e-01	-0.2843702600	
## 170	0.0940144090	-0.0824709350	0.0925669680	-3.025821e-01	-0.0523579470	
## 171	0.0564540520	0.0494732690	-0.0021022500	-2.911580e-01	-0.0690125940	
## 172	0.2078236100	-0.1109792400	0.0445997120	-3.970664e-01	-0.2196671900	
## 173	0.2699612900	-0.2462209700	0.1762448100	-3.177100e-01	-0.1666055300	
## 174	-0.0029246991	0.1212560000	0.0196167960	-2.993451e-01	-0.1516071700	
## 175	-0.0881849380	0.1570079200	0.0822624100	-3.921217e-01	-0.1675507700	
## 176	0.3075624400	-0.3796028800	0.2657120700	-4.929229e-01	-0.1580665000	
## 177	-0.3961197300	0.3778852700	-0.2034921100	7.751888e-01	-0.8093484700	
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## 2	0.579381690	0.96656113	-0.14155127	0.109378810	-0.9974113	-0.989447
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## 3	0.608900140	0.96687810	-0.14200984	0.101883920	-0.9995740	-0.992865
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## 4	0.507458870	0.96761519	-0.14397645	0.099850143	-0.9966456	-0.981392
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## 5	0.599212960	0.96822440	-0.14875022	0.094485896	-0.9984293	-0.988098
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## 6	0.180424440	0.96794820	-0.14820997	0.091909715	-0.9989793	-0.986753
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## 7	0.610845430	0.96792950	-0.14428214	0.093144628	-0.9993325	-0.988574
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## 9	0.724234330	0.96848115	-0.15437401	0.085118255	-0.9977894	-0.975645

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## 12	0.165559700	0.96925328	-0.15006376	0.082931213	-0.9981272	-0.994820
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## 13	0.113964530	0.96899630	-0.15236210	0.083150803	-0.9991516	-0.987307
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## 18	0.128379300	0.95306401	-0.26471825	-0.011556695	-0.9986322	-0.992383
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## 19	0.030811416	0.95360569	-0.26305774	-0.011094388	-0.9987754	-0.996971
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## 21	0.205717490	0.95313551	-0.26343690	-0.012458678	-0.9990282	-0.994644
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##	120	0.275796590	0.95185590	-0.24777784	-0.017583652	-0.9933037	-0.975239
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##	121	0.237502190	0.95268931	-0.24891956	-0.014215047	-0.9912135	-0.975571
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##	125	0.387301680	0.95142625	-0.24835088	-0.038483845	-0.9832895	-0.958240
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##	126	0.120421110	0.93118552	-0.25003777	-0.026669006	-0.9366332	-0.913970
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##	127	0.041603719	0.94706198	-0.23048890	-0.015551600	-0.9471599	-0.952720
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##	131	0.183162710	0.95466327	-0.20692497	-0.027482422	-0.9487934	-0.939861
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## 160	0.265972390	0.90583998	-0.35284871	-0.058087649	-0.9689315	-0.967712	
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## 161	0.148378360	0.89842695	-0.35619280	-0.058276382	-0.9562027	-0.974383	
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## 162	0.053414827	0.89521737	-0.35579600	-0.053499951	-0.9649149	-0.972018	
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## 163	-0.005304138	0.89888016	-0.35213276	-0.053521841	-0.9730049	-0.982881	
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## 167	0.141583590	0.89102832	-0.36713357	-0.068768534	-0.9822345	-0.984464	
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## 168	0.128253490	0.92556435	-0.32223589	-0.055344152	-0.8909106	-0.862688	
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## 169	0.253814330	0.90540474	-0.34505404	-0.057998853	-0.9702714	-0.976796	
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## 170	0.220374600	0.89978807	-0.35076356	-0.057967327	-0.9609998	-0.966268	
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## 171	0.138790740	0.89780902	-0.35321481	-0.043385721	-0.9651225	-0.971556	
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## 172	0.121377090	0.90029946	-0.34325537	-0.049161113	-0.9692264	-0.955759	
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## 174	0.157232250	0.89390779	-0.34204157	-0.047549591	-0.9692694	-0.980834	
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## 175	0.130051740	0.89933954	-0.34513520	-0.043482550	-0.9702121	-0.988465	
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## 176	0.272313490	0.90021460	-0.34601613	-0.055663886	-0.9782337	-0.985954	
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## 177	-0.393310780	0.92902391	-0.33682804	0.016850711	-0.9419545	-0.936734	
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##	NA	NA	NA	NA	NA	NA	
## 1	-0.8776250	-0.9850014	-0.98441622	-0.8946774	0.89205451	-0.16126549	
## 2	-0.9316387	-0.9978836	-0.98961366	-0.9332404	0.89206031	-0.16134256	
## 3	-0.9929172	-0.9996353	-0.99260493	-0.9929343	0.89240056	-0.16371122	
## 4	-0.9784764	-0.9964569	-0.98096181	-0.9784558	0.89381715	-0.16371122	
## 5	-0.9787449	-0.9984112	-0.98865390	-0.9789355	0.89381715	-0.16678620	
## 6	-0.9973064	-0.9990540	-0.98658395	-0.9974188	0.89368344	-0.16697042	
## 7	-0.9920159	-0.9993531	-0.98892160	-0.9916701	0.89336965	-0.16557052	
## 8	-0.9765688	-0.9980319	-0.97316420	-0.9774092	0.89420478	-0.16557052	
## 9	-0.9689613	-0.9977448	-0.97608723	-0.9685698	0.89420478	-0.16788110	
## 10	-0.9967423	-0.9974103	-0.99063400	-0.9977465	0.89477777	-0.17596367	
## 11	-0.9946927	-0.9973858	-0.98585056	-0.9947444	0.89494092	-0.17248553	
## 12	-0.9923011	-0.9981043	-0.99494978	-0.9922891	0.89494092	-0.17248553	

## 13	-0.9936129	-0.9991870	-0.98674895	-0.9936141	0.89436796	-0.17260590
## 14	-0.9951105	-0.9996147	-0.99420710	-0.9954154	0.89436796	-0.17551413
## 15	-0.8678738	-0.9649788	-0.81020875	-0.8613914	0.87758813	-0.27775430
## 16	-0.9711946	-0.9959044	-0.97876537	-0.9738571	0.87815990	-0.27775430
## 17	-0.9710365	-0.9992863	-0.99344395	-0.9711787	0.87815990	-0.28062914
## 18	-0.9907275	-0.9986487	-0.99196677	-0.9911836	0.87888016	-0.28303343
## 19	-0.9949339	-0.9987843	-0.99737161	-0.9954827	0.87908726	-0.28300845
## 20	-0.9942280	-0.9987563	-0.99563345	-0.9942105	0.87908726	-0.28300845
## 21	-0.9967510	-0.9990762	-0.99477697	-0.9968874	0.87877147	-0.28187025
## 22	-0.9953633	-0.9989448	-0.99516342	-0.9952745	0.87861680	-0.28149769
## 23	-0.9970673	-0.9982740	-0.99192076	-0.9972250	0.87861680	-0.28149769
## 24	-0.9929260	-0.9984813	-0.99229577	-0.9926404	0.87858596	-0.28236083
## 25	-0.9947593	-0.9973815	-0.99183216	-0.9950022	0.87914624	-0.28155480
## 26	-0.9904706	-0.9978003	-0.98821777	-0.9901275	0.87998110	-0.28034554
## 27	-0.9977377	-0.9990039	-0.99721134	-0.9977446	0.87998110	-0.28034554
## 28	-0.3424433	-0.8070290	-0.24906181	-0.3549577	0.86053314	0.15158093
## 29	-0.9108816	-0.9662215	-0.90545900	-0.9083802	0.79063055	0.15158093
## 30	-0.9644004	-0.9835012	-0.95026012	-0.9702931	0.76602185	0.14608124
## 31	-0.9623296	-0.9925898	-0.96697260	-0.9714350	0.76878451	0.14121255
## 32	-0.8496976	-0.8195177	-0.74514483	-0.8815670	0.76878451	0.28506416
## 33	-0.6429910	-0.5821263	-0.52328313	-0.6281372	0.76859123	0.39183539
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## 36	-0.9884872	-0.9861994	-0.99189720	-0.9879712	0.55810315	0.37855379
## 37	-0.9938105	-0.9949611	-0.99714640	-0.9936415	0.55392299	0.37855379
## 38	-0.9954126	-0.9960857	-0.99843319	-0.9953390	0.55365758	0.37906927
## 39	-0.9647259	-0.9370363	-0.89325027	-0.9636576	0.83656109	0.15701761
## 40	-0.9916416	-0.9796389	-0.91606771	-0.9937261	0.81832977	0.11045559
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## 42	-0.9971592	-0.9974884	-0.98802014	-0.9977504	0.80246354	0.11069293
## 43	-0.9988424	-0.9977252	-0.98925193	-0.9988615	0.80246354	0.11265524
## 44	-0.9991578	-0.9966432	-0.98346329	-0.9993407	0.80216168	0.11441559
## 45	-0.9886546	-0.9947974	-0.98675171	-0.9881493	0.80274896	0.11441559
## 46	-0.9941439	-0.9957103	-0.99081959	-0.9944415	0.80274896	0.11452424
## 47	-0.9973055	-0.9979398	-0.98776196	-0.9973337	0.80180866	0.11586273
## 48	-0.9960581	-0.9983953	-0.99274591	-0.9961168	0.80079378	0.11586273
## 49	-0.9901727	-0.9956591	-0.99086978	-0.9896259	0.80079378	0.11802751
## 50	-0.9945719	-0.9969030	-0.99145343	-0.9949638	0.80001788	0.11814495
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## 52	-0.8953808	-0.7796283	-0.98909036	-0.9055274	-0.27190525	0.72922751
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## 55	-0.9987791	-0.9956783	-0.99845471	-0.9988421	-0.27787264	0.72357116
## 56	-0.9967349	-0.9995290	-0.99865509	-0.9966065	-0.27787264	0.72351873
## 57	-0.9971625	-0.9996943	-0.99926437	-0.9971102	-0.27772943	0.72351892
## 58	-0.9987835	-0.9992598	-0.99942256	-0.9987474	-0.27768159	0.72356338
## 59	-0.9965147	-0.9984296	-0.99625293	-0.9965923	-0.27682849	0.72356338
## 60	-0.9981241	-0.9955722	-0.99822398	-0.9980635	-0.27547292	0.72298922
## 61	-0.9933964	-0.9981769	-0.99721976	-0.9931961	-0.27528116	0.72195521
## 62	-0.9965967	-0.9975811	-0.99729412	-0.9965500	-0.27528116	0.72215517

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## 64	-0.9950377	-0.9993249	-0.99781397	-0.9950940	-0.27609877	0.72219350
## 65	-0.6209975	-0.3463535	-0.79902122	-0.6530078	0.36664438	0.74614387
## 66	-0.9878637	-0.9030288	-0.91242159	-0.9878156	-0.09105842	0.74614387
## 67	-0.8983603	-0.8844499	-0.97152843	-0.9206798	-0.09105842	0.71852391
## 68	-0.3907488	-0.3078933	-0.66781494	-0.3652307	-0.09120731	0.71852391
## 69	-0.7065995	-0.7410485	-0.83631900	-0.7287563	-0.23357869	0.67692652
## 70	-0.6899307	-0.7788886	-0.78295239	-0.6857142	-0.35176655	0.70576907
## 71	-0.7863002	-0.5989351	-0.77322415	-0.8119443	-0.35176655	0.72043391
## 72	-0.1476819	-0.2195045	0.05988672	-0.1234625	-0.36339946	0.72043391
## 73	-0.5178259	-0.8591859	0.15004568	-0.5374864	-0.68315372	0.50525393
## 74	-0.9568793	-0.9745790	-0.73395513	-0.9556052	-0.81772530	0.09076908
## 75	-0.9854585	-0.9825428	-0.87564566	-0.9863543	-0.81772530	-0.07110420
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## 77	-0.9983059	-0.9918655	-0.97885908	-0.9983689	-0.82113745	-0.06068677
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## 79	-0.9325598	-0.9865515	-0.93444225	-0.9397844	0.88005207	-0.25256414
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## 81	-0.9719092	-0.9630463	-0.95550839	-0.9740660	0.88473147	-0.27006233
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## 90	-0.9510834	-0.9899453	-0.99398517	-0.9506659	0.87181197	-0.27410086
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## 95	-0.9689511	-0.9788154	-0.97912892	-0.9711268	0.88908035	-0.26921671
## 96	-0.9739678	-0.9709738	-0.99016108	-0.9745560	0.88010356	-0.26817522
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## 99	-0.8278583	-0.9865829	-0.98709706	-0.8279639	0.88664463	-0.27561477
## 100	-0.9450995	-0.9624718	-0.97989128	-0.9516853	0.88545050	-0.27945590
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## 109	-0.9599631	-0.9899727	-0.93726268	-0.9619633	0.88192907	-0.25765371
## 110	-0.9534891	-0.9718849	-0.98270185	-0.9563858	0.88192907	-0.27423586
## 111	-0.9536512	-0.9862648	-0.96775974	-0.9562875	0.87501694	-0.27087232
## 112	-0.9339864	-0.9201434	-0.95869297	-0.9300542	0.88880570	-0.27450605

## 113	-0.9657571	-0.9707412	-0.98416902	-0.9687329	0.86740799	-0.28172208
## 114	-0.9599043	-0.9754735	-0.99197930	-0.9609811	0.87494868	-0.28707714
## 115	-0.9685259	-0.9903001	-0.97290746	-0.9707441	0.87494868	-0.27223115
## 116	-0.9536348	-0.9904693	-0.96123405	-0.9563447	0.87444833	-0.26764716
## 117	-0.9730631	-0.9856214	-0.98505566	-0.9732698	0.87372448	-0.26764716
## 118	-0.9675878	-0.9855547	-0.97077551	-0.9691922	0.87610052	-0.26019008
## 119	-0.9654091	-0.9806823	-0.98198317	-0.9660454	0.87770547	-0.26019008
## 120	-0.9720661	-0.9936926	-0.97391806	-0.9733163	0.87967040	-0.26026651
## 121	-0.9692397	-0.9917804	-0.97672467	-0.9701710	0.88150210	-0.25878406
## 122	-0.9538519	-0.9876906	-0.97069110	-0.9533395	0.88150210	-0.25582598
## 123	-0.9420806	-0.9889337	-0.98384881	-0.9542371	0.88006761	-0.25442954
## 124	-0.9536163	-0.9872036	-0.97562728	-0.9532280	0.88227103	-0.25442954
## 125	-0.9563340	-0.9839801	-0.95906358	-0.9579043	0.88227103	-0.25447335
## 126	-0.9243229	-0.9363511	-0.90955760	-0.9275042	0.87762900	-0.24563032
## 127	-0.9576926	-0.9501464	-0.96075859	-0.9613339	0.88533288	-0.24239658
## 128	-0.9379008	-0.9787076	-0.95654129	-0.9417943	0.89149757	-0.22692770
## 129	-0.8877400	-0.9694957	-0.96075280	-0.8955854	0.89149757	-0.22692770
## 130	-0.9231824	-0.9659178	-0.97006138	-0.9298336	0.89041087	-0.23018371
## 131	-0.9265631	-0.9468116	-0.93970358	-0.9282202	0.89911060	-0.21335217
## 132	-0.9020917	-0.9644133	-0.93672362	-0.9042207	0.89911060	-0.21335217
## 133	-0.8968745	-0.9814308	-0.97090315	-0.8893506	0.88381909	-0.22561488
## 134	-0.9541306	-0.9804641	-0.97710971	-0.9624668	0.88529275	-0.22736706
## 135	-0.8046598	-0.9591158	-0.90260051	-0.7981927	0.86122098	-0.26775483
## 136	-0.8733863	-0.9663829	-0.96043347	-0.8835338	0.86193314	-0.26775483
## 137	-0.8453429	-0.9427734	-0.96940866	-0.8510353	0.89573844	-0.27425888
## 138	-0.8866828	-0.9276175	-0.93583588	-0.8815521	0.89573844	-0.27803545
## 139	-0.9001673	-0.9507211	-0.94053423	-0.9015043	0.89471726	-0.27970303
## 140	-0.8586344	-0.9444960	-0.97589741	-0.8472010	0.88382428	-0.27967171
## 141	-0.8540047	-0.9479281	-0.95123739	-0.8463569	0.88382428	-0.26187200
## 142	-0.9309032	-0.9663582	-0.94102842	-0.9455538	0.87229250	-0.25779844
## 143	-0.9081459	-0.9634241	-0.95051935	-0.9093625	0.86509399	-0.28334968
## 144	-0.9119875	-0.9703318	-0.96272825	-0.9113935	0.86907565	-0.27441265
## 145	-0.8794782	-0.9655898	-0.96447870	-0.8741596	0.88566643	-0.26297790
## 146	-0.8637939	-0.8749914	-0.90849912	-0.8613479	0.88566643	-0.26297790
## 147	-0.8905265	-0.9254110	-0.89959722	-0.8958176	0.86823587	-0.25422571
## 148	-0.8068552	-0.8988002	-0.94057255	-0.7942401	0.87884277	-0.25422571
## 149	-0.9116543	-0.9615243	-0.94599371	-0.9128009	0.87884277	-0.25432613
## 150	-0.8497507	-0.9772517	-0.94349905	-0.8494498	0.87233970	-0.25926055
## 151	-0.8159506	-0.8795637	-0.86285283	-0.8104719	0.90079381	-0.26524516
## 152	-0.9477867	-0.9438424	-0.91879986	-0.9516422	0.85772789	-0.30609790
## 153	-0.9422135	-0.9739663	-0.98030469	-0.9419928	0.83980952	-0.34053938
## 154	-0.9235535	-0.9561587	-0.97152084	-0.9281716	0.85578691	-0.33498294
## 155	-0.8740531	-0.9552706	-0.97834965	-0.8818617	0.85874440	-0.33498294
## 156	-0.9069198	-0.9574852	-0.96565882	-0.9105711	0.85874440	-0.32447691
## 157	-0.9006000	-0.9715476	-0.96334430	-0.9031788	0.85018603	-0.32447691
## 158	-0.8443183	-0.9687665	-0.94730955	-0.8592964	0.85018603	-0.32829126
## 159	-0.8845049	-0.8627256	-0.79911975	-0.8880344	0.90450272	-0.27441919
## 160	-0.9449536	-0.9738348	-0.97381295	-0.9501129	0.85140038	-0.35104229
## 161	-0.9339169	-0.9580409	-0.97531355	-0.9356815	0.83457614	-0.36845172
## 162	-0.9403388	-0.9674005	-0.97236555	-0.9391509	0.83068058	-0.36739010

## 163	-0.9326014	-0.9747787	-0.98385244	-0.9305905	0.83408007	-0.36506228
## 164	-0.9109204	-0.9777273	-0.97675249	-0.9127088	0.83408007	-0.35897921
## 165	-0.9214327	-0.9812248	-0.96660902	-0.9229699	0.83363914	-0.35897921
## 166	-0.9015606	-0.9671021	-0.94988374	-0.9084903	0.83363914	-0.35901861
## 167	-0.9143448	-0.9842908	-0.98432912	-0.9181932	0.82193230	-0.37906566
## 168	-0.9000224	-0.8939026	-0.86329753	-0.9108653	0.89189045	-0.29667249
## 169	-0.9333011	-0.9747395	-0.97865030	-0.9370900	0.84791417	-0.35023616
## 170	-0.8964131	-0.9630843	-0.96894848	-0.9005420	0.83457602	-0.35949153
## 171	-0.8949603	-0.9673889	-0.97316497	-0.9016426	0.83457602	-0.35894558
## 172	-0.8984024	-0.9736226	-0.95435213	-0.9017826	0.83562655	-0.34974295
## 173	-0.9056410	-0.9665123	-0.98501391	-0.9169679	0.83562655	-0.34974295
## 174	-0.8909574	-0.9707464	-0.98123248	-0.8937157	0.82917445	-0.35453055
## 175	-0.9296949	-0.9751292	-0.98917212	-0.9322659	0.83302655	-0.36125164
## 176	-0.8972809	-0.9802907	-0.98610197	-0.9013528	0.83302655	-0.36007293
## 177	-0.8609530	-0.9421767	-0.93420554	-0.8770154	0.87990029	-0.33799141
##	NA	NA	NA	NA	NA	NA
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## 1	0.1246597700	0.97743631	-0.12321341	0.05648273	-0.375425960	0.8994
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## 2	0.1225857300	0.98452014	-0.11489334	0.10276411	-0.383429550	0.9078
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## 3	0.0945658430	0.98677010	-0.11489334	0.10276411	-0.401601600	0.9086
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## 4	0.0934246740	0.98682105	-0.12133575	0.09575265	-0.400278090	0.9106
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## 5	0.0916823890	0.98743352	-0.12183357	0.09405935	-0.400476520	0.9122
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## 6	0.0833471210	0.98772183	-0.12183357	0.09405935	-0.409358500	0.9115
026						
## 7	0.0852057250	0.98772183	-0.12009236	0.09408513	-0.416761170	0.9114
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## 8	0.0852057250	0.98792586	-0.12855866	0.08589826	-0.412938330	0.9129
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## 9	0.0844736590	0.98775397	-0.12976410	0.08320776	-0.409741760	0.9129
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## 10	0.0734881970	0.98775397	-0.12976410	0.08304755	-0.415967090	0.9127
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## 11	0.0735985160	0.98782618	-0.12692295	0.08304755	-0.424134380	0.9148
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## 12	0.0746622150	0.98861347	-0.12340878	0.08312911	-0.425805890	0.9149
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## 13	0.0746622150	0.98861347	-0.12646746	0.08377174	-0.419471890	0.9142
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## 14	0.0740879000	0.98889992	-0.12646746	0.08355774	-0.418105800	0.9144
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## 15	-0.0073619503	0.94674897	-0.31953731	-0.04733557	-0.219787170	0.8509
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## 16	-0.0073619503	0.96863457	-0.24813963	-0.01484361	-0.333948070	0.8695
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## 17	-0.0084768639	0.97277627	-0.23590783	-0.01077803	-0.316175690	0.8713

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## 18	-0.0167097920	0.97297016	-0.23590783	-0.01077803	-0.306254790	0.8722
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## 19	-0.0192574400	0.97325777	-0.23427394	-0.01058620	-0.310957810	0.8736
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## 20	-0.0192574400	0.97336429	-0.23399273	-0.01039970	-0.308919580	0.8736
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## 21	-0.0200732030	0.97318829	-0.23399273	-0.01041187	-0.307186790	0.8724
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## 22	-0.0197855860	0.97318829	-0.23351308	-0.01041187	-0.312462240	0.8725
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## 23	-0.0197855860	0.97269154	-0.23493193	-0.01014215	-0.312454430	0.8723
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## 24	-0.0197913840	0.97263986	-0.23580584	-0.01141315	-0.303045530	0.8713
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## 25	-0.0199391930	0.97263986	-0.23580584	-0.01141315	-0.300880270	0.8726
692						
## 26	-0.0182799050	0.97384493	-0.23540523	-0.01116071	-0.312623080	0.8752
269						
## 27	-0.0182088790	0.97436858	-0.23064937	-0.00831573	-0.319047640	0.8762
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## 28	0.4068831600	0.84957326	-0.19754314	0.11301998	0.081578730	0.6724
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## 29	0.4068831600	0.84957326	0.12128980	0.38425838	0.291067140	0.5770
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## 30	0.3914289800	0.85049913	0.16770112	0.38425838	0.233984890	0.5801
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## 31	0.3761470800	0.85834757	0.16770112	0.36469057	0.226249370	0.5845
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## 32	0.4400583000	0.71629126	0.17443494	0.36126111	0.304187750	0.5194
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## 33	0.4854609600	0.62498772	0.19868948	0.36126111	0.559439660	0.2813
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## 34	0.4854609600	0.62498772	0.34623514	0.45720250	0.766441230	0.0975
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## 35	0.4787752700	0.62614858	0.43370891	0.46379792	0.768050350	0.1048
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## 36	0.4534725600	0.65132063	0.43370891	0.46379792	0.753542700	0.1156
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## 37	0.4534725600	0.65132063	0.43508944	0.46583901	0.755307270	0.1113
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## 38	0.4529781600	0.65179327	0.43715959	0.46583901	0.755700590	0.1122
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## 39	0.3287717600	0.89503171	0.11467318	0.32643081	0.083786145	0.7130
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## 40	0.3181697800	0.89495487	0.11750282	0.32643081	0.074987893	0.6769
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## 41	0.3137014900	0.89495487	0.15705003	0.32602192	0.108899690	0.6726
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## 42	0.3133852700	0.89682418	0.16094201	0.32550439	0.107575190	0.6767

512						
## 43	0.3122672100	0.89708448	0.16094201	0.32550439	0.104898750	0.6767
314						
## 44	0.3122672100	0.89639725	0.16114168	0.32537929	0.113428940	0.6740
698						
## 45	0.3122656000	0.89639725	0.16424515	0.32168640	0.111031090	0.6751
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## 46	0.3112591100	0.89651331	0.16424515	0.32168640	0.104885390	0.6755
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## 47	0.3095069700	0.89631390	0.16504084	0.32193868	0.111487380	0.6725
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## 48	0.3104782100	0.89631390	0.16844061	0.32197110	0.113037040	0.6724
961						
## 49	0.3119598000	0.89443607	0.16844061	0.32197110	0.115703490	0.6712
211						
## 50	0.3119598000	0.89441143	0.16910986	0.32277681	0.120734860	0.6687
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## 51	0.3110137500	0.89441143	0.16737981	0.32198032	0.113311000	0.6709
169						
## 52	0.6191207200	-0.28910234	0.78650142	0.57843842	0.368618560	-0.9535
798						
## 53	0.5765647100	-0.19419584	0.78712383	0.57843842	0.440459930	-0.9356
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## 54	0.5767372100	-0.16510276	0.78665169	0.58983598	0.450064320	-0.9350
424						
## 55	0.5767372100	-0.16510276	0.78619681	0.59186563	0.447276670	-0.9354
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## 56	0.5765698400	-0.16347696	0.78619681	0.59097868	0.446838440	-0.9350
401						
## 57	0.5763689500	-0.16308855	0.78638623	0.59097868	0.447376250	-0.9350
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## 58	0.5763689500	-0.16325144	0.78655448	0.59155497	0.448501840	-0.9349
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## 60	0.5773375900	-0.16324532	0.78503566	0.59236945	0.448776250	-0.9344
805						
## 61	0.5792444600	-0.16163737	0.78402049	0.59239306	0.451752340	-0.9338
694						
## 62	0.5792444600	-0.16166286	0.78402049	0.59331901	0.453336070	-0.9339
365						
## 63	0.5798202300	-0.16166323	0.78418985	0.59385090	0.453747940	-0.9341
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## 64	0.5801874900	-0.16166323	0.78468248	0.59385436	0.455311460	-0.9341
794						
## 65	0.5312358700	-0.03426609	0.64514204	0.34610209	0.674385650	-0.7308
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## 66	0.5312358700	-0.03426609	0.76798308	0.54146828	0.620643080	-0.8321
693						
## 67	0.5937250800	-0.11339119	0.74281751	0.54146828	0.613785680	-0.8268

637							
## 68	0.7636324000	-0.36104164	0.63328245	0.54264840	0.429278790	-0.9045	
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## 69	0.7636324000	-0.36185847	0.63328245	0.61363528	0.236426410	-0.9821	
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## 70	0.7632661900	-0.36185847	0.63874326	0.63683422	0.295907890	-0.9811	
324							
## 71	0.7484431500	-0.55514798	0.57169654	0.62982101	0.247990530	-0.9797	
757							
## 72	0.9704630600	-0.70993531	0.15331707	0.62982101	0.108056830	-0.9651	
967							
## 73	0.9923207200	-0.71024001	-0.07983153	0.77041697	-0.147171290	-0.9332	
093							
## 74	0.9923207200	-0.71024001	-0.08034923	0.99103257	-0.389491700	-0.9269	
152							
## 75	0.9839122700	-0.70250277	-0.08034923	0.99385755	-0.447832670	-0.9272	
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## 76	0.9807354100	-0.70250277	-0.03216785	0.99409287	-0.499636310	-0.9258	
913							
## 77	0.9808165700	-0.70197237	-0.01783071	0.99870606	-0.516116490	-0.9270	
915							
## 78	0.9808165700	-0.69884244	-0.01245969	0.99820036	-0.534845450	-0.9277	
975							
## 79	-0.0241668100	0.96074833	-0.24815121	-0.04772735	-0.317103540	0.8519	
749							
## 80	-0.0314515630	0.95340699	-0.24372211	-0.04772735	-0.306691430	0.8410	
625							
## 81	-0.0274236110	0.95340699	-0.24412591	-0.03159370	-0.282875910	0.8547	
949							
## 82	-0.0274236110	0.96273657	-0.24412591	-0.03328399	-0.281754200	0.8706	
566							
## 83	-0.0270335390	0.96076124	-0.23065832	-0.03328399	-0.293295290	0.8567	
440							
## 84	-0.0270335390	0.96076124	-0.22854594	-0.03324623	-0.307329130	0.8531	
366							
## 85	-0.0236319450	0.96667248	-0.22668294	-0.02796058	-0.333493140	0.8647	
956							
## 86	-0.0236319450	0.96117913	-0.21371480	-0.02675544	-0.360906290	0.8619	
782							
## 87	0.0089126250	0.95787983	-0.26532810	-0.06607300	-0.293183660	0.8561	
871							
## 88	-0.0110110140	0.96270813	-0.23106739	-0.05049092	-0.278062470	0.8560	
571							
## 89	-0.0257612100	0.96171457	-0.22684894	-0.05042195	-0.293468590	0.8522	
717							
## 90	-0.0257612100	0.95376412	-0.22702946	-0.03627081	-0.311161550	0.8432	
004							
## 91	-0.0281378310	0.95275431	-0.23571488	-0.04261881	-0.291116720	0.8315	
939							
## 92	-0.0329131320	0.95275431	-0.24326033	-0.04261881	-0.271611620	0.8308	

903						
## 93	-0.0329131320	0.95564078	-0.24326033	-0.03367986	-0.263636690	0.8586
205						
## 94	-0.0329298090	0.96774916	-0.23973123	-0.03424494	-0.263865210	0.8835
772						
## 95	-0.0273542920	0.96367366	-0.22947635	-0.03424494	-0.288659430	0.8766
617						
## 96	-0.0263817520	0.95769745	-0.22707415	-0.02829453	-0.323756210	0.8512
781						
## 97	-0.0188053820	0.95769745	-0.22282497	-0.02829453	-0.356703290	0.8468
743						
## 98	-0.0188053820	0.96157546	-0.21638974	-0.02364588	-0.378299910	0.8607
057						
## 99	0.0203602470	0.96883594	-0.23404071	-0.04293996	-0.283605720	0.8810
812						
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## 124	-0.018115955	0.077219865	-0.206718420	0.36066776	-0.416740200
## 125	-0.055949142	0.109888850	-0.231115910	0.37568530	-0.554374750
## 126	-0.239431420	0.252144460	-0.318367270	0.40520519	-0.428667270
## 127	-0.241560110	0.247717160	-0.306522580	0.38569402	0.175934300
## 128	-0.177332430	0.185051360	-0.249192070	0.33463838	-0.130982920
## 129	-0.190714880	0.215902380	-0.298063020	0.40123905	-0.139526090
## 130	-0.132669220	0.185587930	-0.301243710	0.43900665	-0.044616092
## 131	-0.123046980	0.131700460	-0.200712440	0.29261960	0.034258273
## 132	-0.116312890	0.109293220	-0.162375010	0.23908412	0.093149074
## 133	0.052097774	-0.050635040	-0.023399090	0.12579405	0.042772249
## 134	0.100348170	-0.087986796	0.000424771	0.11519548	0.065077598
## 135	-0.252398140	0.293727750	-0.389846090	0.50609966	-0.253795890
## 136	-0.098365136	0.149467970	-0.265746380	0.40528316	-0.277572790
## 137	-0.208108640	0.216393840	-0.279282960	0.36290976	-0.117815560
## 138	-0.219652060	0.223576460	-0.281024230	0.35896475	-0.098600452
## 139	-0.344726220	0.406524600	-0.517414640	0.64494451	-0.258659260
## 140	-0.215138440	0.258673210	-0.358172060	0.47720802	-0.310501680
## 141	-0.170697310	0.174565190	-0.235850880	0.31948747	-0.211134260
## 142	-0.331851690	0.358675120	-0.433563610	0.52635679	-0.246142380
## 143	-0.107886730	0.159722110	-0.276344050	0.41617972	-0.491137950
## 144	-0.063413715	0.107095180	-0.216146530	0.34774784	-0.461048850
## 145	-0.269236530	0.264203640	-0.309005480	0.37341923	-0.105659110
## 146	-0.186713110	0.170621550	-0.209425980	0.27033994	-0.297103480
## 147	-0.333020320	0.341825930	-0.397261370	0.47066592	-0.439999330
## 148	-0.404590630	0.410926810	-0.458836430	0.52285831	-0.317468760
## 149	-0.359451860	0.369963230	-0.425467700	0.49827599	-0.348755470
## 150	-0.017718450	0.030087636	-0.110719170	0.21744334	-0.284768590
## 151	-0.675263230	0.695023900	-0.738623760	0.79086252	-0.747379540
## 152	-0.653510640	0.695237350	-0.763810620	0.84134660	-0.607567520
## 153	-0.525950800	0.539059640	-0.584278230	0.64065122	-0.585009400
## 154	-0.483135180	0.497218550	-0.546627480	0.60853797	-0.738409440
## 155	-0.403206140	0.419332580	-0.476012430	0.54689832	-0.710298550
## 156	-0.533047210	0.545892380	-0.590870990	0.64735761	-0.792386000
## 157	-0.525518750	0.554254810	-0.617456790	0.69291780	-0.747801050
## 158	-0.455740000	0.504439030	-0.593696740	0.69677013	-0.750576900
## 159	-0.674239410	0.686755180	-0.722821900	0.76778397	-0.739902760
## 160	-0.639490050	0.684405090	-0.757229210	0.83923108	-0.650495130
## 161	-0.496573400	0.513107610	-0.563931240	0.62657990	-0.605945900
## 162	-0.548078650	0.563487090	-0.609977030	0.66734220	-0.614542430
## 163	-0.477202130	0.478616980	-0.514356870	0.56235920	-0.681659030
## 164	-0.456337560	0.470627970	-0.521222540	0.58413879	-0.710690210
## 165	-0.577843260	0.615866150	-0.685090150	0.76474586	-0.818643290
## 166	-0.633427220	0.666494550	-0.726824500	0.79638158	-0.823510440

## 167	-0.525991140	0.548281460	-0.603181980	0.66899591	-0.712496360
## 168	-0.680887250	0.703767930	-0.750338170	0.80538208	-0.783673880
## 169	-0.493417480	0.532944210	-0.609394920	0.69833662	-0.694970760
## 170	-0.400648430	0.412985810	-0.465091670	0.53080213	-0.794528820
## 171	-0.540357640	0.562191680	-0.616037790	0.68084709	-0.782401720
## 172	-0.444868560	0.461486600	-0.516306780	0.58469836	-0.740308280
## 173	-0.327843230	0.331439730	-0.378604860	0.44081543	-0.838665140
## 174	-0.188826480	0.195864490	-0.254203380	0.32917246	-0.805874290
## 175	-0.292753650	0.304753830	-0.363575470	0.43855257	-0.716840380
## 176	-0.195520760	0.188603880	-0.233526390	0.29706475	-0.748958660
## 177	-0.911654730	0.919289360	-0.933570130	0.95017889	-0.915596860
##	NA	NA	NA	NA	NA
## 1	0.995674910	-0.995667590	0.9916526800	0.57022164	0.439027350
## 2	0.834271100	-0.834184380	0.8304639000	-0.83128389	-0.865711080
## 3	0.714392000	-0.723298850	0.7287554200	-0.18108991	0.337935870
## 4	0.386372720	-0.387119880	0.3852630600	-0.99130869	-0.968821390
## 5	0.239267970	-0.241012110	0.2405685100	-0.40833042	-0.184840070
## 6	0.175374770	-0.192767980	0.2079647400	-0.56395092	0.466470700
## 7	0.137692160	-0.146926820	0.1534755700	0.72642714	0.939338110
## 8	0.139172630	-0.135434780	0.1296487800	-0.93336652	-0.859225700
## 9	0.503643180	-0.501648760	0.4967645400	0.34379322	0.552759260
## 10	0.484212970	-0.501090170	0.5149291700	0.64495215	-0.029064172
## 11	0.218620190	-0.270372270	0.3202432100	0.72373488	0.215376830
## 12	-0.001330397	-0.018672222	0.0370087210	-0.35521247	-0.911459530
## 13	0.011595614	-0.029685494	0.0461286670	-0.52808146	-0.222183700
## 14	0.133064460	-0.160370660	0.1858735000	0.39554996	0.960944310
## 15	0.957372130	-0.962738430	0.9642205500	0.98203830	0.920221580
## 16	0.952431630	-0.963825770	0.9714000900	0.58269297	0.640566720
## 17	0.647699600	-0.655915240	0.6610358300	-0.58100374	-0.410601570
## 18	0.300862110	-0.299503650	0.2956171300	0.95408754	0.427760150
## 19	0.198061610	-0.212952260	0.2256588800	0.89428322	0.919807630
## 20	0.195086090	-0.228459250	0.2598830000	0.95136401	0.995251970
## 21	0.157221090	-0.191608250	0.2241376000	-0.35804548	0.877964080
## 22	0.073367805	-0.124665370	0.1743890600	0.79214304	0.957080720
## 23	0.225558840	-0.260831410	0.2940952200	0.97753979	0.775922980
## 24	0.342540240	-0.368328600	0.3916236100	0.36635015	0.150877600
## 25	0.413357490	-0.438679290	0.4615166700	0.69162658	0.570248940
## 26	0.219069060	-0.230046320	0.2387873800	0.89179034	0.959901960
## 27	0.010519388	-0.016319652	0.0199127150	0.62263572	0.258733200
## 28	0.999175350	-0.999206610	0.9952252400	-0.98517456	-0.945233300
## 29	0.964683370	-0.972761390	0.9769686900	-0.95834322	-0.278069980
## 30	0.688682950	-0.685776250	0.6795219400	-0.99885647	-0.936168000
## 31	0.889991130	-0.910690350	0.9277793600	0.02585089	-0.728764920
## 32	0.917271440	-0.923119170	0.9251761100	-0.96909418	-0.866791920
## 33	0.871945870	-0.870981160	0.8662498100	-0.99852677	-0.996976970
## 34	0.984725700	-0.985315760	0.9819241300	-0.89581954	-0.671243120
## 35	0.868714960	-0.867524820	0.8626137700	-0.97138089	-0.990379070
## 36	0.788711090	-0.799348890	0.8063054500	-0.86852325	-0.944639600
## 37	0.087409964	-0.088387918	0.0869538170	-0.53069350	-0.767875990
## 38	0.174520780	-0.180013280	0.1831680500	-0.94810473	-0.952270690

## 39	0.790717570	-0.800250910	0.8063196500	-0.30719120	0.799268600
## 40	0.451366990	-0.452747410	0.4512724100	-0.89131478	0.918474940
## 41	0.224183710	-0.244435100	0.2621744000	0.61938879	-0.760497080
## 42	0.207723600	-0.228229380	0.2460318600	-0.76603311	-0.946097870
## 43	0.141139310	-0.171557230	0.1984566200	-0.90959587	-0.791576230
## 44	0.500719930	-0.547100760	0.5900254500	-0.97755058	-0.311321020
## 45	0.487015640	-0.492218710	0.4943685200	-0.99001829	-0.904479640
## 46	0.446600500	-0.448742530	0.4479316900	-0.92829374	-0.377198760
## 47	0.416847700	-0.435317050	0.4510280600	-0.93743229	-0.677298440
## 48	0.376358590	-0.390435820	0.4019131800	-0.87399669	-0.554137560
## 49	0.369608370	-0.378707420	0.3850626600	-0.95427973	-0.835273220
## 50	0.421752860	-0.433298640	0.4420568200	-0.98835405	-0.264882550
## 51	0.147497000	-0.148001090	0.1461728500	-0.99700436	-0.861551320
## 52	0.831068260	-0.829360330	0.8240084300	0.71344010	-0.833204750
## 53	0.812373780	-0.815582320	0.8151159500	-0.62610554	0.679239450
## 54	0.596652930	-0.613329700	0.6268542300	0.91064228	-0.914827150
## 55	0.197272460	-0.253829690	0.3080469100	-0.97220071	-0.695651880
## 56	0.295550510	-0.319717660	0.3411414200	-0.35166469	0.092731035
## 57	0.226133220	-0.244962900	0.2610549900	0.27118998	0.377904520
## 58	0.163357160	-0.187325510	0.2087644300	0.29181903	-0.555117510
## 59	0.379471320	-0.408234240	0.4337825500	-0.48241492	0.414333670
## 60	0.389767000	-0.407229220	0.4215248100	-0.64717130	0.051824751
## 61	0.264468310	-0.275233880	0.2834177500	-0.47441130	0.629329100
## 62	0.304816590	-0.328216120	0.3492503300	-0.69568082	0.310742600
## 63	0.200948920	-0.230231640	0.2575152500	-0.92878609	0.873693690
## 64	0.034896525	-0.045917474	0.0549754570	-0.70337247	0.819300640
## 65	0.922525040	-0.921796880	0.9172301700	-0.96295314	-0.993694420
## 66	0.795276590	-0.836111260	0.8734130600	-0.88146847	-0.836711230
## 67	0.885410200	-0.895682390	0.9022435700	0.51011115	-0.967858160
## 68	0.883813320	-0.885667480	0.8837750000	0.98876634	-0.997552910
## 69	0.966452210	-0.966020610	0.9616457300	0.71191550	-0.970028810
## 70	0.821186720	-0.828452470	0.8321978500	0.99127114	-0.993942020
## 71	0.721670240	-0.730132850	0.7352435700	0.89506685	-0.728421370
## 72	0.718537400	-0.723689000	0.7255284800	0.94547065	-0.962165970
## 73	0.672932780	-0.668780380	0.6613662000	0.75185900	-0.926334000
## 74	0.944639830	-0.955078670	0.9616988900	-0.93818175	-0.361188150
## 75	0.405888090	-0.402799530	0.3969500200	-0.97701425	0.113494580
## 76	0.297196390	-0.308424340	0.3173553600	0.08318704	0.235487630
## 77	0.066588285	-0.111901860	0.1554537100	0.97611743	0.494528610
## 78	0.090316481	-0.128986390	0.1655723000	-0.20880065	0.281598180
## 79	0.622532570	-0.637410590	0.6484640600	-0.87349292	0.239456570
## 80	0.523359330	-0.552376140	0.5769215500	0.44531729	-0.600650870
## 81	0.353549930	-0.375452750	0.3926931800	0.41248045	0.320266980
## 82	0.410371510	-0.438228360	0.4615731700	0.66525584	0.255814490
## 83	0.408581420	-0.436513360	0.4597097400	0.31343582	-0.057588718
## 84	0.313574730	-0.338306470	0.3581308000	0.66276173	0.023355027
## 85	0.221719880	-0.244104770	0.2612491000	0.73906445	0.116705590
## 86	0.236869720	-0.258241770	0.2745430800	0.43451894	0.171703860
## 87	0.699412040	-0.710891760	0.7188364300	0.71172858	0.727250570
## 88	0.621435120	-0.651822260	0.6789276800	0.32183430	0.033600534

## 89	0.479009740	-0.503153730	0.5232626900	0.44108521	-0.863327770
## 90	0.493811040	-0.517253810	0.5365476600	0.17348556	0.289327590
## 91	0.354566650	-0.378828500	0.3985654000	0.69239516	0.297806810
## 92	0.200315390	-0.224235230	0.2431990300	-0.67805898	0.435077410
## 93	0.097009331	-0.121154500	0.1394392400	0.83920104	-0.004006592
## 94	0.142179830	-0.163425810	0.1792176900	0.88510266	0.062120950
## 95	0.203614540	-0.225199570	0.2419723200	-0.55384003	-0.495752520
## 96	0.285879260	-0.310771040	0.3309361600	0.04022618	-0.130761620
## 97	0.377825130	-0.405520390	0.4282589300	0.93883707	0.604117640
## 98	0.332752830	-0.355764380	0.3739956300	0.80691160	-0.298653240
## 99	0.639045540	-0.661636520	0.6806838700	-0.84847859	-0.525171250
## 100	0.600471680	-0.623768430	0.6434869900	0.89779553	-0.151142620
## 101	0.471328320	-0.495864500	0.5159817900	0.90084112	-0.927033950
## 102	0.129675480	-0.153653180	0.1723037600	0.59841340	0.080005908
## 103	0.125489930	-0.147644430	0.1646196700	-0.45287074	-0.161664620
## 104	0.241799230	-0.270851420	0.2942812800	-0.53239076	-0.480918580
## 105	0.340206120	-0.365763610	0.3862122900	0.35216295	0.512658810
## 106	0.458281860	-0.478536450	0.4943892200	0.75683291	0.606897730
## 107	0.319601980	-0.346186740	0.3675805300	-0.73264336	0.520436380
## 108	0.336046630	-0.368014660	0.3947950500	-0.72015327	-0.199947980
## 109	0.322975940	-0.348205680	0.3687827900	-0.09442878	-0.127943620
## 110	0.374755040	-0.397356880	0.4153870600	0.72059285	0.659739100
## 111	0.473441050	-0.494779050	0.5117767000	0.83727363	0.635741710
## 112	0.366039030	-0.399772260	0.4292457700	0.87494398	0.902083700
## 113	0.504596260	-0.532905590	0.5569133300	0.75452628	0.620291710
## 114	0.423096740	-0.447578010	0.4677548900	-0.38226714	0.721941400
## 115	0.386163640	-0.411755950	0.4323838300	-0.14600036	-0.465935210
## 116	0.408815090	-0.431418620	0.4494892900	-0.42798921	-0.705118080
## 117	0.340738020	-0.366107650	0.3866819300	0.68729290	-0.399465090
## 118	0.388129390	-0.415033160	0.4369640300	0.84484609	-0.075888355
## 119	0.378647930	-0.399538270	0.4158725500	0.56627034	-0.517643810
## 120	0.382774870	-0.403194380	0.4192135500	-0.44440783	-0.370949200
## 121	0.459023120	-0.483846940	0.5042659300	0.54330432	-0.205541080
## 122	0.552047150	-0.579394210	0.6025320800	-0.17878686	0.428122070
## 123	0.556836560	-0.582841040	0.6045343600	0.49664501	-0.142182270
## 124	0.440611700	-0.462875130	0.4808997300	0.44906327	-0.259309540
## 125	0.580970180	-0.606709800	0.6287190600	0.88543089	-0.352648320
## 126	0.443319770	-0.456962040	0.4670266500	0.71524040	-0.091057486
## 127	-0.163759170	0.154714730	-0.1503460400	0.87050378	0.187198350
## 128	0.148854710	-0.165080020	0.1775832700	0.39342479	-0.186650520
## 129	0.155075740	-0.169673290	0.1812426600	0.42504082	0.629553250
## 130	0.063631082	-0.081530003	0.0963706790	0.55000463	-0.188316560
## 131	-0.013638855	-0.005635923	0.0217528000	0.94437565	-0.047818796
## 132	-0.079275363	0.066341130	-0.0560056730	0.91198261	0.202728440
## 133	-0.028934846	0.016402542	-0.0069305298	0.53169324	-0.604102660
## 134	-0.039585949	0.017099742	0.0005580002	0.81986039	0.411259660
## 135	0.278787530	-0.303333860	0.3251063200	-0.03677365	0.336244410
## 136	0.299676590	-0.320642960	0.3381734300	-0.23882202	0.849711940
## 137	0.136060400	-0.153267330	0.1673980900	-0.68978444	-0.770697170
## 138	0.109674810	-0.119870190	0.1272198200	-0.32629363	-0.928492690

## 139	0.273793330	-0.287847140	0.2985497500	-0.65797078	-0.897171080
## 140	0.331896350	-0.352831050	0.3709028600	-0.38613342	-0.922121840
## 141	0.239470160	-0.267664120	0.2934450200	-0.78373962	-0.918658850
## 142	0.274117050	-0.300988540	0.3244371500	0.24988127	-0.191714220
## 143	0.514621630	-0.537463080	0.5569256100	0.22725026	0.714952030
## 144	0.484346610	-0.506763450	0.5256260400	0.87173358	0.837799090
## 145	0.123771100	-0.140616960	0.1541618300	-0.07839806	-0.942720700
## 146	0.319270570	-0.341029010	0.3600236500	0.64025948	-0.885901970
## 147	0.458115650	-0.475356430	0.4891963800	0.31579481	-0.705501730
## 148	0.336138470	-0.354449210	0.3700180400	0.24110468	-0.912397980
## 149	0.372810560	-0.396527180	0.4174181300	0.15866611	-0.547409670
## 150	0.303655040	-0.321820780	0.3369271700	0.11076980	0.084307029
## 151	0.758377300	-0.768719430	0.7753169900	0.98651233	-0.862856940
## 152	0.629121000	-0.649276050	0.6650901600	0.93183045	0.354264290
## 153	0.596472430	-0.606724480	0.6129403600	0.43183190	-0.713109960
## 154	0.749239100	-0.759332080	0.7656135200	0.89569747	0.124088250
## 155	0.723114840	-0.735118950	0.7432700100	0.84115587	-0.041473117
## 156	0.804854500	-0.816661560	0.8246365800	0.06010632	-0.658902840
## 157	0.761888770	-0.775255140	0.7848079100	0.26464963	0.086925372
## 158	0.765626900	-0.779992490	0.7905554400	0.70677488	0.530102670
## 159	0.753497510	-0.766319990	0.7752719100	0.99209148	-0.901002160
## 160	0.667315350	-0.683074190	0.6947971700	0.84790318	-0.384687140
## 161	0.622374980	-0.637560820	0.6486052500	0.80064701	-0.842538160
## 162	0.629120390	-0.642500220	0.6517838500	0.90625510	-0.407668600
## 163	0.695156190	-0.707593120	0.7159662000	0.61816113	-0.524591540
## 164	0.723892700	-0.736135420	0.7443694700	0.44915050	-0.531252010
## 165	0.833893560	-0.848512370	0.8592572600	0.60537139	0.056029641
## 166	0.835762060	-0.847399400	0.8551929300	0.90642551	0.349217640
## 167	0.723309070	-0.733234880	0.7392402100	0.68870615	-0.443331740
## 168	0.797803170	-0.811248760	0.8208357200	0.98684675	-0.768665820
## 169	0.710344420	-0.724745060	0.7351338300	0.83130464	-0.352632930
## 170	0.810154990	-0.825099100	0.8361552700	0.86715669	-0.953762220
## 171	0.797821360	-0.812505720	0.8232727400	0.76504049	-0.402676860
## 172	0.752327780	-0.763554160	0.7709008200	0.01354760	0.131007640
## 173	0.850564300	-0.861947090	0.8695660500	0.51487177	-0.362473390
## 174	0.818561020	-0.830638270	0.8389079900	-0.35165731	-0.349386420
## 175	0.730506590	-0.743232840	0.7519571300	-0.05925671	-0.841905640
## 176	0.760235280	-0.770698650	0.7772508800	0.67969938	-0.463183230
## 177	0.937703380	-0.959486460	0.9776346300	0.80565264	-0.672227670
##	NA	NA	NA	NA	NA
## 1	0.986913120	0.077996345	0.0050008031	-0.0678308080	-0.993519060
## 2	0.974385620	0.074006709	0.0057711041	0.0293766330	-0.995548140
## 3	0.643416990	0.073635962	0.0031040366	-0.0090456308	-0.990742810
## 4	0.984255520	0.077320614	0.0200576420	-0.0098647722	-0.992697370
## 5	0.964796510	0.073444363	0.0191215740	0.0167799790	-0.996420170
## 6	0.443097110	0.077932436	0.0186840460	0.0093444336	-0.994813600
## 7	0.879101780	0.082170765	-0.0170146700	-0.0157981660	-0.995205610
## 8	0.982184820	0.072364228	0.0087478559	-0.0044681354	-0.995272810
## 9	0.968300300	0.075284365	0.0307627040	0.0112119500	-0.996478920
## 10	-0.536138930	0.076369318	0.0125189060	0.0030843751	-0.991155610

## 11	0.821874820	0.071396860	0.0168424410	0.0010303821	-0.991233560
## 12	0.245477790	0.076084514	-0.0023115579	-0.0076736296	-0.998179330
## 13	0.882135060	0.077102002	0.0170271670	-0.0009852394	-0.999191610
## 14	0.384975110	0.077612380	0.0194892230	0.0152076830	-0.996985350
## 15	0.974533900	0.066656163	-0.0683670840	-0.0336076010	-0.990271120
## 16	0.961074840	0.074659313	-0.0012810862	-0.0266366720	-0.995055280
## 17	0.830744770	0.076711586	0.0122518650	0.0100573250	-0.994814890
## 18	0.167302200	0.075254470	0.0154195350	0.0166259460	-0.994978810
## 19	0.990297720	0.075021356	0.0042103143	-0.0051048322	-0.995768510
## 20	0.962633710	0.076113384	0.0184277100	-0.0060482131	-0.996673670
## 21	0.102623770	0.075342269	0.0180557180	-0.0049718288	-0.996116980
## 22	0.852433970	0.073413536	0.0045245992	-0.0058944060	-0.995506170
## 23	0.681226220	0.076943687	0.0054829780	0.0016020823	-0.995691600
## 24	0.968837730	0.078642693	0.0165033420	-0.0000485152	-0.996716670
## 25	0.973541910	0.074924981	0.0099539071	0.0006878857	-0.996835710
## 26	0.979830540	0.074219489	0.0044872377	0.0069293456	-0.996053380
## 27	0.466436050	0.073460968	0.0183722900	0.0014363240	-0.996564060
## 28	0.987133020	0.138057620	-0.3477709900	-0.3352723300	-0.981223570
## 29	0.540735820	0.089548399	-0.0343179740	0.0030597368	-0.992434530
## 30	0.950806810	0.071215441	0.0442441190	0.0203581570	-0.994612200
## 31	-0.639333980	-0.013591322	0.1206858500	0.2287041500	-0.883830410
## 32	0.717182600	0.050456562	0.0908303650	0.0053317431	-0.858030370
## 33	0.990836480	0.178438080	-0.1196644300	-0.2591403400	-0.922428320
## 34	0.271506460	0.098998778	-0.0746125650	-0.0073366086	-0.989699990
## 35	0.929377380	0.062975489	0.0341588900	0.0331706110	-0.993580120
## 36	0.666802380	0.075591498	0.0116948920	-0.0072211967	-0.997407150
## 37	-0.128923090	0.072773826	0.0035293806	-0.0006003336	-0.996468410
## 38	0.973579370	0.076218027	0.0094053857	-0.0080907158	-0.994884130
## 39	0.268684510	0.075301588	0.0826503270	-0.0089599647	-0.984343970
## 40	-0.646515620	0.084520112	-0.0189467350	0.0076682065	-0.990514610
## 41	-0.024223901	0.082081964	-0.0058534975	0.0032024153	-0.994473930
## 42	0.812565330	0.072683070	0.0197391120	0.0040143460	-0.992640490
## 43	0.874763930	0.072130253	0.0199205290	-0.0014860567	-0.993879160
## 44	0.242171380	0.076807626	-0.0042927307	-0.0069884353	-0.995206100
## 45	0.945952940	0.077934405	0.0148880200	0.0120860990	-0.993581830
## 46	0.569817180	0.071543556	0.0196472980	-0.0037668634	-0.992373120
## 47	0.392944760	0.074515662	0.0092694454	-0.0102917220	-0.992774130
## 48	0.086551571	0.078187780	0.0090189325	0.0128729720	-0.992763620
## 49	0.654329420	0.078228258	0.0054201733	0.0013550663	-0.992651140
## 50	0.153320440	0.073647802	0.0083841697	-0.0050818355	-0.993966930
## 51	0.877167310	0.068868220	0.0202240210	0.0069050846	-0.993094440
## 52	-0.898543550	0.023446864	0.0008133385	0.0528113250	-0.947453380
## 53	-0.996068180	0.067178002	0.0156378930	-0.0161861860	-0.992880800
## 54	-0.955034480	0.082498475	0.0083569472	0.0002341825	-0.994888470
## 55	0.775027790	0.073995503	0.0137821200	-0.0073714967	-0.994390370
## 56	-0.746061530	0.077122435	0.0113804070	0.0034761282	-0.994839380
## 57	-0.180067970	0.075608951	0.0123352010	0.0013993239	-0.992366820
## 58	-0.721079260	0.075657984	0.0050748365	-0.0012262263	-0.991940150
## 59	-0.988800920	0.073531787	0.0108241420	-0.0019587455	-0.994697720
## 60	-0.648336420	0.073964485	0.0149245390	-0.0019185204	-0.994359080

## 61	-0.970849660	0.078027424	0.0085359751	-0.0052980182	-0.992207760
## 62	-0.897687630	0.079217587	0.0138712920	0.0020966176	-0.992520960
## 63	-0.720809110	0.074492793	0.0154218820	0.0049166674	-0.993315350
## 64	-0.936930860	0.072594696	0.0102755190	-0.0026395340	-0.991304410
## 65	0.981097850	0.334817790	-0.0873422420	-0.2407832200	-0.919918000
## 66	0.906745080	0.071098045	0.0268274720	0.0401078460	-0.982586510
## 67	-0.548424810	-0.043507411	-0.0537663920	0.1950341900	-0.877628090
## 68	-0.994614660	0.113142680	0.0748063110	-0.1038263700	-0.872571160
## 69	-0.859921620	0.208875360	0.1137279700	-0.2230381700	-0.964188900
## 70	-0.996457210	-0.048777316	0.1454851700	0.1047531500	-0.838929220
## 71	-0.943775260	0.020624221	-0.2687057200	0.2369391400	-0.648242810
## 72	-0.994245840	0.170611230	-0.3848919000	-0.0286405250	-0.673699350
## 73	-0.939956150	0.111612640	0.3056408000	-0.2212343400	-0.905100280
## 74	0.0484449226	0.067194990	0.2242566400	-0.0003273832	-0.974636590
## 75	-0.310577430	0.077417432	-0.0373598080	0.0074256146	-0.975668680
## 76	0.904180110	0.080899203	-0.0004153396	-0.0171794540	-0.992719750
## 77	0.312249470	0.067279115	0.0083881751	0.0005915270	-0.991557230
## 78	-0.941668150	0.071901676	0.0187174500	0.0076429677	-0.987959580
## 79	-0.534151790	-0.156485650	-0.1428529600	-0.1130786900	-0.183759390
## 80	-0.627843410	-0.207554100	0.3578428400	-0.4524009300	-0.108350280
## 81	0.252241800	0.201604470	0.4170822900	0.1390781700	-0.177694590
## 82	-0.133809850	0.336084530	-0.4641435800	-0.0050257445	-0.120486230
## 83	0.645216400	-0.235623390	-0.1117772300	0.1726546000	-0.192433450
## 84	0.382390370	0.115929910	0.2346673100	0.3615051800	-0.245777010
## 85	0.509550280	0.304833180	-0.0949930430	-0.3623950100	-0.101732920
## 86	0.351213560	-0.209168400	0.1750054800	-0.4204220700	-0.015193506
## 87	0.645322810	-0.094394668	0.0130173540	-0.3057948900	-0.306508850
## 88	-0.054385473	-0.174053690	-0.0443091430	-0.3165089400	-0.203232890
## 89	-0.574076020	0.314329000	-0.0372607860	-0.1085885700	-0.172193860
## 90	-0.045858428	0.467070360	-0.3792151900	-0.1268068900	-0.100570230
## 91	0.256652900	-0.233325630	0.0265853330	0.3406615700	-0.155911050
## 92	-0.851399720	0.019032962	0.0742491220	0.2957863500	-0.166518850
## 93	-0.191256020	0.165116690	-0.2504743500	-0.2625337800	-0.116757960
## 94	0.082660132	-0.241610750	0.4464715300	-0.0948297600	-0.043791913
## 95	0.602097130	0.407987300	0.3678247900	-0.1230161700	0.006994980
## 96	0.275045700	0.398623910	-0.3450005200	-0.1626956300	-0.052666233
## 97	0.696189220	-0.168554860	0.0119773580	0.0863083980	-0.080002637
## 98	0.161180140	-0.343985330	0.1807708000	0.3183324700	-0.165296320
## 99	0.481707640	-0.190761150	-0.1583020400	0.2725886000	-0.067573384
## 100	-0.361134430	0.339357550	0.4257825400	0.6341734700	0.015954634
## 101	-0.778051520	0.211715740	-0.2848952700	-0.1670799700	-0.028529194
## 102	0.113480380	-0.190437770	-0.1273733200	-0.4591333100	-0.029343053
## 103	-0.086856164	0.188408430	-0.0879396530	-0.3554996400	-0.138967400
## 104	0.491346450	-0.084283367	0.1847861400	0.1706285300	-0.132180330
## 105	0.663215600	0.010782856	0.4406822900	0.4735210900	-0.154281980
## 106	0.644840960	0.417746730	-0.3286508400	0.0480783450	-0.154156990
## 107	-0.601808030	-0.003779975	-0.1876454800	-0.2286138700	-0.048773463
## 108	0.168341230	-0.075184253	0.2401121600	-0.2585320000	-0.081203975
## 109	0.804548380	0.214735190	0.0021294310	-0.1875924800	-0.149044530
## 110	0.752382030	0.258650270	0.1510203900	0.1489838700	-0.134061310

## 111	0.641621310	-0.052428623	0.1236930500	0.4027455800	-0.132332080
## 112	0.712506880	0.118254500	-0.0594443710	-0.2554362700	-0.099484175
## 113	0.405014100	-0.016628142	0.5689210800	0.1096554600	-0.077463994
## 114	-0.142386980	0.548094300	-0.3875254600	-0.2793576300	-0.107695090
## 115	0.596167480	-0.219411530	0.0067696189	0.3014996000	-0.161299810
## 116	0.805479120	-0.137826910	0.4212174900	0.5068525800	-0.136236910
## 117	0.055347045	0.103059910	-0.0848261910	-0.1039181400	-0.050928555
## 118	0.310775340	-0.107255220	-0.1873341500	-0.1942098500	-0.075799301
## 119	0.092635442	0.214080770	0.3603799200	-0.0535014130	-0.279295880
## 120	0.226054650	0.217744060	0.2127059300	-0.0285857280	-0.206294530
## 121	0.453672010	0.209887130	-0.1347085800	-0.2499206800	-0.194930900
## 122	-0.201568730	0.286666310	-0.3148356000	-0.1748524100	-0.298516860
## 123	0.545848530	-0.122078530	-0.0434879800	0.1870542800	-0.165196810
## 124	0.596735810	-0.211966890	0.4013102700	0.3730073200	-0.175027750
## 125	-0.005902113	0.363110680	0.1096555800	0.2532334300	-0.224437300
## 126	0.547209130	0.235245310	-0.0872843120	-0.2325005900	-0.200001900
## 127	-0.044879171	0.064722433	0.0191436880	-0.0376538540	-0.102357440
## 128	-0.894905430	-0.050868561	0.1660133700	0.0862155460	-0.108034870
## 129	-0.176293750	0.050938870	-0.1113879200	-0.0045744093	-0.146832720
## 130	0.548787320	0.040674030	0.1021472600	-0.0359838610	-0.020238208
## 131	0.011255252	0.080449991	0.0184962280	-0.0373983150	0.076303518
## 132	0.363778400	0.061859802	-0.2050451900	0.0576146700	-0.018679711
## 133	0.077000456	0.095443820	0.1689441200	-0.0010016119	-0.158220380
## 134	0.433582350	0.151735920	0.1446437700	0.0303200370	-0.150928110
## 135	0.906917770	0.687953240	-0.4419585300	-0.5896136700	0.143107700
## 136	-0.423227280	-0.256898380	0.5372408400	-0.0714068540	0.099840220
## 137	0.545577710	-0.559407300	0.4256903500	0.5381009000	0.118392000
## 138	0.387152240	0.980744870	-0.2800604600	0.0131591090	0.028711668
## 139	0.527258700	-0.034196065	0.0597933390	-0.2308162200	0.006773371
## 140	0.052119243	-0.704677250	0.0864354670	0.1433560800	-0.032614521
## 141	0.780254940	0.428841110	-0.1376142400	0.1692343900	0.089649652
## 142	0.834842200	0.118043190	0.1139529100	-0.3050968000	0.067093081
## 143	0.659360170	0.089117723	-0.0845591730	-0.2150997600	-0.038407463
## 144	0.847371130	-0.362161060	0.3708422100	0.2295983000	-0.024438340
## 145	0.089188313	0.685996950	0.2129494100	0.4817403800	-0.020320637
## 146	-0.313314120	0.015294316	-0.0498282800	0.1198283400	0.034117539
## 147	0.407317270	-0.590869370	-0.3249653700	-0.1579199300	-0.066281915
## 148	0.136803510	-0.044109007	-0.0635900920	0.1629078500	-0.078617141
## 149	0.667920020	0.357621140	0.0197793620	-0.2232394100	-0.064489453
## 150	0.966676110	0.403938740	-0.1718263000	-0.3988958200	-0.117084990
## 151	-0.906091640	0.258792030	0.1193859600	-0.2051499200	-0.445288550
## 152	0.415180250	0.148659380	0.0586346650	-0.1544199200	-0.477078070
## 153	-0.710356770	0.089970801	-0.2916739600	-0.1479336700	-0.538209660
## 154	-0.048501791	0.176722150	-0.3540711200	-0.2084566700	-0.537405680
## 155	-0.278620680	0.044047372	0.0344983470	0.0775574880	-0.441187420
## 156	0.259165960	0.086751502	0.5604675500	0.0915130980	-0.464719770
## 157	0.506763160	0.194654920	0.2603176700	-0.0287421350	-0.441904390
## 158	0.906318440	0.070654620	0.0705395350	-0.0064084210	-0.409538290
## 159	-0.911449270	0.267437420	-0.0705667480	0.0759125570	-0.313530450
## 160	-0.057737008	0.086863388	-0.0267594190	0.0999811450	-0.434754270

## 161	-0.701384190	0.008066030	0.1379564000	-0.0633075700	-0.463561400	
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163 -0.69261621 -0.8816753 0.277694580 0.539804730 0.7853666 -0.5367174

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##	164	-0.69261621	-0.8561981	0.174209280	0.358645700	0.7853666	-0.5050872
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##	166	-0.80839658	-0.8440265	0.650818760	0.697300190	0.8212713	-0.5760933
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##	168	-0.76532503	-0.8123364	0.424923440	0.483723460	0.7112812	-0.5061696
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##	169	-0.50059527	-0.8594833	0.210963670	0.337388450	0.6629527	-0.4523107
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##	170	-0.50059527	-0.8355221	0.210963670	0.337388450	0.6629527	-0.4575735
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##	171	-0.59471059	-0.8254868	0.566829820	0.600969990	0.7303792	-0.4951652
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##	173	-0.60607052	-0.8529871	0.320812520	0.433374810	0.7079265	-0.5108397
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##	174	-0.60607052	-0.8552891	0.320812520	0.451937930	0.7079265	-0.4616075
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##	175	-0.65988337	-0.8557550	0.394231460	0.515291940	0.7269184	-0.4975396
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##	176	-0.40047736	-0.8553088	0.122538900	0.379889080	0.7749072	-0.4977766
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##	177	-0.98904775	-0.9893276	0.995562340	0.988395060	0.9792203	-0.9881647
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##		NA	NA	NA	NA	NA	NA
##	1	-0.9999349	-0.9998204	-0.9998785	-0.9943640400	-0.986024870	-0.9892336
##	2	-0.9999597	-0.9996396	-0.9998454	-0.9938627300	-0.979435110	-0.9933838
##	3	-0.9998942	-0.9996364	-0.9997950	-0.9878456800	-0.980144510	-0.9819108
##	4	-0.9999236	-0.9998029	-0.9998829	-0.9946779500	-0.987033010	-0.9888963
##	5	-0.9999692	-0.9998203	-0.9998599	-0.9958878300	-0.986524210	-0.9905717
##	6	-0.9999512	-0.9998278	-0.9998560	-0.9952809400	-0.987358980	-0.9895520
##	7	-0.9999557	-0.9997372	-0.9997625	-0.9959603300	-0.979707420	-0.9902130
##	8	-0.9999566	-0.9996461	-0.9998111	-0.9934888000	-0.976835830	-0.9952906
##	9	-0.9999698	-0.9996092	-0.9999450	-0.9942019800	-0.977064740	-0.9981546
##	10	-0.9999008	-0.9992329	-0.9997678	-0.9903384700	-0.964503480	-0.9949798
##	11	-0.9999019	-0.9993879	-0.9996679	-0.9878492400	-0.973440590	-0.9812038
##	12	-0.9999859	-0.9998493	-0.9997911	-0.9963219300	-0.986840920	-0.9856134
##	13	-0.9999942	-0.9998565	-0.9998685	-0.9979348500	-0.987164520	-0.9879483
##	14	-0.9999749	-0.9998973	-0.9998728	-0.9962868500	-0.991175250	-0.9892929
##	15	-0.9998863	-0.9997069	-0.9998267	-0.9930590300	-0.984644480	-0.9909446
##	16	-0.9999541	-0.9999429	-0.9999154	-0.9923619300	-0.991925590	-0.9888419
##	17	-0.9999512	-0.9998986	-0.9999338	-0.9907223100	-0.988750920	-0.9933563
##	18	-0.9999532	-0.9998813	-0.9999254	-0.9927337900	-0.989202620	-0.9966979
##	19	-0.9999622	-0.9998988	-0.9999164	-0.9932023400	-0.989906550	-0.9908350
##	20	-0.9999718	-0.9999040	-0.9999429	-0.9958594300	-0.989373880	-0.9897415

## 21	-0.9999660	-0.9999151	-0.9998929	-0.9943085300	-0.991920150	-0.9886658
## 22	-0.9999593	-0.9997863	-0.9998613	-0.9933498600	-0.987496150	-0.9909253
## 23	-0.9999613	-0.9996906	-0.9998657	-0.9941872700	-0.981441610	-0.9903909
## 24	-0.9999722	-0.9997658	-0.9998684	-0.9961840200	-0.981627100	-0.9888523
## 25	-0.9999734	-0.9997846	-0.9998641	-0.9969550400	-0.982403800	-0.9908891
## 26	-0.9999653	-0.9997843	-0.9998400	-0.9928139200	-0.983621720	-0.9881759
## 27	-0.9999706	-0.9998394	-0.9998291	-0.9932958000	-0.985360120	-0.9885966
## 28	-0.9996843	-0.9987119	-0.9994670	-0.9866816900	-0.968297490	-0.9717790
## 29	-0.9999193	-0.9998121	-0.9998901	-0.9902726400	-0.985136770	-0.9904396
## 30	-0.9999487	-0.9999035	-0.9998470	-0.9957934400	-0.991204410	-0.9890615
## 31	-0.9924909	-0.9880922	-0.9947449	-0.9873545300	-0.974964850	-0.9698971
## 32	-0.9890376	-0.9857638	-0.9931599	-0.8501731600	-0.889862960	-0.9139562
## 33	-0.9964529	-0.9973359	-0.9982559	-0.9603949300	-0.955896500	-0.9652282
## 34	-0.9998753	-0.9996200	-0.9999281	-0.9856946300	-0.979035640	-0.9981122
## 35	-0.9999351	-0.9998718	-0.9999816	-0.9921068000	-0.991208920	-0.9977376
## 36	-0.9999790	-0.9998931	-0.9999580	-0.9984294100	-0.988622420	-0.9973464
## 37	-0.9999697	-0.9998764	-0.9999465	-0.9971231200	-0.983763240	-0.9962947
## 38	-0.9999521	-0.9998637	-0.9999554	-0.9953069400	-0.984680280	-0.9949855
## 39	-0.9997715	-0.9993193	-0.9997015	-0.9879695200	-0.976902640	-0.9862095
## 40	-0.9998903	-0.9998659	-0.9998513	-0.9930383300	-0.986358690	-0.9896821
## 41	-0.9999470	-0.9998950	-0.9998333	-0.9930348700	-0.988040210	-0.9869139
## 42	-0.9999228	-0.9998661	-0.9998409	-0.9930955900	-0.987782530	-0.9890633
## 43	-0.9999396	-0.9998585	-0.9998577	-0.9949593500	-0.987893870	-0.9924132
## 44	-0.9999558	-0.9998647	-0.9998619	-0.9972143300	-0.986881990	-0.9916148
## 45	-0.9999357	-0.9998678	-0.9999250	-0.9935754500	-0.989096680	-0.9939463
## 46	-0.9999190	-0.9999126	-0.9999596	-0.9886669900	-0.993008100	-0.9959367
## 47	-0.9999247	-0.9998623	-0.9999408	-0.9890825700	-0.990467610	-0.9944921
## 48	-0.9999246	-0.9998425	-0.9999052	-0.9908887800	-0.990197480	-0.9921547
## 49	-0.9999230	-0.9999187	-0.9998824	-0.9922483000	-0.992541690	-0.9962549
## 50	-0.9999407	-0.9998904	-0.9999315	-0.9927488500	-0.987744470	-0.9964016
## 51	-0.9999290	-0.9998687	-0.9999016	-0.9920806400	-0.987822560	-0.9922347
## 52	-0.9982633	-0.9937773	-0.9994384	-0.9780988000	-0.972932240	-0.9801919
## 53	-0.9999260	-0.9998427	-0.9998418	-0.9887344500	-0.988276510	-0.9917732
## 54	-0.9999520	-0.9998804	-0.9998888	-0.9922520000	-0.988994790	-0.9931173
## 55	-0.9999461	-0.9999111	-0.9999363	-0.9928449200	-0.992911990	-0.9944774
## 56	-0.9999515	-0.9999167	-0.9999168	-0.9943485700	-0.993679060	-0.9923653
## 57	-0.9999189	-0.9999035	-0.9998418	-0.9950379600	-0.992838550	-0.9875071
## 58	-0.9999127	-0.9998648	-0.9998640	-0.9947393400	-0.988352000	-0.9905412
## 59	-0.9999498	-0.9998828	-0.9998815	-0.9972870900	-0.988286660	-0.9925122
## 60	-0.9999457	-0.9998089	-0.9998716	-0.9954296800	-0.983184390	-0.9915236
## 61	-0.9999166	-0.9997740	-0.9998658	-0.9925729600	-0.980032280	-0.9883479
## 62	-0.9999211	-0.9999010	-0.9998680	-0.9889072700	-0.988493860	-0.9897101
## 63	-0.9999322	-0.9999313	-0.9998676	-0.9882919000	-0.992941340	-0.9868493
## 64	-0.9999031	-0.9999231	-0.9998695	-0.9903489800	-0.990325510	-0.9906311
## 65	-0.9960550	-0.9899858	-0.9963899	-0.9292073900	-0.955559550	-0.9501303
## 66	-0.9997306	-0.9997329	-0.9995327	-0.9809745800	-0.982547960	-0.9810842
## 67	-0.9916948	-0.9361853	-0.9848683	-0.9566193300	-0.919442030	-0.9622691
## 68	-0.9910761	-0.9332772	-0.9835979	-0.9059791000	-0.848481110	-0.8927498
## 69	-0.9990618	-0.9955768	-0.9982666	-0.9569483600	-0.912656020	-0.9456895
## 70	-0.9859894	-0.9773284	-0.9913942	-0.9071561600	-0.849415280	-0.9120258

## 71	-0.9362585	-0.7142397	-0.9202614	-0.6996074700	-0.553859800	-0.6981088
## 72	-0.9449684	-0.7284963	-0.9233630	-0.8152614400	-0.752793570	-0.7933370
## 73	-0.9948834	-0.9922008	-0.9947617	-0.9612468200	-0.944791500	-0.9631345
## 74	-0.9995075	-0.9989307	-0.9997928	-0.9779508900	-0.957311620	-0.9789426
## 75	-0.9995402	-0.9996036	-0.9998638	-0.9821972200	-0.976272630	-0.9903151
## 76	-0.9999239	-0.9998525	-0.9999308	-0.9904596900	-0.986348650	-0.9962864
## 77	-0.9999067	-0.9998979	-0.9998598	-0.9901890500	-0.988818390	-0.9915344
## 78	-0.9998458	-0.9998407	-0.9998497	-0.9851124600	-0.988617290	-0.9891963
## 79	-0.6640259	-0.6511818	-0.9208134	-0.3122830800	-0.320830340	-0.6220923
## 80	-0.5995911	-0.5133363	-0.8921929	0.0524683560	-0.024443752	-0.4881153
## 81	-0.6591837	-0.5238466	-0.9066578	-0.0392742240	-0.120219730	-0.5325208
## 82	-0.6103688	-0.4654289	-0.8801226	-0.0282946110	-0.014748012	-0.4172572
## 83	-0.6709258	-0.4397159	-0.8533894	-0.2168830900	-0.081383682	-0.4429625
## 84	-0.7128942	-0.5153885	-0.8514190	-0.1688998700	-0.156374540	-0.5281909
## 85	-0.5937663	-0.5472105	-0.8685769	-0.1424716700	-0.147678240	-0.4513831
## 86	-0.5123116	-0.4899641	-0.8662773	-0.2233019100	-0.013872485	-0.4652255
## 87	-0.7567976	-0.5617780	-0.9175564	-0.1967048100	-0.330953670	-0.5089988
## 88	-0.6796998	-0.4213795	-0.8697099	0.0197156880	-0.077154229	-0.5178260
## 89	-0.6545133	-0.5611777	-0.8730582	-0.0775482680	-0.208945410	-0.4540741
## 90	-0.5923939	-0.5279788	-0.8908119	-0.0916345500	-0.208494400	-0.4036016
## 91	-0.6407827	-0.4348945	-0.8664655	-0.0162128910	-0.017397354	-0.3896883
## 92	-0.6499768	-0.3108488	-0.8370169	0.0722799670	0.029653189	-0.4541257
## 93	-0.6072810	-0.2464939	-0.8385123	0.1703051000	0.005671277	-0.4629586
## 94	-0.5399561	-0.3900517	-0.8601031	0.1692642400	0.105656260	-0.4072933
## 95	-0.4901602	-0.4920299	-0.8622736	0.0002663345	-0.004367996	-0.3569925
## 96	-0.5483782	-0.5063007	-0.8668144	-0.0336471450	-0.077313042	-0.4023619
## 97	-0.5740106	-0.4110640	-0.8775384	-0.0088470562	-0.082205803	-0.4508332
## 98	-0.6483927	-0.4204964	-0.8773987	-0.0918411550	-0.055785998	-0.4807557
## 99	-0.5624769	-0.4266451	-0.8739859	-0.0206773840	0.035557437	-0.4425090
## 100	-0.4812491	-0.4734926	-0.8839295	0.1533154900	-0.071740361	-0.5260149
## 101	-0.5255380	-0.5049358	-0.9002663	0.0421234680	-0.122708270	-0.6087183
## 102	-0.5261558	-0.2063765	-0.8602732	-0.0257164150	-0.071306372	-0.5319047
## 103	-0.6266182	-0.1713952	-0.8643584	-0.1262235700	-0.123797470	-0.4431641
## 104	-0.6207137	-0.1583936	-0.8649863	-0.0446351140	-0.058420561	-0.4226178
## 105	-0.6397055	-0.3184928	-0.8871436	-0.1209848800	-0.160396170	-0.5387630
## 106	-0.6392320	-0.5549909	-0.9100058	-0.1400622800	-0.205782610	-0.5895159
## 107	-0.5450080	-0.3939621	-0.8732712	0.0187394680	-0.184694580	-0.5671598
## 108	-0.5752342	-0.2228228	-0.8651902	-0.0008565236	-0.042996424	-0.4013749
## 109	-0.6352161	-0.2452679	-0.8786648	-0.0547163810	-0.052686408	-0.3580983
## 110	-0.6223175	-0.3356234	-0.8869036	0.0729893560	-0.190702900	-0.3886434
## 111	-0.6208753	-0.4241043	-0.9086439	0.0439757920	-0.151331390	-0.4607205
## 112	-0.5919114	-0.1855012	-0.7980257	0.0438466040	0.172181350	-0.3991189
## 113	-0.5718420	-0.4976818	-0.8979298	0.1140676200	0.014293502	-0.5140662
## 114	-0.5985414	-0.5528068	-0.8932581	-0.0886255930	-0.127363820	-0.5371728
## 115	-0.6453416	-0.5167987	-0.8860771	-0.0929876070	-0.191732600	-0.5020693
## 116	-0.6241576	-0.4510740	-0.8913930	-0.0895612970	-0.220784640	-0.4836714
## 117	-0.5470708	-0.4222040	-0.8923771	-0.0668733940	-0.227147700	-0.4976626
## 118	-0.5702253	-0.4682307	-0.9039398	-0.0246573170	-0.113859350	-0.5055295
## 119	-0.7375694	-0.5380007	-0.9103566	-0.1227824400	-0.187573110	-0.5333772
## 120	-0.6822724	-0.6217914	-0.9225757	-0.0945472600	-0.336531820	-0.6274123

## 121	-0.6731971	-0.6078088	-0.9179143	-0.0186124350	-0.366870560	-0.6416287
## 122	-0.7511668	-0.4715987	-0.9085114	-0.0787577880	-0.126090260	-0.5551234
## 123	-0.6487573	-0.4416140	-0.9034355	0.0578163260	0.038020501	-0.4868077
## 124	-0.6567693	-0.5177419	-0.8935107	-0.0268988860	-0.150862340	-0.4190914
## 125	-0.6963040	-0.5464857	-0.9076795	-0.1826793900	-0.306642550	-0.5003610
## 126	-0.6772416	-0.6894888	-0.9142967	-0.3642814100	-0.285428520	-0.6008290
## 127	-0.5944972	-0.6596325	-0.8608790	-0.0920467860	-0.077254159	-0.5905126
## 128	-0.5995199	-0.5756259	-0.8143935	-0.1928000600	-0.147726120	-0.4690620
## 129	-0.6333938	-0.4762186	-0.8057128	-0.1016847200	-0.122279450	-0.4094265
## 130	-0.5175194	-0.5152559	-0.7488684	0.1455141000	-0.307738010	-0.3152496
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## 132	-0.5159973	-0.5338081	-0.7011986	-0.4049878300	-0.302690690	-0.1489574
## 133	-0.6430390	-0.6466285	-0.7577836	-0.4703652900	-0.276595670	-0.3368729
## 134	-0.6368603	-0.6535148	-0.7625730	-0.3897745200	-0.263129920	-0.3705685
## 135	-0.3433153	-0.5068710	-0.5432430	0.1934304300	-0.331329040	-0.3032914
## 136	-0.3925728	-0.5240111	-0.6321686	0.3098687900	-0.340578510	-0.3361808
## 137	-0.3710934	-0.3305590	-0.7020764	0.1547760800	-0.132944580	-0.3556450
## 138	-0.4657870	-0.3833672	-0.7608540	0.0760015550	-0.306487420	-0.3475695
## 139	-0.4907036	-0.6773609	-0.7684731	0.1279943900	-0.427911220	-0.3220186
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## 142	-0.4283232	-0.7163046	-0.6889384	0.2852518100	-0.370257240	-0.1894109
## 143	-0.5351296	-0.6012164	-0.8638649	0.3291868500	-0.208212650	-0.3575760
## 144	-0.5209962	-0.6255418	-0.8645160	0.1377696600	-0.145107950	-0.4278202
## 145	-0.5163885	-0.4439392	-0.7929512	0.1923806800	-0.087139099	-0.4497149
## 146	-0.4628845	-0.3743581	-0.7880315	0.2398771200	0.043712284	-0.4140038
## 147	-0.5600544	-0.6545071	-0.8672019	-0.0017541881	-0.179111440	-0.4667454
## 148	-0.5728847	-0.7667534	-0.8479315	0.2375788400	-0.386766940	-0.5171033
## 149	-0.5595735	-0.7441305	-0.8035195	0.2263514500	-0.235500730	-0.4173987
## 150	-0.6072441	-0.6520079	-0.8129427	0.0077704512	-0.224423960	-0.3945074
## 151	-0.8435885	-0.8608988	-0.9352463	-0.2540570100	-0.483789280	-0.6448909
## 152	-0.8608771	-0.8740704	-0.9497907	-0.2395781500	-0.506050090	-0.6559480
## 153	-0.8911475	-0.8316041	-0.9665204	-0.4386672900	-0.499375470	-0.6645073
## 154	-0.8907411	-0.7604947	-0.9558212	-0.4563066800	-0.328525190	-0.6329542
## 155	-0.8414030	-0.7601795	-0.9370962	-0.3227081100	-0.360741620	-0.6110065
## 156	-0.8543278	-0.8241384	-0.9505701	-0.4727307200	-0.534904620	-0.6348508
## 157	-0.8417620	-0.8336961	-0.9415476	-0.3909154500	-0.495476970	-0.6136761
## 158	-0.8231618	-0.8145036	-0.9357353	-0.3629763400	-0.525076750	-0.5851409
## 159	-0.7616228	-0.8543817	-0.9478411	-0.1786224200	-0.327050870	-0.6174600
## 160	-0.8377779	-0.8681928	-0.9507278	-0.3527551100	-0.404466070	-0.6426826
## 161	-0.8536899	-0.7990126	-0.9461017	-0.4681397600	-0.381684920	-0.6929946
## 162	-0.8336963	-0.8205038	-0.9497561	-0.3008614200	-0.425901200	-0.6644474
## 163	-0.8694227	-0.8725272	-0.9702063	-0.3864003600	-0.539020640	-0.7250324
## 164	-0.8555084	-0.8105821	-0.9695834	-0.4430497600	-0.592305640	-0.7121474
## 165	-0.8592078	-0.8390319	-0.9682073	-0.4190036200	-0.596099060	-0.6885775
## 166	-0.9104871	-0.9044057	-0.9695374	-0.4534642500	-0.572945750	-0.6953860
## 167	-0.9250449	-0.8985265	-0.9646536	-0.4628706600	-0.488237540	-0.7153209
## 168	-0.8726978	-0.8373572	-0.9596562	-0.3896719600	-0.456798280	-0.6711167
## 169	-0.8453087	-0.7363377	-0.9590669	-0.3979309500	-0.354902910	-0.6898739
## 170	-0.8698217	-0.7116213	-0.9574257	-0.4578523200	-0.279508650	-0.6800016

## 171	-0.8946874	-0.7857348	-0.9553351	-0.4404772900	-0.465241550	-0.7118531
## 172	-0.8822429	-0.7700073	-0.9587938	-0.4108384000	-0.466000890	-0.6872936
## 173	-0.8920081	-0.7660214	-0.9635346	-0.5672108200	-0.421829200	-0.6651396
## 174	-0.8576769	-0.7652670	-0.9550630	-0.4865897500	-0.373253960	-0.6231283
## 175	-0.8599517	-0.8248775	-0.9631944	-0.3593693500	-0.445202240	-0.7041059
## 176	-0.8049416	-0.7858246	-0.9661240	-0.5011878100	-0.540495280	-0.7261402
## 177	-0.9999522	-0.9996713	-0.9996166	-0.9924215800	-0.976723900	-0.9879596
##	NA	NA	NA	NA	NA	NA
## 1	-0.81994925	-0.793046450	-8.888529e-01	1.000000000	-0.220747030	
## 2	-0.87509640	-0.655362100	-7.673809e-01	0.48966215	0.070997076	
## 3	-0.75362867	-0.673273630	-7.471068e-01	0.26522482	0.188394740	
## 4	-0.82080419	-0.754968190	-8.252786e-01	0.12289300	0.276418810	
## 5	-0.85074390	-0.746257780	-7.969596e-01	0.24090421	0.134911520	
## 6	-0.77871779	-0.754968190	-7.908859e-01	0.28068582	0.100449720	
## 7	-0.78792545	-0.726265920	-7.489310e-01	0.31820612	0.031070108	
## 8	-0.80735107	-0.671549710	-7.779456e-01	0.38761715	-0.017295796	
## 9	-0.87509640	-0.660921410	-8.680572e-01	0.37568929	0.077238687	
## 10	-0.75395906	-0.529134930	-7.672079e-01	0.13656340	0.121551860	
## 11	-0.75395906	-0.576344100	-6.614924e-01	0.25135646	-0.011399238	
## 12	-0.93067589	-0.806635980	-7.349045e-01	0.40660511	-0.105320690	
## 13	-0.93067589	-0.797235060	-7.837896e-01	0.18494272	0.250791390	
## 14	-0.87509640	-0.826455640	-7.901516e-01	0.28605309	0.192590410	
## 15	-0.73942203	-0.900225450	-8.042210e-01	0.32987626	0.141028980	
## 16	-0.85074390	-0.982791790	-7.983270e-01	0.27269113	0.125584620	
## 17	-0.83927424	-0.858955890	-8.247193e-01	0.20843697	0.185921950	
## 18	-0.80735107	-0.836902840	-8.581997e-01	0.32960071	0.142957870	
## 19	-0.82823515	-0.870601650	-8.178386e-01	0.22243176	0.146688950	
## 20	-0.86267325	-0.858955890	-8.202944e-01	0.11503435	0.128064650	
## 21	-0.83927424	-0.870601650	-7.603533e-01	0.29231577	0.033009318	
## 22	-0.85074390	-0.767836030	-7.939587e-01	0.47310922	0.117653650	
## 23	-0.86267325	-0.704918580	-8.138585e-01	0.29263203	0.201671120	
## 24	-0.86267325	-0.713080210	-7.489599e-01	0.22207718	0.250442850	
## 25	-0.83927424	-0.732818060	-7.305823e-01	0.16728476	0.256291640	
## 26	-0.82823515	-0.762750800	-7.608953e-01	0.28151143	0.134461740	
## 27	-0.87509640	-0.762750800	-8.030115e-01	0.47546995	0.246442050	
## 28	-0.50173008	-0.872837650	-9.531813e-01	0.13984431	0.220942860	
## 29	-0.70518010	-0.895252580	-8.330005e-01	0.20832809	0.125500770	
## 30	-0.83183196	-0.847730010	-7.704034e-01	0.45378160	0.086481100	
## 31	-0.40869810	-0.279221960	-1.911947e-01	-0.22693323	0.270137750	
## 32	0.05852908	-0.043095302	-9.454345e-02	-0.24475288	0.301776750	
## 33	-0.12590409	-0.460453240	-5.978266e-01	-0.01166749	0.168512780	
## 34	-0.66445600	-0.803439760	-8.856721e-01	0.04783362	0.033933030	
## 35	-0.87509640	-0.847730010	-8.855542e-01	0.32676143	0.370193020	
## 36	-0.91577638	-0.836902840	-8.486859e-01	0.23080426	0.271096250	
## 37	-0.87509640	-0.816371680	-8.322179e-01	0.42181304	0.047356788	
## 38	-0.81760141	-0.847730010	-8.486859e-01	0.24027601	0.067697725	
## 39	-0.64881272	-0.522597540	-7.049338e-01	0.16409700	0.369907980	
## 40	-0.73336629	-0.849017480	-7.461393e-01	0.14291566	0.261702970	
## 41	-0.76982813	-0.882691350	-7.412171e-01	-0.03942129	0.241313470	
## 42	-0.78792545	-0.816371680	-7.570015e-01	-0.01555493	0.348859090	

## 43	-0.81760141	-0.797235060	-7.653496e-01	0.09166863	0.209577120
## 44	-0.83927424	-0.826455640	-7.687061e-01	0.18900936	0.198603560
## 45	-0.80735107	-0.849017480	-8.138585e-01	0.23274162	0.228807720
## 46	-0.75741954	-0.849017480	-8.581997e-01	0.20247320	0.243115530
## 47	-0.74826155	-0.788156700	-8.306457e-01	0.18416223	0.318656600
## 48	-0.75741954	-0.770924250	-8.068076e-01	0.20606245	0.363009360
## 49	-0.74826155	-0.836902840	-8.541157e-01	0.35371245	0.202914090
## 50	-0.79746479	-0.836902840	-8.760955e-01	0.34234855	0.129256410
## 51	-0.82823515	-0.806635980	-8.138585e-01	0.36005328	0.083654036
## 52	-0.50158699	-0.433233580	-5.431313e-01	-0.25032767	0.370212550
## 53	-0.72975660	-0.811554720	-7.859931e-01	0.09843280	0.117311280
## 54	-0.78792545	-0.836979770	-7.978693e-01	0.02706632	0.247886520
## 55	-0.81760141	-0.858955890	-8.856721e-01	0.07322028	0.124921470
## 56	-0.81760141	-0.836902840	-8.306457e-01	0.11374099	0.078508991
## 57	-0.79746479	-0.825386470	-7.507977e-01	0.05782089	0.090396116
## 58	-0.76982813	-0.849017480	-8.220998e-01	-0.02657310	0.154298710
## 59	-0.80735107	-0.847730010	-8.220998e-01	0.07919528	0.156917990
## 60	-0.81760141	-0.748236010	-8.059139e-01	0.06411437	0.210498400
## 61	-0.75362867	-0.721327180	-7.901516e-01	-0.03226922	0.326172230
## 62	-0.70802088	-0.858955890	-7.939587e-01	0.04505224	0.185197190
## 63	-0.75295471	-0.858955890	-7.746855e-01	0.18853161	0.043464264
## 64	-0.71423735	-0.806635980	-7.852296e-01	0.23004034	0.119058930
## 65	-0.04873947	-0.263092220	-3.700052e-01	0.13561675	-0.155729830
## 66	-0.57438326	-0.691235470	-5.982315e-01	-0.11409845	0.380900770
## 67	-0.23270115	0.040662221	-1.427880e-01	-0.36947082	0.240297740
## 68	0.03754299	0.288804040	-9.706434e-02	-0.35889114	0.218148480
## 69	-0.22885871	-0.104688830	-4.640838e-01	-0.25310342	0.154686070
## 70	-0.03037977	0.170213400	1.045365e-05	-0.12830808	0.437278580
## 71	0.37065781	0.450001590	3.356324e-01	-0.12336882	0.302167400
## 72	0.35508381	0.336770660	5.635064e-02	-0.12517206	0.246153600
## 73	-0.17393158	0.007538485	-4.542578e-01	-0.33327761	0.278939490
## 74	-0.52742279	-0.302419140	-6.428556e-01	0.23009544	0.237816350
## 75	-0.55021616	-0.704918580	-7.054469e-01	0.20967179	0.331003090
## 76	-0.74826155	-0.806635980	-8.613194e-01	0.17574389	0.227232540
## 77	-0.73721977	-0.847730010	-7.491888e-01	0.13417627	0.137973240
## 78	-0.65005204	-0.793046450	-7.408407e-01	0.12382956	0.235455450
## 79	0.59459227	0.649670630	5.906189e-01	-0.62136295	0.649783760
## 80	0.71457854	0.674097860	5.153513e-01	-0.50795355	0.456202560
## 81	0.71300832	0.695782110	5.624351e-01	-0.34473334	0.304562510
## 82	0.63148382	0.682742910	6.532389e-01	-0.51251799	0.526725070
## 83	0.50554816	0.807173390	5.787783e-01	-0.62054184	0.624369110
## 84	0.68266575	0.756441700	6.037296e-01	-0.48902245	0.353173610
## 85	0.75325446	0.681835550	5.393220e-01	-0.54821462	0.485626530
## 86	0.66779251	0.751961540	5.571775e-01	-0.58769764	0.631509410
## 87	0.72431662	0.650908470	4.161386e-01	-0.32362457	0.071082293
## 88	0.69615574	0.692546650	4.763583e-01	-0.28509558	0.141596670
## 89	0.61015806	0.622570150	4.991540e-01	-0.37880684	0.363031890
## 90	0.62471008	0.608536230	6.151628e-01	-0.54778622	0.638663520
## 91	0.61362785	0.743371410	6.635034e-01	-0.60420969	0.651602420
## 92	0.61333629	0.681577030	6.273094e-01	-0.47074031	0.299070750

## 93	0.67297340	0.724454390	6.250113e-01	-0.22833927	0.043950072
## 94	0.67942592	0.743568370	5.423647e-01	-0.21098856	0.075372491
## 95	0.72371922	0.689985810	4.616875e-01	-0.39605372	0.338151110
## 96	0.72861307	0.628630870	5.148171e-01	-0.49409218	0.431677750
## 97	0.64415754	0.601863080	5.275982e-01	-0.29870833	0.165743230
## 98	0.56484580	0.563322730	5.679797e-01	-0.24919919	0.152509370
## 99	0.57298668	0.616076330	5.815472e-01	-0.20375479	0.024970876
## 100	0.64088325	0.668502460	6.342197e-01	-0.08915598	-0.091949777
## 101	0.67129156	0.526427870	5.242484e-01	-0.18713538	0.015597376
## 102	0.69013268	0.565686100	4.835649e-01	-0.09728192	0.031054843
## 103	0.71082888	0.632365070	5.242185e-01	-0.20637510	0.127467400
## 104	0.69652707	0.705091600	6.274968e-01	-0.47215709	0.466600540
## 105	0.65066355	0.784981320	5.894134e-01	-0.44087889	0.389450820
## 106	0.67884693	0.617093160	5.221107e-01	-0.44283780	0.397090920
## 107	0.57249015	0.631385610	4.644280e-01	-0.32394049	0.251961560
## 108	0.68790823	0.722563290	5.899528e-01	-0.11975438	0.039015076
## 109	0.77819576	0.660901880	5.461915e-01	-0.07640778	-0.009333354
## 110	0.59711934	0.631503630	4.880578e-01	-0.07532157	0.061817361
## 111	0.52348459	0.570630430	5.071446e-01	-0.14477973	0.097104805
## 112	0.59980105	0.722557400	5.814457e-01	-0.32608125	0.249148650
## 113	0.69716766	0.726608550	5.092426e-01	-0.21029984	0.198444900
## 114	0.78936224	0.523760500	4.456432e-01	-0.34218042	0.359143800
## 115	0.66918240	0.601757890	6.016505e-01	-0.55118787	0.560942910
## 116	0.65477239	0.595596200	6.475300e-01	-0.43133747	0.376344240
## 117	0.68041002	0.489221250	5.213729e-01	-0.46164112	0.407457240
## 118	0.62320311	0.534978910	5.821679e-01	-0.51132504	0.570582720
## 119	0.65154717	0.629776900	5.564185e-01	-0.27183881	0.300297140
## 120	0.77850595	0.690257720	4.025710e-01	-0.41966327	0.414501140
## 121	0.77556431	0.522706070	4.101839e-01	-0.29594115	0.280937290
## 122	0.65970928	0.514061030	4.491521e-01	-0.14566771	0.069032621
## 123	0.54601796	0.534096690	5.370359e-01	-0.32415563	0.278855050
## 124	0.49191531	0.613002290	6.032760e-01	-0.40297926	0.332508640
## 125	0.61441106	0.660889040	5.516153e-01	-0.40271571	0.385802520
## 126	0.73465619	0.671800090	3.550257e-01	-0.23863861	0.140648540
## 127	0.73418881	0.736304800	4.622767e-01	-0.35851586	0.242696980
## 128	0.61221692	0.713973170	5.547449e-01	-0.40169522	0.362721250
## 129	0.52640654	0.666729760	5.797943e-01	-0.54821488	0.460447030
## 130	0.61930400	0.651755050	5.772930e-01	-0.38340509	0.220993120
## 131	0.56176682	0.565279430	6.093182e-01	-0.40057327	0.324345360
## 132	0.63330662	0.538178950	6.284645e-01	-0.53389214	0.629911130
## 133	0.67178164	0.643103360	5.428212e-01	-0.45247932	0.435049760
## 134	0.59990916	0.678518610	5.508718e-01	-0.56719725	0.493128490
## 135	0.65747119	0.404650770	6.301387e-01	-0.06889370	0.061288855
## 136	0.57834783	0.502190300	6.267654e-01	-0.40302138	0.275888350
## 137	0.54116473	0.641539100	6.692261e-01	-0.30298379	0.176200990
## 138	0.76579616	0.600273460	5.781816e-01	-0.13144956	0.003908885
## 139	0.61467429	0.558033910	5.128936e-01	-0.37434482	0.167947730
## 140	0.42866287	0.624035490	4.932375e-01	-0.79616432	0.696934260
## 141	0.48957578	0.620679060	6.799215e-01	-0.38132035	0.241065240
## 142	0.44353611	0.597153310	6.612818e-01	-0.32253406	0.082809180

## 143	0.49738373	0.588529590	4.860247e-01	-0.42135381	0.105236730
## 144	0.52993711	0.658873670	5.769638e-01	-0.47760026	0.339036780
## 145	0.69195549	0.624220700	7.036563e-01	-0.44864539	0.414509140
## 146	0.70271988	0.616076330	5.820084e-01	-0.36824573	0.307254180
## 147	0.53847287	0.586160180	5.198917e-01	-0.26649480	0.032093250
## 148	0.59614301	0.588014210	6.168740e-01	-0.14785331	-0.011490829
## 149	0.70599001	0.437758340	5.668453e-01	-0.16229753	0.100444900
## 150	0.59033389	0.562244980	4.556012e-01	-0.40413522	0.299139210
## 151	0.62996883	0.487276010	3.398308e-01	-0.15380550	-0.117654600
## 152	0.62903251	0.564110780	3.804603e-01	-0.34559168	0.005666779
## 153	0.52879658	0.550712300	3.406199e-01	-0.47020895	0.049068803
## 154	0.60200709	0.526834540	3.697083e-01	-0.51954915	0.202578150
## 155	0.74308448	0.530526760	4.243278e-01	-0.59394920	0.347862830
## 156	0.65285338	0.566666360	4.393421e-01	-0.61718983	0.453379540
## 157	0.59527944	0.560017360	5.641219e-01	-0.35036635	0.142937640
## 158	0.69905145	0.644340430	5.631876e-01	-0.17124085	-0.040781127
## 159	0.73070800	0.518295800	4.324225e-01	-0.39656574	0.105040670
## 160	0.60749531	0.507716550	4.733523e-01	-0.61710694	0.387968050
## 161	0.40073920	0.557157430	2.654301e-01	-0.49064545	0.212389380
## 162	0.47336611	0.516234310	2.569230e-01	-0.48147272	0.258104100
## 163	0.53663058	0.475818930	2.750294e-01	-0.43615920	0.236371810
## 164	0.56324693	0.562645650	2.720873e-01	-0.32099066	0.194309940
## 165	0.50701206	0.520620720	3.081204e-01	-0.38289081	0.185543300
## 166	0.42757251	0.495638680	3.004786e-01	-0.54318830	0.170086240
## 167	0.38847335	0.463920660	3.124378e-01	-0.80853637	0.465843570
## 168	0.53462552	0.676882380	2.813342e-01	-0.52445816	0.219970170
## 169	0.54042158	0.627835340	3.794873e-01	-0.58901508	0.509112120
## 170	0.56912045	0.545851050	3.064594e-01	-0.61804119	0.568376030
## 171	0.55461252	0.512923990	2.756287e-01	-0.50142896	0.225314200
## 172	0.50717566	0.549288650	3.077885e-01	-0.45805393	0.252647400
## 173	0.60961917	0.557896790	2.855223e-01	-0.56425979	0.462984640
## 174	0.66157946	0.480090600	3.721435e-01	-0.71816450	0.640154320
## 175	0.56803428	0.643498280	4.001509e-01	-0.41143533	0.191291180
## 176	0.50027599	0.684366120	4.417321e-01	-0.01552825	-0.211962680
## 177	-0.76124416	-0.640983670	-7.314433e-01	0.53667609	-0.213353530
##	NA	NA	NA	NA	NA
## 1	0.6368307500	0.3876435600	0.241401460	-0.052252848	0.264177200
## 2	0.3627145000	0.5273034200	0.149395650	0.062925097	0.370493430
## 3	0.4645834600	0.3717178800	0.082664878	-0.004621675	0.327470230
## 4	0.4574450400	0.1934143400	0.102404660	-0.099103220	0.194678850
## 5	0.2969029200	0.2871847000	0.318970470	-0.143364120	0.477454490
## 6	0.2597405100	0.2019467600	0.350577430	-0.077269461	0.562664630
## 7	0.3075537500	0.2398078600	0.078529161	-0.003967417	0.170514180
## 8	0.3868415700	0.3938711700	0.163174080	0.025849130	0.122561430
## 9	0.3778990000	0.3264202600	0.221569260	0.059024589	0.177102180
## 10	0.2874711200	-0.0410566920	-0.029588552	0.225281100	0.063532105
## 11	0.3553933000	-0.0263765460	-0.118344030	0.324212490	-0.078466281
## 12	0.4536623700	0.3021264000	0.206131030	0.138315030	0.094012813
## 13	0.1925204700	0.3030984300	0.345095610	0.084757574	0.365988540
## 14	0.4131011900	0.2663655900	0.312518210	-0.084436666	0.401130710

## 15	0.4191842700	0.2137465400	-0.328382950	0.307775510	-0.306064130
## 16	0.2624911400	0.2556551500	0.161936910	-0.153452580	0.025143376
## 17	0.3709259400	0.0925224680	0.358362260	-0.321456560	0.321205190
## 18	0.4489232600	0.1368102500	0.231516970	-0.133470190	0.348308620
## 19	0.0760574450	0.1800706100	0.165810790	-0.016961690	0.380940510
## 20	-0.0851846990	0.3094016800	0.226249940	-0.089899440	0.390967250
## 21	0.2524917800	0.2138521300	0.257431750	-0.064085740	0.235572140
## 22	0.5068819500	0.2716051700	0.286837420	0.186661860	0.128128150
## 23	0.2883479700	0.2753508100	0.245150000	0.285326160	0.127656490
## 24	0.1318131400	0.2365885900	0.220965570	0.168206030	0.253968820
## 25	0.1226478700	0.3477145800	0.161469250	0.248112730	0.109234160
## 26	0.4267007900	0.2465956900	0.337995330	0.150662810	0.336286560
## 27	0.5154723000	0.3388826300	0.440567070	-0.003316526	0.523132290
## 28	0.3388770500	0.0897615260	-0.198949600	-0.507492740	0.255790880
## 29	0.3086440400	-0.0288059010	0.085944987	-0.362223200	0.073697878
## 30	0.3734040300	0.1166641500	0.117375350	0.050277191	0.119841670
## 31	-0.1742742600	0.4425313500	-0.309518240	0.186053310	0.002515317
## 32	-0.0118170700	0.2210037100	-0.329126790	0.220969840	-0.018027448
## 33	0.5320310500	-0.2944957900	-0.325674350	0.208573460	0.039548081
## 34	0.0436900510	-0.0550871240	-0.019749876	-0.164158680	0.161349530
## 35	0.2534965700	0.2287725600	0.243782040	0.242229580	0.208305390
## 36	0.0454901990	0.3360114400	0.429364440	0.055447773	0.434531500
## 37	0.5911247800	0.0112112360	0.446524200	0.006127840	0.517677820
## 38	0.4814131400	0.0427159390	0.206383930	0.077654537	0.249185150
## 39	0.2752184200	0.2226867200	0.038968665	-0.225066250	0.142134140
## 40	0.4178460700	0.0332446000	0.237350430	0.042105723	0.103389480
## 41	-0.0490547650	0.3159595200	0.084875061	0.332940100	-0.013547524
## 42	-0.1570708300	0.3160765500	0.258944220	0.290219070	0.349213680
## 43	-0.0540793650	0.1657360300	0.207382150	0.305820820	0.295967890
## 44	-0.0324816330	0.1363163700	0.196834170	0.185070560	0.241547880
## 45	0.1100551500	0.1134100300	0.202601610	0.109460490	0.220016260
## 46	0.2834623800	-0.0493282160	0.072676512	0.248209360	0.011517831
## 47	0.2042978400	-0.0038976727	0.205066350	0.146681380	0.404491230
## 48	0.2488027900	0.0796377670	0.184327590	0.153712250	0.406200010
## 49	0.5159953400	0.2127099900	0.053420561	0.300586450	0.110128690
## 50	0.3832411100	0.2477260700	0.170068880	0.234325200	0.307594670
## 51	0.3876845200	0.0432060230	0.399597580	0.120196790	0.558709190
## 52	-0.0837859120	0.0907945170	-0.184274330	0.358529580	0.013519784
## 53	0.1773690200	0.0382331470	0.236109730	0.019613715	0.261846490
## 54	-0.2228036800	0.3686109500	0.197024050	0.167965390	0.186458020
## 55	0.0399028610	0.1946455700	0.374830000	0.062844185	0.316140290
## 56	0.1139044900	0.1916982400	0.459198930	0.124804250	0.356784250
## 57	0.0748770480	0.0070728761	0.354059960	0.202442680	0.353180710
## 58	0.0103701970	0.0568996080	0.281516420	0.010214388	0.450614160
## 59	0.0589082280	0.2618039500	0.287044080	-0.005824570	0.429230020
## 60	0.0006850445	0.2821787100	0.316827260	0.168817100	0.229579280
## 61	-0.2319261600	0.4838833900	0.255960830	0.253903900	0.171952370
## 62	-0.1385761000	0.4770801500	0.223182400	0.206454500	0.248748280
## 63	0.1770801900	0.4380306600	0.116758620	0.179467980	0.049019432
## 64	0.1947616600	0.3683922700	0.234184340	-0.021003262	0.320540610

## 65	0.2898407400	-0.4186177700	0.403206880	-0.013086799	0.714477700
## 66	-0.1393791400	0.1918205800	0.102569100	-0.054936179	0.307972530
## 67	-0.2066142100	0.0897760370	-0.470674970	0.022751067	-0.244171430
## 68	-0.1675541400	0.0363189470	-0.486786980	0.056245454	-0.248508510
## 69	0.1068004500	-0.3558524000	-0.511887320	0.279168880	0.118277190
## 70	-0.0003802128	-0.1995181900	-0.107877520	0.044223966	0.323140800
## 71	0.1072777100	-0.0295758590	0.117324140	-0.351300410	0.050962263
## 72	0.1535966800	0.0164979800	0.132622780	-0.379256850	0.008112599
## 73	0.2169462700	-0.0947344900	-0.336288040	-0.139099170	-0.533991210
## 74	0.4498609700	0.1345516300	-0.267423520	-0.088636745	-0.069830164
## 75	0.3741423100	0.2693922600	0.089581547	-0.005826052	0.182164350
## 76	0.0945136680	0.3180784200	0.375877020	-0.084441899	0.522096530
## 77	0.2259050000	0.1830539800	0.270941280	-0.077471070	0.382114330
## 78	0.1449930700	0.1337493900	0.194804450	0.076653390	0.215983270
## 79	-0.2701345200	0.0693237610	-0.440670140	0.347768660	0.052838987
## 80	-0.0134092710	-0.0541877160	-0.391608190	0.353942160	0.010456336
## 81	0.0092629302	-0.0871090320	-0.386635090	0.381152160	-0.107648180
## 82	-0.1729227900	-0.0854016280	-0.352896560	0.205226520	0.053152622
## 83	-0.3175713600	-0.0953275810	-0.256008390	0.087072352	0.079688871
## 84	-0.1399797000	-0.2560091300	-0.155056240	-0.007437817	0.253048210
## 85	-0.0267525900	-0.2939990900	-0.432218920	0.226976750	0.172951690
## 86	-0.1256046500	-0.0752099330	-0.458840930	0.448830930	-0.284087910
## 87	0.3070157900	-0.0792269970	-0.412718680	0.377455590	-0.075324418
## 88	0.1577205100	-0.0282269920	-0.346841520	0.286512400	0.068581978
## 89	-0.1151895500	0.0636361680	-0.427591410	0.336143120	-0.074949745
## 90	-0.4004866400	0.1916363500	-0.325069240	0.231015350	-0.016453487
## 91	-0.4953709100	0.2194376400	-0.323562930	0.215601350	-0.153233880
## 92	-0.0343058900	-0.1422962400	-0.327395270	0.224020430	0.022084421
## 93	0.3097484900	-0.2016398900	-0.273797180	0.168899240	0.247510980
## 94	0.4583068400	-0.1635309100	-0.266375400	0.161391530	0.178210430
## 95	0.2064957100	-0.0993482010	-0.269441810	0.024480417	0.190756160
## 96	0.0939890800	-0.0875575870	-0.249549050	0.037436611	0.074680105
## 97	0.4353635000	-0.1502634200	-0.411429830	0.322652720	-0.024621510
## 98	0.3433742800	-0.0814428170	-0.093902565	-0.033498865	0.511400200
## 99	0.3313707400	-0.1464630000	-0.233861550	0.057988709	0.206040390
## 100	0.3835098400	-0.1464024000	-0.305144690	0.194583360	0.057467365
## 101	0.2606511200	-0.0971497480	-0.222079730	0.193832110	0.009361732
## 102	0.2984216900	-0.0530336390	-0.104497520	0.133708550	0.190367320
## 103	0.3409066300	-0.4098060800	-0.307827790	0.312086010	0.024310556
## 104	-0.0763713160	-0.1454724600	-0.427978090	0.440865170	-0.085333025
## 105	-0.0547638450	-0.0672833120	-0.276696100	0.198616970	0.204210530
## 106	-0.1574575100	0.0653275690	-0.456864090	0.447657300	-0.204492190
## 107	0.0529141990	-0.0780719490	-0.663381120	0.804934880	-0.610244720
## 108	0.3157471200	-0.0989606470	-0.240256550	0.088162965	0.309449590
## 109	0.3127901800	0.0139026880	-0.186850590	0.075246625	0.303870840
## 110	0.2516966500	0.0937764860	-0.385243840	0.369809750	-0.122567360
## 111	0.2612250700	-0.0293549420	-0.343594000	0.354985920	-0.103543640
## 112	-0.1211593500	-0.0183671540	-0.071088994	-0.023550783	0.390569490
## 113	0.0336517270	0.0094750445	-0.232815530	0.025872634	0.229161460
## 114	-0.0686247930	-0.0009385069	-0.424012210	0.445010500	-0.341929890

## 115	-0.2892424900	0.0653438980	-0.494297950	0.422927390	-0.238989650
## 116	-0.0227406480	-0.0970976410	-0.541181700	0.399999210	0.042951985
## 117	-0.0152414860	-0.1056108700	-0.645448950	0.686082730	-0.303309150
## 118	-0.1926928100	0.0540440220	-0.232738720	0.204201300	0.048324847
## 119	0.0467710710	0.0354932700	0.020360455	-0.161137980	0.332077320
## 120	0.0019213023	0.1210659300	-0.065707342	-0.111250000	0.269952590
## 121	0.0686445470	0.1529265200	-0.290252860	0.189820130	0.102122360
## 122	0.2579489500	-0.0431174380	0.170780200	-0.298162690	0.481847400
## 123	0.1204215600	0.0330179540	0.160903520	-0.346278130	0.483142110
## 124	0.0717568370	0.0145404430	-0.364960960	0.183631670	0.134124750
## 125	0.0673753550	-0.1079256600	-0.486090370	0.387964580	0.016420750
## 126	0.1376407000	-0.1511527700	-0.333942150	0.474071240	-0.256295120
## 127	0.0450785440	-0.2233714000	-0.227050380	0.317501420	-0.029859174
## 128	-0.0617892450	-0.2352374900	-0.304825560	0.206273300	0.115866060
## 129	-0.0688536760	-0.2601838500	-0.495415960	0.483169310	-0.357054810
## 130	-0.0209925240	-0.2252382200	-0.423039700	0.490535800	-0.427950220
## 131	-0.1339152900	-0.1991325600	-0.344908720	0.409752080	-0.160718630
## 132	-0.5626332700	0.1004198400	-0.177035930	0.175942560	0.215039130
## 133	-0.4983785400	0.1335157300	-0.005740916	-0.040956806	0.636810860
## 134	-0.2796343900	-0.1237498600	-0.112464670	-0.012372456	0.554886180
## 135	0.0546959830	-0.0916886980	-0.224345310	0.297322750	-0.271311360
## 136	-0.0328080960	-0.0993660010	-0.186774680	0.242329030	0.033831559
## 137	0.1771691500	-0.1479953000	-0.290179150	0.051275070	0.373043080
## 138	0.0505906680	-0.0642061320	-0.380308500	0.119962450	0.349247810
## 139	-0.1609001300	-0.0972469610	-0.592211990	0.601587800	-0.386194400
## 140	-0.3133016900	-0.2078303200	-0.548637380	0.539615300	-0.263505600
## 141	0.0006119561	-0.1137971400	-0.158799430	0.213735220	0.105656800
## 142	0.0059548178	-0.1593316900	-0.020262547	0.144141230	0.130638590
## 143	0.3013196700	-0.3793565200	-0.235715170	0.238798270	0.128257160
## 144	0.0031007289	-0.2582981400	-0.070675325	0.079097642	0.277243470
## 145	0.0424009870	-0.2458876600	-0.180080470	0.044885075	0.232367330
## 146	-0.1255758500	0.0100051480	-0.240876010	0.197353850	0.175982320
## 147	-0.1580625900	0.1404411700	-0.110459570	-0.075870562	0.251911340
## 148	0.3281983300	-0.1150013800	-0.362169040	0.183177610	0.028288065
## 149	0.1598383700	-0.0950691810	-0.092953961	0.017603879	0.314187480
## 150	-0.1326198400	-0.1259669200	-0.042388252	0.141170030	0.374506640
## 151	0.2668999500	0.0678286520	-0.193595500	-0.163371590	-0.002442738
## 152	0.1801007700	-0.0448739700	-0.081602462	-0.348138020	-0.054573395
## 153	0.0967238480	-0.0624486680	-0.375867320	0.092753004	-0.112035170
## 154	0.0640996210	-0.1778441800	-0.307966160	0.088210120	-0.067520101
## 155	0.1085483200	-0.2967958600	-0.380809210	0.098897016	0.185756910
## 156	-0.1278178700	-0.0930582920	-0.602377150	0.301592620	0.039912308
## 157	0.2025849700	-0.1758092600	-0.566390030	0.350292740	-0.161370260
## 158	0.3753878500	-0.1548287500	-0.376075790	0.183028520	-0.020979194
## 159	0.3588287300	-0.3817174600	-0.413559210	0.106498720	0.039436209
## 160	-0.0255171540	-0.2196429300	-0.405041190	0.135252580	-0.027884770
## 161	-0.0456794520	0.0261950350	-0.251888380	-0.142254600	0.396355980
## 162	-0.0952232130	0.0437843320	-0.208529730	-0.212856290	0.414487050
## 163	0.0727073940	-0.1514687100	-0.482965480	0.285580020	-0.066880698
## 164	0.0927574720	-0.0527575840	-0.223157960	-0.036827961	0.268496790

## 165	0.0569734000	-0.1143251900	-0.184504800	-0.120284840	0.410844150
## 166	0.1300933000	-0.2787317400	-0.422591400	0.034581290	0.379935320
## 167	-0.0257770880	-0.2852343800	-0.290051500	-0.098533294	0.238781800
## 168	0.1552234700	-0.3029350900	-0.501261350	0.361067750	-0.308771900
## 169	-0.2399116900	-0.1367516400	-0.499464940	0.385580770	-0.204746240
## 170	-0.4742873800	-0.0202033970	-0.513063920	0.348333440	-0.192948280
## 171	0.0589593940	-0.1685111800	-0.491598570	0.128378750	0.035091153
## 172	0.2420350300	-0.3585305400	-0.498077110	0.285477090	0.074810302
## 173	-0.0804182170	-0.2108796100	-0.518326380	0.256883760	0.279344010
## 174	-0.3910388700	-0.0310670780	-0.508794480	0.152916050	0.305879840
## 175	0.0553585130	-0.2210542100	-0.448287120	0.179942980	0.124288990
## 176	0.4188277800	0.1454781200	-0.198783740	0.022195846	0.432502790
## 177	0.5126463800	-0.0690345540	0.392786620	-0.431960510	0.626171320
##	NA	NA	NA	NA	NA
## 1	0.37343945	0.341777520	-0.569791190	0.265398820	-0.477874890
## 2	0.41354814	0.122215680	0.180613040	0.047423999	0.166572680
## 3	0.43762317	0.257890870	0.070029640	0.186972990	0.246799660
## 4	0.48424363	0.357657140	-0.187032480	0.298068720	0.451869550
## 5	0.41796623	0.389537120	-0.030309087	0.163261250	0.180188860
## 6	0.35197600	0.368688950	0.043385337	0.147311490	0.299171950
## 7	0.17978786	0.292929790	0.155419740	0.243546920	0.611886550
## 8	0.27401695	0.290997430	0.169373530	0.331684350	0.530159430
## 9	0.48265016	0.279285520	-0.018772526	0.200535100	0.171020520
## 10	0.38970210	-0.027805781	0.184722390	-0.224846040	0.213398800
## 11	0.32016688	0.108127000	0.053048033	0.019117653	0.222991870
## 12	0.35596286	0.379700910	0.011049791	0.342493500	0.324147080
## 13	0.22053782	0.120245250	0.251561920	0.019340305	0.188900140
## 14	0.35107044	0.053632484	0.276308850	-0.034907489	0.315414730
## 15	0.15318688	-0.063728765	0.123007330	-0.202965690	0.300392270
## 16	0.07363486	0.358838870	-0.058505796	0.172559460	0.167273770
## 17	0.44336005	0.221146300	-0.043595976	-0.075016918	0.362965970
## 18	0.45729766	0.071740053	0.194483230	0.001854289	0.378439300
## 19	0.34605810	0.316234350	-0.056543124	0.226576370	0.608030450
## 20	0.50693909	0.345484110	-0.148923330	0.164761800	0.564865090
## 21	0.73832650	0.223935870	0.132405630	0.057648496	0.236142420
## 22	0.59065141	0.337353970	0.183389420	0.193148100	0.166368680
## 23	0.84921665	0.438246470	0.074144120	0.340347630	0.287029100
## 24	0.63930153	0.258648430	0.015136761	0.119021970	0.172278280
## 25	0.55601852	0.382405140	0.121737560	0.149600960	-0.119699130
## 26	0.62326976	0.315168050	0.256598910	0.057758330	0.144313370
## 27	0.54548582	0.376621900	0.197245610	0.181551570	0.316971150
## 28	-0.05601575	-0.136791980	-0.389470070	-0.217090790	-0.368110800
## 29	-0.19508083	0.404561570	-0.152035850	0.208434370	0.064044182
## 30	0.36294314	0.295589980	-0.024267349	0.131697930	0.261898000
## 31	0.46428771	-0.601662930	0.095366401	-0.656709250	0.244492350
## 32	0.42218320	-0.597748940	0.121848180	-0.589910080	0.085652898
## 33	0.18795733	-0.466013740	0.111892790	-0.372541440	-0.368244890
## 34	0.19301084	-0.040690532	0.001166918	-0.225457400	0.228731170
## 35	0.34083253	0.163912450	-0.118887810	-0.011818866	0.418732690
## 36	0.20861416	0.167704680	0.183135000	-0.071092449	0.345690250

## 37	0.37636100	0.158226460	0.351536160	-0.023786403	0.263300270
## 38	0.45630173	0.116361920	0.222114850	0.013048376	0.159716530
## 39	0.04502327	0.227140460	-0.037222516	0.077581665	0.088580315
## 40	0.05921153	0.297450810	-0.008035883	0.209837710	0.327291970
## 41	0.40535728	0.431633230	-0.174837080	0.298267910	0.519130760
## 42	0.50069516	0.331259990	-0.001149236	0.309074350	0.378865610
## 43	0.53811411	0.331334250	0.115178090	0.182360400	0.377971300
## 44	0.59611885	0.384246530	-0.061855240	0.209918570	0.244593140
## 45	0.49040338	0.277690880	-0.096574425	0.273471020	0.007414692
## 46	0.41140965	0.234454590	-0.061155888	0.261142490	0.310387800
## 47	0.24818433	0.353126740	-0.063430113	0.257837470	0.321496150
## 48	0.30388781	0.197176700	0.012985808	0.003283997	0.280920970
## 49	0.37916558	-0.033125360	0.174984960	-0.275327990	0.439246380
## 50	0.26656133	0.108162310	0.119425070	0.037704871	0.144589870
## 51	0.51665502	0.618408910	-0.025992448	0.527183740	0.235231260
## 52	0.32225892	-0.010499295	-0.092176186	-0.046172202	-0.210219240
## 53	0.71653632	0.166111170	0.164941100	-0.058063542	0.224156110
## 54	0.66852309	0.230790600	-0.056355264	0.099691735	0.063886900
## 55	0.20964690	0.560960930	-0.094518340	0.320587590	0.196632340
## 56	0.42905740	0.264499120	0.195171090	0.034509841	0.372380850
## 57	0.61192892	0.229480240	0.089001259	0.220033190	-0.055327553
## 58	0.38813878	0.426723310	-0.060558795	0.230288150	0.068526722
## 59	0.38796825	0.346281180	-0.097567312	0.093478652	0.157796920
## 60	0.65618972	0.266407040	-0.058316226	0.195399700	-0.195557580
## 61	0.76082060	0.430748570	-0.039583095	0.229150170	0.015283233
## 62	0.46571841	0.393163600	-0.001549568	0.190624860	0.130724300
## 63	0.57888528	0.332368750	0.072924952	0.163949420	0.162266930
## 64	0.35807227	0.325285090	0.161587950	0.219367340	0.231811580
## 65	-0.23129159	0.193873510	-0.232786760	0.147475740	-0.274497470
## 66	-0.09073992	0.202160130	0.093601545	0.114724620	-0.146075430
## 67	0.52487077	-0.567292250	0.408558910	-0.955494460	0.332696510
## 68	0.49140003	-0.545875330	0.363875150	-0.916994500	0.271343940
## 69	-0.10705541	-0.256493610	-0.122696610	-0.385066260	-0.213843150
## 70	-0.02841846	-0.239910410	0.002862870	-0.027366440	-0.260678990
## 71	0.02301193	0.149120210	-0.782782290	-0.059026150	0.499374060
## 72	-0.03756946	0.166368390	-0.799068630	-0.088951502	0.608015290
## 73	0.64749924	0.109095270	0.042768558	-0.193943610	0.642379700
## 74	-0.30226853	0.155644040	-0.034376868	0.197623980	0.150929730
## 75	-0.03870774	0.236519470	-0.054174817	0.387368710	0.157623260
## 76	0.03149619	0.144585650	0.056124257	0.074547278	0.220995850
## 77	0.28335533	0.376491920	0.048974172	0.235329520	0.444356820
## 78	0.54494466	0.404704360	0.048476494	0.260861120	0.476306060
## 79	0.35293063	-0.219078860	0.148345200	-0.044109892	-0.123718280
## 80	0.37066398	-0.298628700	0.239686140	-0.013087758	-0.148445370
## 81	0.43757424	-0.102995470	0.063646258	0.235085640	-0.279975690
## 82	0.46538243	-0.267334170	0.242754750	-0.028220360	-0.154872890
## 83	0.44932482	-0.291857170	0.237659230	-0.049578837	-0.150802140
## 84	0.41441040	-0.152788320	0.159225680	-0.013636186	-0.068493218
## 85	0.28874743	-0.293088930	0.330194530	-0.222562730	-0.033473286
## 86	0.69597703	-0.025844437	0.047515602	0.194080600	-0.255411290

## 87	0.38717181	-0.324280580	0.140679280	0.061217451	-0.237263950
## 88	0.34023065	-0.294216720	0.366464510	-0.097122929	-0.056045647
## 89	0.40571892	0.038875884	0.066204138	0.185895010	-0.118253280
## 90	0.53592508	0.068917299	-0.010508735	0.287282200	-0.231963200
## 91	0.64309390	-0.338221640	0.380483980	-0.086145746	-0.160494720
## 92	0.43448498	-0.477662530	0.547027270	-0.227211380	-0.080933778
## 93	0.28100995	0.018457498	0.145305590	0.152725730	0.054577011
## 94	0.37763997	0.212407010	-0.064375168	0.249558340	0.297513310
## 95	0.47185163	0.002574833	-0.056989411	0.367104690	-0.028478777
## 96	0.58979179	-0.072427468	0.016070451	0.110833630	0.062291063
## 97	0.35336951	-0.123483920	0.030593440	0.161452280	-0.165123970
## 98	0.23514129	-0.255169660	0.269698440	-0.042344707	-0.281744110
## 99	0.41752494	-0.054106094	-0.003825680	0.147643410	-0.198959810
## 100	0.43352545	0.168118570	-0.118563540	0.209248600	-0.049894534
## 101	0.54740297	0.053938603	0.040569052	0.130929870	-0.045264810
## 102	0.50759658	-0.153306880	0.243392460	0.057867089	-0.096017211
## 103	0.37297986	-0.262372590	0.234864090	0.127659700	-0.364748940
## 104	0.38037716	-0.370386100	0.221122920	0.196564510	-0.544616390
## 105	0.33968781	-0.260741730	0.076982268	0.270400360	-0.440378950
## 106	0.50725188	-0.095883296	0.071659717	-0.101342120	0.038186894
## 107	0.72167858	-0.290577850	0.348369140	-0.271546920	-0.075403675
## 108	0.29602253	-0.206580700	0.186435690	-0.019746938	-0.159437040
## 109	0.29604945	-0.073545406	0.047627141	0.200510360	-0.022897394
## 110	0.50325349	-0.002947852	0.019715642	0.143061690	0.036578780
## 111	0.54366044	-0.017944351	-0.079218283	0.179754690	-0.044012601
## 112	0.36068749	0.069093644	0.070368161	0.217131460	-0.098654517
## 113	0.37719138	0.322906470	-0.307555350	0.490171390	-0.189280870
## 114	0.66952249	0.041568912	0.064812051	0.122688430	-0.229509330
## 115	0.54517475	0.009329724	0.025649026	0.041526437	-0.174262890
## 116	0.26107156	-0.085272320	0.023486832	0.184824490	-0.313740620
## 117	0.43795080	-0.487112190	0.502060410	-0.242512260	-0.181002270
## 118	0.61604424	-0.433028080	0.426959620	-0.339921840	-0.035101812
## 119	0.65911154	-0.397574180	0.379164940	-0.343544360	-0.028920438
## 120	0.56456378	-0.691117130	0.689192710	-0.581113320	0.049911381
## 121	0.40809845	-0.653371460	0.583158680	-0.560252030	0.083279677
## 122	0.59282318	-0.419225370	0.368184770	-0.411492480	-0.050968284
## 123	0.67066350	-0.431140010	0.388114270	-0.219273760	-0.152186270
## 124	0.42587634	-0.427171120	0.233569540	-0.007277154	-0.233373470
## 125	0.36022508	-0.192804500	0.029483917	0.095888449	-0.176758210
## 126	0.50545192	-0.094357760	0.276481300	0.199904260	-0.090559593
## 127	0.37921140	0.062552648	0.381373850	-0.032552730	0.196617040
## 128	0.24512103	0.092101755	0.363212890	0.030227880	0.177813490
## 129	0.52318003	0.075517371	0.323840710	0.060966958	-0.024145777
## 130	0.70676361	-0.027505144	0.433782550	-0.067708584	0.223325930
## 131	0.57496295	-0.250045010	0.615391900	-0.183481020	0.364460040
## 132	0.38203730	-0.053525441	0.504901290	0.041757094	0.336853760
## 133	0.23672223	0.296395100	0.090697993	0.436771140	0.202742550
## 134	0.22747767	0.434694680	0.115027850	0.433612470	0.276334490
## 135	0.71100720	0.271708240	0.024794932	0.341329290	0.155760800
## 136	0.41421321	-0.073813857	0.333810050	-0.037230609	0.474236900

## 137	0.09976587	0.135553780	0.209244980	0.194105490	0.459677510
## 138	0.09552600	-0.234082010	0.590222330	-0.273211910	0.263305580
## 139	0.14863545	-0.296963410	0.622172670	-0.363971810	0.325461280
## 140	0.19138238	-0.095135266	0.315152450	0.065167608	0.236428070
## 141	0.19264949	0.121749340	0.223046260	0.235120290	0.205564290
## 142	0.15559415	0.125363550	0.172438680	0.233500060	0.106566370
## 143	0.36897034	-0.019334812	0.298902650	0.080182524	0.197279950
## 144	0.41965093	0.015247058	0.304817180	0.066301473	0.234095580
## 145	0.53542706	-0.336423750	0.466478250	-0.030767912	0.127296260
## 146	0.33956829	-0.279274570	0.389452010	-0.033190503	0.158247930
## 147	0.32459247	-0.211375970	0.387127870	-0.064935533	0.192310420
## 148	0.25417489	0.044728051	0.211304740	0.263591280	0.047602302
## 149	0.16054196	0.249025190	0.057415677	0.491778760	-0.022048109
## 150	0.33440217	0.189686520	0.052065784	0.472738600	0.044097734
## 151	0.29836294	-0.678289740	0.266563230	0.143305280	-0.640772640
## 152	0.42307537	-0.734217840	0.393520160	-0.236270010	-0.211716550
## 153	0.33256994	-0.549194090	0.148329090	-0.248342580	-0.152990270
## 154	0.41792301	-0.429729930	0.195809910	-0.421349810	-0.084729178
## 155	0.12523494	-0.607530830	0.367175180	-0.241508360	-0.327543450
## 156	0.03947994	-0.636118950	0.295394310	-0.102922510	-0.467725410
## 157	0.22209186	-0.172828700	-0.176481590	-0.038134311	-0.047729068
## 158	0.12024824	-0.200980430	-0.164919980	-0.035500504	-0.067001274
## 159	0.08875714	-0.200414850	-0.120364070	-0.034946868	-0.137212540
## 160	0.04383722	-0.541306150	0.111408390	-0.012827324	-0.345616850
## 161	-0.09979715	-0.719620180	0.427561030	-0.189675580	-0.399881270
## 162	-0.04442288	-0.510747130	0.250827270	-0.195848950	-0.295188970
## 163	0.14570074	-0.263571090	-0.099781607	-0.133497310	-0.193581560
## 164	0.10494152	-0.451004730	0.036601581	-0.066157572	-0.376547260
## 165	-0.04566949	-0.613706900	0.191006300	-0.203327200	-0.528722250
## 166	-0.27572003	-0.485026150	0.032244392	-0.047405960	-0.511715150
## 167	0.13644867	-0.304131020	-0.117830390	-0.040739458	-0.362549710
## 168	0.17637221	-0.308749240	-0.298065250	0.046198183	-0.176272080
## 169	0.15108311	-0.341265500	-0.039080990	-0.106541300	-0.160328550
## 170	0.18883605	-0.209148100	-0.079305006	-0.089753897	-0.310505100
## 171	0.17968393	-0.200610600	-0.166245420	-0.032232152	-0.266766720
## 172	0.16894136	-0.346175290	0.067420362	-0.227624840	-0.024186171
## 173	-0.15993388	-0.378151450	0.015951072	-0.150465820	-0.396655490
## 174	-0.03982643	-0.168009940	-0.314427610	0.114761180	-0.554547370
## 175	0.25224139	-0.130779410	-0.342894630	-0.020119451	-0.329285460
## 176	0.16227792	-0.349283050	0.064317371	-0.174702790	-0.448000450
## 177	0.12292654	0.342757310	-0.390783550	0.174989520	-0.092535098
##	NA	NA	NA	NA	NA
## 1	-0.385300500	0.033643943	-0.126510820	-0.0061008489	-0.031364791
## 2	-0.208772180	0.084103799	-0.268553900	-0.0161116200	-0.083893777
## 3	-0.120104660	-0.110025630	-0.039952746	-0.0316982940	-0.102335420
## 4	-0.127495150	-0.083278359	0.457059830	-0.0434099830	-0.091386182
## 5	-0.272883600	0.103064750	0.064729309	-0.0339604160	-0.074708034
## 6	-0.374610950	0.041825695	-0.111782090	-0.0287755080	-0.070393108
## 7	0.108143230	0.254551660	0.264624870	-0.0286002510	-0.083046734
## 8	0.209936320	0.303799460	0.191844380	-0.0242002620	-0.077892610

## 9	-0.301465540	-0.060574147	0.064353480	-0.0248310250	-0.066401639
## 10	0.106665680	0.136307120	0.440077090	-0.0234154000	-0.070925683
## 11	0.205178850	0.256964840	0.281471610	-0.0247082550	-0.068884585
## 12	-0.262583610	0.115339800	-0.303204080	-0.0311731580	-0.074666711
## 13	-0.093111521	-0.184569230	-0.166531600	-0.0291686110	-0.075944066
## 14	-0.218120130	0.030357820	-0.110299310	-0.0270870930	-0.071831343
## 15	-0.235410180	-0.038076262	0.193140370	-0.0105482010	0.157054250
## 16	-0.002551633	-0.074397453	0.116398260	-0.0158108590	0.027702205
## 17	-0.097228401	0.047331418	-0.157477700	-0.0134068160	-0.046264419
## 18	-0.098731431	0.060070412	-0.261706510	-0.0127250970	-0.077761376
## 19	0.031554035	0.159745430	-0.037604755	-0.0246423600	-0.087790863
## 20	-0.053548189	0.375932970	0.254196560	-0.0294619130	-0.084376762
## 21	-0.158677720	0.239963290	0.099502630	-0.0298149330	-0.078706495
## 22	-0.131843120	0.474658650	-0.012174827	-0.0291788900	-0.079554020
## 23	-0.209320550	0.406195270	-0.002821985	-0.0281536990	-0.076118947
## 24	-0.162668880	0.263444930	0.042514980	-0.0272209350	-0.069195151
## 25	-0.129360610	0.305137030	0.033019343	-0.0249607010	-0.071607144
## 26	-0.101277660	0.432370290	-0.026853834	-0.0273727390	-0.075304300
## 27	-0.092575488	0.369454710	0.094403698	-0.0305296170	-0.074705186
## 28	0.063643890	0.119027570	0.396556490	-0.0464896660	-0.282897940
## 29	-0.363540450	-0.240163420	0.155448030	-0.0484083800	-0.239173860
## 30	-0.437101210	-0.132440740	0.197492770	-0.0394119360	-0.166747870
## 31	-0.547728250	-0.254727620	-0.204399180	-0.0377316410	0.021333829
## 32	-0.465716320	-0.242341860	-0.126358650	-0.0038232806	0.019187316
## 33	-0.214261830	-0.154990610	0.092326309	-0.0045972195	-0.156696110
## 34	-0.498964020	-0.036378221	-0.094961035	-0.0426815420	-0.152633430
## 35	-0.508495140	0.107459460	0.079505921	-0.0415567130	-0.113257980
## 36	-0.157222170	0.373563710	0.285968130	-0.0354576770	-0.091001714
## 37	-0.235739310	0.256845460	0.215853470	-0.0309191370	-0.074625079
## 38	-0.162545820	-0.023392231	-0.113579550	-0.0282019870	-0.072296089
## 39	0.056420447	0.030212806	-0.119021570	-0.2250394600	-0.133158860
## 40	-0.259052820	-0.036388908	-0.020750148	-0.1493380800	-0.107575560
## 41	-0.355717250	0.019556596	-0.011108780	-0.0793661120	-0.094869929
## 42	-0.182918030	-0.099165656	-0.005846375	-0.0378247330	-0.076526530
## 43	0.010472500	0.232837940	0.155417990	-0.0210748000	-0.072633665
## 44	-0.049165008	0.520191020	0.157125380	-0.0174946200	-0.073362144
## 45	-0.131069230	0.255001820	0.069397459	-0.0204947850	-0.069807644
## 46	-0.304279450	0.356131670	-0.026198369	-0.0246441440	-0.070023979
## 47	-0.161880000	0.300205190	-0.170015350	-0.0263386700	-0.074526058
## 48	-0.026581153	0.123732890	-0.219040920	-0.0280214810	-0.074033170
## 49	0.023903090	0.145420180	-0.294621760	-0.0286992320	-0.075571862
## 50	0.048057130	0.071610674	-0.221873070	-0.0280060840	-0.076306270
## 51	-0.090188720	0.281259730	-0.093608608	-0.0282116640	-0.072544173
## 52	0.815406500	0.184348570	0.097213860	0.0315519540	-0.131995140
## 53	0.028894766	0.280025040	-0.220895720	0.0092571098	-0.078793121
## 54	-0.269252230	0.499018670	-0.166835580	-0.0134243890	-0.075370833
## 55	-0.487434860	0.669506610	-0.462894490	-0.0249598100	-0.076133944
## 56	-0.242978590	0.457454050	-0.469867700	-0.0295503870	-0.068085138
## 57	0.173867190	0.224301860	-0.101137030	-0.0304311470	-0.073488076
## 58	0.049467893	0.071982262	-0.136875490	-0.0297963300	-0.071422989

## 59	-0.290174370	0.113465760	-0.171019550	-0.0288541800	-0.072704386
## 60	-0.275149550	0.163374390	-0.007425133	-0.0277371350	-0.075772812
## 61	-0.204722000	0.152413390	-0.035244753	-0.0274154380	-0.076236511
## 62	-0.157766990	0.214927550	-0.077605724	-0.0275579170	-0.074717452
## 63	-0.166440740	0.188578450	-0.346804520	-0.0281896880	-0.075922288
## 64	-0.194117650	-0.020017427	-0.295073660	-0.0279483240	-0.075748823
## 65	-0.131715090	-0.547200640	0.394759450	0.2020498200	0.040694905
## 66	-0.082276665	0.189547810	0.099270797	0.1186012000	-0.018781307
## 67	0.539830510	0.364180620	0.505775480	-0.0593797790	0.088092240
## 68	0.531973990	0.301641800	0.437498370	-0.0359611920	-0.034605486
## 69	0.093499711	-0.274417700	-0.291816810	0.0821332120	-0.243235220
## 70	0.098248049	-0.329882660	-0.178498240	-0.0369361030	-0.057546422
## 71	0.485130380	0.290926460	0.712753600	-0.2378248200	0.001320819
## 72	0.536875270	0.358317940	0.759497230	-0.2298139700	-0.084139792
## 73	0.293819860	-0.161137960	-0.070798529	0.0499288140	-0.115302760
## 74	-0.063109724	-0.072455945	-0.059533315	0.1612799100	-0.130438590
## 75	-0.023996426	-0.008259743	-0.106109450	0.0865720530	-0.107677430
## 76	-0.095351327	0.125335380	-0.220228440	0.0189821970	-0.088940444
## 77	0.117638810	0.069478334	-0.233705310	-0.0223196250	-0.073791881
## 78	0.111349770	0.134363740	-0.221452890	-0.0334966340	-0.068706240
## 79	-0.367091900	-0.192283360	0.504731480	-0.4797295200	0.082034033
## 80	-0.301345110	-0.269860910	0.456118480	0.0940914810	-0.309152910
## 81	-0.221572180	-0.279838700	0.470135100	0.2112005700	-0.272905420
## 82	-0.151880510	-0.269317390	0.510220770	0.0960817380	-0.163394250
## 83	-0.203931150	-0.154448070	0.584593450	0.0087423875	0.011660578
## 84	-0.159566540	-0.053069215	0.568275260	-0.0425566000	0.097617796
## 85	0.080299512	-0.087217493	0.350714830	-0.0372465090	-0.097676458
## 86	0.025644476	-0.263396180	0.301148890	-0.0161086060	-0.224752700
## 87	-0.282677940	-0.207079370	0.666762800	-0.2392859300	0.078229978
## 88	-0.237256990	-0.243976650	0.658310500	-0.0707388470	-0.118815440
## 89	-0.103874750	-0.147424760	0.544987240	0.0127809600	-0.295050110
## 90	-0.017096531	-0.180570700	0.414512510	-0.0196917170	-0.163205240
## 91	-0.091910876	-0.175821840	0.497958290	-0.0492023810	0.088514793
## 92	-0.165264550	-0.195871240	0.589804220	-0.0179271180	0.105327810
## 93	-0.030151665	-0.225084380	0.560669280	-0.0114817050	-0.153322760
## 94	-0.049771890	-0.297461940	0.437571490	0.0129971230	-0.227591540
## 95	-0.121584490	-0.409550890	0.259923020	0.0146516100	-0.190636540
## 96	0.025660366	-0.240842690	0.236881430	-0.0455323790	-0.146006390
## 97	-0.048464463	-0.253305750	0.294606070	-0.0683534970	0.023946895
## 98	-0.162549300	-0.255019990	0.325321870	-0.0658244830	0.104709540
## 99	-0.021996143	-0.143448640	0.409982020	0.1916016200	-0.075822649
## 100	-0.174122330	-0.272164330	0.426782220	0.0214834250	0.064451419
## 101	-0.243525890	-0.198722060	0.449738990	-0.0366181740	-0.089046514
## 102	-0.376025560	-0.309908730	0.670427780	-0.0329982000	-0.167240480
## 103	-0.303746390	-0.319631070	0.722056610	-0.0451324380	-0.262268960
## 104	-0.243031650	-0.249786880	0.716047050	-0.0664706230	0.005645369
## 105	-0.207386320	-0.185581470	0.671484730	-0.0475147220	0.144637250
## 106	-0.015885416	-0.026360987	0.451000730	-0.0599592100	0.025881487
## 107	0.034068108	-0.057197510	0.418676370	-0.0170109650	-0.132132070
## 108	0.039892134	-0.137543630	0.466354830	0.0367745900	-0.235416280

## 109	-0.039496952	-0.213296420	0.490822500	0.0017780167	-0.174895940
## 110	-0.097537775	-0.131092250	0.504007190	-0.0334570170	-0.049285129
## 111	-0.152900820	-0.131503590	0.610607290	-0.0813724460	0.056962195
## 112	0.006629045	-0.141784600	0.649873480	-0.6312848700	0.338864070
## 113	-0.046440592	-0.269314190	0.374280240	-0.3664444300	0.072161271
## 114	0.048377337	-0.139615990	0.472624590	-0.1993631100	-0.095754272
## 115	-0.117016980	-0.065315989	0.461054790	-0.0980312970	0.039626295
## 116	-0.285013790	-0.279160780	0.478108430	0.0174702530	0.051533555
## 117	-0.177311610	-0.256913530	0.529633930	0.0481354480	-0.082637884
## 118	-0.023716902	-0.144586770	0.330022230	-0.0070935541	-0.160172310
## 119	0.013310384	-0.025309559	0.210473910	0.0002141360	-0.257720910
## 120	-0.263201470	-0.087956434	0.313915700	-0.0213563490	-0.125467980
## 121	-0.228404290	-0.157196160	0.329508350	-0.0729442890	-0.115063500
## 122	-0.073647621	-0.113284490	0.339436250	-0.0470359840	-0.149365460
## 123	-0.023037179	-0.260822800	0.452506920	0.0080967756	0.018427911
## 124	-0.032043427	-0.253312530	0.461221180	-0.0281804970	0.134382080
## 125	-0.202682920	-0.107926410	0.414254740	-0.0439752200	-0.001417998
## 126	-0.325414600	-0.520593860	0.177339230	-0.0327278590	-0.111061650
## 127	-0.532470890	-0.223866290	0.250825240	-0.0734237860	-0.081083025
## 128	-0.574609320	-0.217664990	0.323986100	-0.4770527400	0.180647750
## 129	-0.381924240	-0.293633080	0.253779720	-0.4445244400	0.168844280
## 130	-0.073408328	-0.310543680	0.207009180	0.0763076690	-0.139809360
## 131	-0.100068850	-0.487030660	0.326443220	-0.1756098000	-0.024263868
## 132	-0.205623040	-0.558401880	0.330599070	0.0006238958	-0.096132919
## 133	-0.277257000	-0.318813200	0.283257060	0.4475728500	-0.307168600
## 134	-0.461440450	-0.418870300	0.399924850	0.2946423300	-0.206986920
## 135	-0.375365970	-0.665121630	0.290669630	-0.4128569000	0.182605990
## 136	-0.311439230	-0.439138570	0.292814530	-0.3301899200	0.137855930
## 137	-0.397842220	-0.401588960	0.326385070	-0.5619920300	0.354484130
## 138	-0.251188720	-0.300811930	0.037222261	-0.1731315500	0.079567930
## 139	-0.061905604	-0.174587720	-0.224629490	0.0573099430	-0.110243800
## 140	-0.246468740	-0.137000680	-0.127727660	-0.1924602200	-0.094912968
## 141	-0.209535650	-0.157124930	0.015637408	0.2096373900	-0.337988200
## 142	-0.101198210	-0.137534920	-0.100684400	0.4022881900	-0.338773950
## 143	-0.515840480	-0.316307170	0.450060470	-0.4701094300	0.217700420
## 144	-0.471619340	-0.286516520	0.336915560	-0.4379426300	0.165124860
## 145	-0.359559770	-0.224055980	0.269014510	-0.5885854500	0.472156490
## 146	-0.331255420	0.012143940	0.247685970	-0.1507958000	0.166182590
## 147	-0.125732620	0.046648801	0.036197431	-0.0894886130	-0.042483479
## 148	-0.113950610	-0.282466850	0.051126642	-0.1442861100	-0.048495712
## 149	-0.233364730	-0.272550870	0.184418960	0.3545192300	-0.475270960
## 150	-0.247556760	-0.214282500	0.188048080	0.3821750500	-0.404705260
## 151	-0.119928100	-0.242067970	0.278796070	0.2210552800	-0.263545070
## 152	-0.149293580	-0.266144730	0.437114220	0.0915495630	-0.184043120
## 153	0.165752590	-0.065337167	0.288024510	0.4014941700	-0.500936510
## 154	-0.074058179	0.131627360	0.195190360	0.2418690600	-0.274127170
## 155	-0.404679780	-0.134824510	0.331907320	-0.1183210600	0.041265770
## 156	-0.271849020	-0.186964440	0.379153570	0.1068370200	-0.254617830
## 157	-0.256435920	-0.100860560	0.384476190	-0.1133225300	-0.067416287
## 158	-0.303987750	-0.185242950	0.368801850	-0.4121534400	0.202418380

## 159	-0.148991320	-0.112092510	0.323898100	0.2141545900	-0.272891730
## 160	-0.311864060	-0.272433760	0.418475490	0.1574202100	-0.190156150
## 161	-0.255003490	-0.172418330	0.284097950	0.3938259600	-0.425280500
## 162	-0.194947020	-0.038603056	0.132062540	0.1233939400	-0.209000970
## 163	-0.358549470	-0.001777714	0.189790750	-0.0195484480	-0.158514950
## 164	-0.434010950	-0.009966085	0.240857520	0.0936091780	-0.315860580
## 165	-0.401828940	0.022505093	0.328932000	-0.2868720100	0.076320917
## 166	-0.292387060	0.011677073	0.363219360	-0.4025515000	0.188920680
## 167	-0.390538650	0.004434835	0.211550680	-0.2279948200	0.005252523
## 168	-0.174464670	0.200174970	0.088914435	0.4829414200	-0.411669890
## 169	-0.358086540	-0.035956463	0.441091430	0.3026892700	-0.242481230
## 170	-0.366932360	-0.042619214	0.524917070	0.4995618900	-0.529786350
## 171	-0.152767490	-0.093591032	0.401238610	0.1769649900	-0.397058870
## 172	-0.448711590	-0.243832230	0.369818360	-0.2152064700	-0.043170455
## 173	-0.503502070	-0.147258840	0.336463120	0.1134963200	-0.310938090
## 174	-0.202121720	0.061013034	0.278749480	-0.0806006290	-0.116268610
## 175	-0.156071960	0.174665830	0.291769390	-0.3998600700	0.181701500
## 176	-0.693816830	0.044065905	0.455786200	-0.2500102600	0.076122110
## 177	-0.029389798	-0.206925560	0.163407530	0.0134398750	0.121561090
##	NA	NA	NA	NA	NA
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## 2	0.1005842900	-0.98311996	-0.989045800	-0.98912123	-0.98689045
## 3	0.0961268760	-0.97629211	-0.993551820	-0.98637871	-0.97492153
## 4	0.0855376990	-0.99138480	-0.992407320	-0.98755418	-0.99158889
## 5	0.0773920350	-0.98518357	-0.992378120	-0.98740185	-0.98694370
## 6	0.0790121420	-0.98518080	-0.992117480	-0.98307675	-0.98578560
## 7	0.0954645550	-0.98817723	-0.989205710	-0.97915380	-0.98772264
## 8	0.0940956070	-0.98910723	-0.987403240	-0.97851956	-0.98912885
## 9	0.0778629820	-0.99088198	-0.992891350	-0.98724152	-0.99050928
## 10	0.0789758430	-0.98493784	-0.987303760	-0.98084404	-0.98510311
## 11	0.0854817750	-0.98466387	-0.988215590	-0.98090404	-0.98548275
## 12	0.0915775350	-0.99416933	-0.995566520	-0.99579097	-0.99402183
## 13	0.0861835190	-0.99544544	-0.997109200	-0.99586602	-0.99499607
## 14	0.0836222370	-0.99761834	-0.997609530	-0.99617388	-0.99734429
## 15	-0.1745214700	-0.97753165	-0.941867550	-0.91159041	-0.98098337
## 16	-0.0269414500	-0.98874836	-0.967257510	-0.93401801	-0.98803853
## 17	0.0609336250	-0.98911045	-0.982180280	-0.97436137	-0.98850318
## 18	0.0945036680	-0.98919640	-0.989762100	-0.98196822	-0.98945367
## 19	0.1078218700	-0.99128786	-0.997697480	-0.99533142	-0.99094655
## 20	0.1007478900	-0.99590036	-0.997545030	-0.99504298	-0.99590963
## 21	0.0937734690	-0.99747587	-0.998228080	-0.99813809	-0.99733101
## 22	0.0945852790	-0.99758401	-0.998648630	-0.99768157	-0.99745259
## 23	0.0889987580	-0.99808137	-0.997586300	-0.99486246	-0.99848514
## 24	0.0790552280	-0.99833703	-0.998208290	-0.99598691	-0.99861997
## 25	0.0808561270	-0.99624819	-0.997671450	-0.99406934	-0.99625450
## 26	0.0885527260	-0.99353980	-0.997429250	-0.99505457	-0.99374243
## 27	0.0894155930	-0.99433322	-0.997476570	-0.99679810	-0.99465918
## 28	0.2294843700	-0.97335570	-0.972203390	-0.91719890	-0.98014989
## 29	0.2470503700	-0.99422554	-0.975368420	-0.96888020	-0.99406462
## 30	0.1830192900	-0.99564427	-0.978231050	-0.96663998	-0.99549930

## 31	0.0765793130	-0.73087388	-0.499649460	-0.56901637	-0.81746389
## 32	-0.0502120920	-0.72058157	-0.488968540	-0.50932463	-0.78495030
## 33	0.0604051910	-0.92572959	-0.897016750	-0.72055919	-0.94347515
## 34	0.2031538800	-0.99621609	-0.978202470	-0.97771988	-0.99680444
## 35	0.1566043000	-0.99813599	-0.990542560	-0.97702357	-0.99780378
## 36	0.1177939600	-0.99673098	-0.994242210	-0.98667882	-0.99638761
## 37	0.0942838350	-0.99909646	-0.992917250	-0.99092483	-0.99908116
## 38	0.0848893220	-0.99834012	-0.994224820	-0.99602129	-0.99820505
## 39	-0.5941657600	-0.95390955	-0.972973420	-0.84095619	-0.95191223
## 40	-0.2865718300	-0.94503475	-0.988712060	-0.83657336	-0.94203201
## 41	-0.0405384660	-0.96234359	-0.988681120	-0.90097784	-0.96022695
## 42	0.0745763030	-0.98300305	-0.993492020	-0.97544897	-0.98260563
## 43	0.1157964700	-0.99429125	-0.994729220	-0.98163073	-0.99485404
## 44	0.1289361600	-0.99892436	-0.995596170	-0.98693836	-0.99893406
## 45	0.1068855000	-0.99735086	-0.994702320	-0.98453755	-0.99732325
## 46	0.0926319180	-0.99853579	-0.994201930	-0.98875701	-0.99841259
## 47	0.0921485360	-0.99878789	-0.995054670	-0.98844605	-0.99875639
## 48	0.0812382510	-0.99835296	-0.994911450	-0.99213197	-0.99851666
## 49	0.0848936500	-0.99853287	-0.995739250	-0.98903748	-0.99863450
## 50	0.0924671060	-0.99827112	-0.995050900	-0.98889306	-0.99822694
## 51	0.0808646120	-0.99810121	-0.993141980	-0.98862667	-0.99818155
## 52	0.5432788500	-0.95513929	-0.933605610	-0.81188693	-0.96509851
## 53	0.2575647900	-0.98117184	-0.992719250	-0.89226640	-0.98020457
## 54	0.1005448200	-0.99013041	-0.996153430	-0.94702521	-0.98987901
## 55	0.0430375740	-0.99618046	-0.995071170	-0.98902329	-0.99598742
## 56	0.0459467490	-0.99914537	-0.995488430	-0.99423868	-0.99899020
## 57	0.0555906940	-0.99911560	-0.994887490	-0.99445568	-0.99913337
## 58	0.0751469740	-0.99897201	-0.994454780	-0.98615570	-0.99913324
## 59	0.0850619870	-0.99917255	-0.993990740	-0.99480310	-0.99921115
## 60	0.0864718190	-0.99924487	-0.995764880	-0.99377387	-0.99926176
## 61	0.0881932550	-0.99960009	-0.995945040	-0.99434839	-0.99961180
## 62	0.0875748090	-0.99885209	-0.995185790	-0.99511471	-0.99891433
## 63	0.0852424670	-0.99843598	-0.994913710	-0.99437920	-0.99836980
## 64	0.0861522210	-0.99904601	-0.994318450	-0.99335143	-0.99905130
## 65	0.7316265700	-0.88716564	-0.915990420	-0.87226754	-0.90644809
## 66	0.5129021100	-0.94532037	-0.979073020	-0.86142570	-0.94173599
## 67	0.1312556800	-0.42283371	-0.788106630	-0.56517871	-0.56834982
## 68	0.0588127130	-0.38879976	-0.744798780	-0.59595082	-0.50876266
## 69	0.2159295300	-0.80797336	-0.924891460	-0.92594262	-0.83259985
## 70	-0.0521754020	-0.63256602	-0.783017970	-0.62485358	-0.74825330
## 71	-0.0985443640	-0.08129443	-0.670237930	-0.57189809	-0.35190001
## 72	0.1265847800	-0.11708191	-0.705085290	-0.72542219	-0.37048572
## 73	0.1956875900	-0.70487231	-0.858210790	-0.87840890	-0.74576458
## 74	0.2121310600	-0.94601195	-0.983027070	-0.96470731	-0.94542062
## 75	0.1590743300	-0.95021471	-0.988112220	-0.96948105	-0.94599969
## 76	0.1103430600	-0.96234199	-0.993114060	-0.98134938	-0.95835434
## 77	0.0812179640	-0.98176287	-0.994969890	-0.99107732	-0.98342245
## 78	0.0764133740	-0.99260027	-0.996918580	-0.99510021	-0.99224797
## 79	0.2564430900	-0.32354578	-0.141939720	-0.45659800	-0.29766521
## 80	0.0864411650	-0.39925291	-0.088415705	-0.40215750	-0.43858778

## 81	0.1019860100	-0.44543781	-0.063083329	-0.34705584	-0.46139436
## 82	0.0258594640	-0.36040537	0.042333424	-0.27613840	-0.38253398
## 83	0.0041745148	-0.37755748	0.133715030	-0.30814814	-0.38651704
## 84	0.0846554540	-0.51085478	0.026422841	-0.37242435	-0.51719760
## 85	0.1324832800	-0.50430997	-0.101970170	-0.32240541	-0.52175529
## 86	0.1488296400	-0.47230941	-0.061530134	-0.29837084	-0.48818386
## 87	0.0431372620	-0.46501506	-0.167400450	-0.43151087	-0.47543749
## 88	0.1498907100	-0.46773904	-0.088727759	-0.37812283	-0.48928779
## 89	0.1837547800	-0.51115059	-0.098407942	-0.34932550	-0.54132238
## 90	0.0995285430	-0.49171175	-0.065042631	-0.31606302	-0.51292997
## 91	0.0196041240	-0.43666047	0.033947370	-0.30922493	-0.44255838
## 92	0.0796641310	-0.45932476	0.034665288	-0.32584284	-0.47962629
## 93	0.1127021300	-0.51392579	-0.050255776	-0.28288630	-0.53727086
## 94	0.1428857800	-0.47216816	-0.027794022	-0.26281941	-0.49735102
## 95	0.1035978500	-0.41936161	-0.012322999	-0.30791562	-0.45413830
## 96	0.0068022451	-0.42216651	-0.013167728	-0.29260458	-0.43980928
## 97	-0.0137894220	-0.44827352	0.051216271	-0.26886698	-0.44548025
## 98	0.0956241230	-0.50437893	0.015762644	-0.30003199	-0.50069421
## 99	-0.0223875810	-0.45595247	0.030218936	-0.26607028	-0.46579031
## 100	0.0727822900	-0.48266333	-0.022088940	-0.31057250	-0.49406624
## 101	0.1596885100	-0.49677092	-0.080350970	-0.36284538	-0.52737714
## 102	0.1763366100	-0.46948578	0.032367693	-0.30173541	-0.51463924
## 103	0.0556777720	-0.44777597	0.055891583	-0.30133812	-0.48959818
## 104	-0.0289075520	-0.45538127	0.069813254	-0.34900948	-0.47497430
## 105	0.0618590230	-0.50627991	0.009218841	-0.36831531	-0.52234765
## 106	0.1155227500	-0.54702492	-0.073083343	-0.38671403	-0.56704405
## 107	0.1188107000	-0.50791561	-0.010991653	-0.34020651	-0.53993214
## 108	0.1669562800	-0.48177333	0.013741497	-0.31572741	-0.50853348
## 109	0.0812176170	-0.45651035	0.012341046	-0.32178859	-0.48098034
## 110	-0.0312597120	-0.44989473	0.041568905	-0.30846622	-0.47876818
## 111	0.0441700070	-0.48169764	0.010786752	-0.30636273	-0.49690365
## 112	0.0662646880	-0.43202934	-0.009447212	-0.30859732	-0.45632518
## 113	0.1771800100	-0.45341569	-0.061216287	-0.32763842	-0.48704126
## 114	0.0880907160	-0.47562751	-0.054418398	-0.27340978	-0.50056770
## 115	0.0130219740	-0.44779670	-0.000303382	-0.32409599	-0.47821063
## 116	0.1077640300	-0.44545035	-0.022369313	-0.34846722	-0.47360785
## 117	0.1243362800	-0.49519683	-0.075819651	-0.29826376	-0.52868960
## 118	0.1075178700	-0.51719470	-0.115544520	-0.32551653	-0.55144711
## 119	0.0962865750	-0.51147526	-0.114165040	-0.35043595	-0.53600722
## 120	0.1134271200	-0.56317897	-0.097972713	-0.35386260	-0.60015615
## 121	0.1011386600	-0.54614905	-0.132568370	-0.36042092	-0.57956798
## 122	-0.0166367940	-0.47892631	-0.114912570	-0.27374917	-0.49261276
## 123	0.0288346550	-0.40173287	-0.057885666	-0.21479001	-0.40287329
## 124	0.1379761700	-0.40244449	-0.035971716	-0.29586382	-0.41463411
## 125	0.0757317940	-0.51378170	-0.065370344	-0.33271229	-0.54522100
## 126	0.1354629800	-0.67804595	-0.331174890	-0.32873594	-0.69242514
## 127	0.1117395000	-0.72682759	-0.159999430	-0.30760673	-0.75253100
## 128	0.0937456810	-0.34599847	-0.115286560	-0.25632971	-0.35102443
## 129	0.0740285730	-0.25952750	-0.174324110	-0.23970156	-0.28199975
## 130	0.0623900040	-0.54270950	-0.210707100	-0.16995951	-0.55138770

## 131	0.0892646900	-0.24056586	-0.087622849	-0.05253490	-0.21858120
## 132	0.0543641450	-0.14671664	-0.068871797	-0.09763150	-0.11467332
## 133	0.1179795000	-0.73433644	-0.246945320	-0.17787937	-0.74986371
## 134	0.1214822300	-0.74671130	-0.249120060	-0.23858846	-0.75192087
## 135	0.1533726800	-0.62878244	-0.010617799	-0.08246270	-0.66382079
## 136	0.2027245000	-0.66430820	-0.033440531	-0.09899060	-0.68545262
## 137	0.1750142000	-0.31801206	0.033933754	-0.05679736	-0.34657011
## 138	0.0003964888	-0.08568680	0.049300317	0.12732965	-0.04918201
## 139	0.0750702440	-0.36310657	0.064423707	0.11899540	-0.39755628
## 140	0.1075884400	-0.23369188	0.041119193	-0.13944291	-0.27608826
## 141	-0.0100624260	-0.26577972	-0.111831410	-0.16116687	-0.37893172
## 142	0.1794381200	-0.71373238	-0.139656820	-0.07395244	-0.71787719
## 143	0.1241266000	-0.64435903	-0.151241560	-0.15750311	-0.65438513
## 144	0.2813640500	-0.59954558	-0.143646510	-0.16523367	-0.61868940
## 145	0.0580359580	-0.29874790	-0.083700618	-0.04627086	-0.35271921
## 146	-0.0764482840	-0.06923546	0.037772628	-0.07928910	-0.08705971
## 147	0.1498433100	-0.21736271	-0.102482900	-0.14144583	-0.21783887
## 148	0.1149999300	-0.25878873	-0.127134910	-0.18214981	-0.26941455
## 149	0.0704262310	-0.60159804	-0.131965080	-0.25889060	-0.62618752
## 150	0.1169666000	-0.68828384	-0.208714730	-0.20020957	-0.68724591
## 151	0.0344481070	-0.68634674	-0.001321991	-0.55655051	-0.67876882
## 152	0.0466166610	-0.73791670	-0.020884050	-0.56188542	-0.74395205
## 153	-0.1189745000	-0.35180201	-0.026260286	-0.41956706	-0.37807307
## 154	0.0045285318	-0.20117646	0.006509982	-0.36459996	-0.21370313
## 155	0.1731541200	-0.53763313	0.009375310	-0.46154130	-0.52969764
## 156	0.1345927600	-0.60474306	-0.042601701	-0.46215867	-0.64665134
## 157	0.1847528700	-0.54435665	-0.019643429	-0.52116002	-0.53234506
## 158	0.1512020100	-0.72564864	0.012712706	-0.57456488	-0.73954287
## 159	0.0273753060	-0.65416238	-0.018962532	-0.61725207	-0.65093819
## 160	0.0463248120	-0.65814209	-0.020163289	-0.60270510	-0.66867892
## 161	-0.0615945450	-0.40939661	0.079773244	-0.30926751	-0.42073523
## 162	0.0249903250	-0.23879635	0.083457815	-0.34269519	-0.23053170
## 163	0.0607045640	-0.46432442	-0.116471980	-0.54808938	-0.43571251
## 164	0.0615959640	-0.49124717	-0.165186320	-0.52137641	-0.47206881
## 165	0.2033377500	-0.58934520	-0.107517490	-0.60749461	-0.61151087
## 166	0.1662548000	-0.76002085	-0.071266043	-0.59683363	-0.76296943
## 167	0.1103678300	-0.70387303	-0.085518582	-0.66346585	-0.71702461
## 168	-0.0132410200	-0.65619121	-0.035274007	-0.61595769	-0.66222258
## 169	0.0070514413	-0.69210253	-0.026432354	-0.59775683	-0.70153403
## 170	-0.0656235970	-0.44075342	0.030076113	-0.41783704	-0.48779453
## 171	0.0174525740	-0.18306779	0.017116928	-0.41529288	-0.18015774
## 172	0.1066202000	-0.62986471	-0.136806240	-0.54853658	-0.62851120
## 173	0.1027981500	-0.53118891	-0.244705030	-0.53867943	-0.58074232
## 174	0.1650279900	-0.40714449	-0.119546180	-0.54632096	-0.43364487
## 175	0.1571412500	-0.76357626	-0.045350642	-0.57194274	-0.75832847
## 176	0.0903591880	-0.65300139	-0.052249131	-0.59116617	-0.69516179
## 177	-0.0271252670	-0.96761340	-0.938871960	-0.90291680	-0.96940714
##	NA	NA	NA	NA	NA
## 1	-0.9763526200	-0.992361640	-0.867043740	-0.93378602	-0.7475661800
## 2	-0.9890379600	-0.989184580	-0.864903820	-0.95356049	-0.7458700000

## 3	-0.9941221100	-0.985786180	-0.864903820	-0.95904912	-0.7432771000
## 4	-0.9931420700	-0.989584910	-0.885320380	-0.95665634	-0.7432771000
## 5	-0.9925425000	-0.988162830	-0.870154080	-0.95335965	-0.7497799300
## 6	-0.9922686800	-0.982704930	-0.870154080	-0.95335965	-0.7463993500
## 7	-0.9897401300	-0.980000490	-0.880846490	-0.95431618	-0.7425941900
## 8	-0.9876054700	-0.976192240	-0.878916490	-0.95332025	-0.7425941900
## 9	-0.9939067700	-0.987830810	-0.878916490	-0.95332025	-0.7494695000
## 10	-0.9888956400	-0.982974350	-0.871571120	-0.94869370	-0.7477413400
## 11	-0.9898279900	-0.983507280	-0.871571120	-0.94869370	-0.7477413400
## 12	-0.9954854100	-0.996186790	-0.885642960	-0.95433478	-0.7558745100
## 13	-0.9970289700	-0.995882500	-0.886159170	-0.95606969	-0.7572021000
## 14	-0.9977533100	-0.996035480	-0.886159170	-0.95512014	-0.7592831100
## 15	-0.9442419300	-0.915308410	-0.859841110	-0.87785296	-0.8034711800
## 16	-0.9656623800	-0.929283930	-0.874785700	-0.92541442	-0.7690723300
## 17	-0.9820981700	-0.976089050	-0.874862200	-0.94352911	-0.7509771000
## 18	-0.9918735800	-0.983990880	-0.874862200	-0.95095864	-0.7467830600
## 19	-0.9979059800	-0.995617510	-0.878836550	-0.95829725	-0.7467830600
## 20	-0.9973872400	-0.994882180	-0.884585970	-0.95800296	-0.7511170500
## 21	-0.9981400200	-0.998062430	-0.886939260	-0.95753247	-0.7568416700
## 22	-0.9986228000	-0.997688100	-0.886450590	-0.95753247	-0.7552944200
## 23	-0.9974636800	-0.994550420	-0.884890440	-0.95667138	-0.7552944200
## 24	-0.9980769600	-0.996092550	-0.884858430	-0.95613276	-0.7604617200
## 25	-0.9975744800	-0.994214780	-0.883961710	-0.95613276	-0.7554665100
## 26	-0.9975339800	-0.995311080	-0.883961710	-0.95574729	-0.7554665100
## 27	-0.9976724800	-0.997413380	-0.885156850	-0.95574729	-0.7559536100
## 28	-0.9786105900	-0.940880760	-0.856909130	-0.94748333	-0.6941836300
## 29	-0.9743136300	-0.966260600	-0.893364430	-0.96970507	-0.6941836300
## 30	-0.9770687500	-0.965959670	-0.890292840	-0.96441189	-0.7021190700
## 31	-0.6144029600	-0.689653520	-0.630321630	-0.57256752	-0.3809859000
## 32	-0.5748374000	-0.523945930	-0.630321630	-0.57256752	-0.3809859000
## 33	-0.9214794400	-0.726837800	-0.729150490	-0.86675014	-0.6815977000
## 34	-0.9825548700	-0.977247730	-0.887202680	-0.96019878	-0.7068539700
## 35	-0.9901451400	-0.976183050	-0.893344930	-0.95672721	-0.7210076800
## 36	-0.9945620200	-0.987044360	-0.888859980	-0.95435237	-0.7387397100
## 37	-0.9930882700	-0.990700700	-0.888651410	-0.95151568	-0.7505039700
## 38	-0.9946296800	-0.995999470	-0.887021410	-0.95151568	-0.7567234400
## 39	-0.9735727900	-0.831619680	-0.945123310	-0.95210908	-0.8881398400
## 40	-0.9886514600	-0.834172510	-0.909885970	-0.95210908	-0.7847187200
## 41	-0.9892186700	-0.895251330	-0.893069070	-0.95185671	-0.7603445500
## 42	-0.9934162200	-0.974654960	-0.884277250	-0.95185671	-0.7551646100
## 43	-0.9942945200	-0.981949670	-0.883048460	-0.95406718	-0.7329922500
## 44	-0.9954679400	-0.987463040	-0.882191880	-0.95438956	-0.7329922500
## 45	-0.9946407000	-0.984232350	-0.882191880	-0.95341814	-0.7426082100
## 46	-0.9940811300	-0.988347350	-0.885803010	-0.95341814	-0.7480359100
## 47	-0.9952515000	-0.988271010	-0.885685320	-0.95364902	-0.7480359100
## 48	-0.9945046900	-0.992078710	-0.885685320	-0.95540150	-0.7567481700
## 49	-0.9955776400	-0.989107870	-0.887603920	-0.95600256	-0.7503479600
## 50	-0.9951672800	-0.988834140	-0.886810810	-0.95248937	-0.7503479600
## 51	-0.9930738200	-0.989173630	-0.886810810	-0.95248937	-0.7535786700
## 52	-0.9511682100	-0.802836380	-0.805127760	-0.91142884	-0.4560381600

## 53	-0.9926555100	-0.888909080	-0.854175900	-0.95495175	-0.6240574900
## 54	-0.9963092400	-0.944515960	-0.873037560	-0.95495175	-0.7128218600
## 55	-0.9951402500	-0.989828710	-0.883269750	-0.95478669	-0.7646032900
## 56	-0.9955176600	-0.994460090	-0.888446160	-0.95478669	-0.7699082300
## 57	-0.9945444900	-0.995157600	-0.888506980	-0.95478928	-0.7602256700
## 58	-0.9942484300	-0.984341510	-0.886909190	-0.95312683	-0.7593653600
## 59	-0.9935499900	-0.994250460	-0.886909190	-0.95312683	-0.7593653600
## 60	-0.9952203700	-0.993625820	-0.887098610	-0.95625161	-0.7545263600
## 61	-0.9953637400	-0.994355090	-0.887041580	-0.95625161	-0.7545263600
## 62	-0.9945251500	-0.995112600	-0.886518090	-0.95527648	-0.7569267900
## 63	-0.9946771500	-0.994202590	-0.886518090	-0.95527648	-0.7569267900
## 64	-0.9943657300	-0.992971260	-0.887292640	-0.95429691	-0.7574963300
## 65	-0.9301546300	-0.884780780	-0.624751190	-0.88229736	-0.4065699600
## 66	-0.9815491700	-0.857488320	-0.778554050	-0.92598189	-0.5232741900
## 67	-0.8163726100	-0.625598990	-0.682358590	-0.74219793	-0.6294429100
## 68	-0.7656499300	-0.669623080	-0.622402340	-0.74219793	-0.6294429100
## 69	-0.9309375300	-0.930375900	-0.622402340	-0.95274785	-0.6359053200
## 70	-0.7977898300	-0.660965950	-0.687602610	-0.83089889	-0.6485824400
## 71	-0.6885754300	-0.594377970	-0.487310000	-0.62851398	-0.4658304400
## 72	-0.7601085000	-0.783588290	-0.487310000	-0.62851398	-0.4658304400
## 73	-0.9115796600	-0.916740470	-0.762954450	-0.80909107	-0.6635484200
## 74	-0.9840537400	-0.963172100	-0.762954450	-0.95165715	-0.6954428500
## 75	-0.9893705700	-0.969856500	-0.795164100	-0.95165715	-0.7122335600
## 76	-0.9934036200	-0.980389010	-0.841278140	-0.95642916	-0.7407614000
## 77	-0.9952276800	-0.992154540	-0.862702120	-0.95535928	-0.7519238400
## 78	-0.9972082300	-0.995264940	-0.884578680	-0.95535928	-0.7593043000
## 79	-0.1524847700	-0.481025800	-0.498341930	-0.40900560	-0.2083963700
## 80	-0.1065440000	-0.421053660	-0.399042060	-0.44752477	-0.2083963700
## 81	-0.0630748160	-0.358472260	-0.399042060	-0.43408921	-0.1782762200
## 82	0.0003877810	-0.269310540	-0.417515540	-0.23368541	-0.1782762200
## 83	0.1096502500	-0.330104180	-0.461680990	-0.23368541	-0.2586299300
## 84	0.0166362220	-0.422175740	-0.503428250	-0.33509312	-0.2586299300
## 85	-0.1207335200	-0.364816400	-0.503428250	-0.38846854	-0.1484262800
## 86	-0.0836358890	-0.329053520	-0.539237330	-0.33972413	-0.1137514100
## 87	-0.1857702900	-0.464688580	-0.528386130	-0.47587563	-0.2221951900
## 88	-0.0871015730	-0.436942620	-0.527033040	-0.48347672	-0.1880610500
## 89	-0.1211859000	-0.403635470	-0.503487320	-0.44746442	-0.1416982300
## 90	-0.0843258460	-0.333833080	-0.503487320	-0.31742918	-0.1416982300
## 91	0.0424750470	-0.318709630	-0.421474940	-0.31742918	-0.2922427100
## 92	0.0230440880	-0.386680870	-0.378226890	-0.27550138	-0.2922427100
## 93	-0.0876059600	-0.390333050	-0.378226890	-0.27550138	-0.0295532940
## 94	-0.0601463180	-0.324732390	-0.421434180	-0.32459005	-0.0295532940
## 95	-0.0660427500	-0.313918530	-0.421434180	-0.32459005	-0.2719874100
## 96	-0.0580348820	-0.293619360	-0.465953870	-0.37814199	-0.2927511800
## 97	0.0381363880	-0.278557590	-0.555130750	-0.30662999	-0.2927511800
## 98	0.0140175310	-0.310106260	-0.555130750	-0.30662999	-0.4073666100
## 99	0.0308539980	-0.273257500	-0.419046300	-0.37984858	-0.2063837400
## 100	-0.0290207190	-0.346646070	-0.419046300	-0.42556337	-0.2245095900
## 101	-0.0949600380	-0.391582330	-0.430597090	-0.40085477	-0.2245095900
## 102	0.0101915560	-0.326699910	-0.398475080	-0.31288727	-0.1825218300

## 103	0.0065825910	-0.322886460	-0.398475080	-0.29242038	-0.1825218300
## 104	0.0412713750	-0.363579740	-0.519299090	-0.29242038	-0.3763456800
## 105	0.0273803020	-0.393674110	-0.504067720	-0.30604219	-0.3238756400
## 106	-0.0647076970	-0.403059210	-0.504067720	-0.43299321	-0.3238756400
## 107	-0.0372303590	-0.363344410	-0.445817880	-0.36720039	-0.0691651510
## 108	-0.0208252970	-0.365143620	-0.445817880	-0.35329739	-0.0691651510
## 109	0.0054487434	-0.345400190	-0.456620180	-0.35329739	-0.3151685800
## 110	0.0549568460	-0.309876080	-0.491987470	-0.26245398	-0.3203012400
## 111	0.0223414260	-0.312579530	-0.526643170	-0.26245398	-0.3203012400
## 112	-0.0068567683	-0.333980450	-0.724575830	-0.24552931	-0.2032038000
## 113	-0.0666225100	-0.355983950	-0.612082340	-0.39205191	-0.3702673500
## 114	-0.0644367240	-0.307714810	-0.551815350	-0.39205191	-0.2937966000
## 115	0.0104555920	-0.340395930	-0.503082060	-0.35842493	-0.2937966000
## 116	-0.0341512570	-0.386710240	-0.375066320	-0.35842493	-0.0227999400
## 117	-0.0962992280	-0.344473780	-0.375066320	-0.39419181	-0.0227999400
## 118	-0.1220041800	-0.355595410	-0.474885280	-0.47801665	-0.1144594600
## 119	-0.1551350900	-0.363975290	-0.474885280	-0.35987088	-0.3635781400
## 120	-0.1463850200	-0.354438520	-0.554232980	-0.35987088	-0.4013626500
## 121	-0.1672990900	-0.361443130	-0.480758210	-0.39335370	-0.4165112600
## 122	-0.1292984200	-0.266604660	-0.480758210	-0.42388005	-0.3392742300
## 123	-0.0585343590	-0.200658550	-0.442134720	-0.28704391	-0.3170613200
## 124	-0.0487271200	-0.322002340	-0.442134720	-0.28704391	-0.3170613200
## 125	-0.1100142500	-0.351952940	-0.529952250	-0.30836262	-0.3369287900
## 126	-0.3399171300	-0.405919730	-0.525495070	-0.62512663	-0.1511967700
## 127	-0.2021699900	-0.363469550	-0.525495070	-0.45071031	-0.1511967700
## 128	-0.1916012500	-0.292765780	-0.720894840	-0.45071031	-0.2458964200
## 129	-0.2436996200	-0.288019630	-0.497858220	-0.45704417	-0.2458964200
## 130	-0.2166469500	-0.231544470	-0.448156640	-0.52766600	-0.2324664200
## 131	-0.1251240100	-0.123840070	-0.409216630	-0.29305858	-0.2324664200
## 132	-0.1004625000	-0.158952960	-0.409216630	-0.29305858	-0.2556345200
## 133	-0.2623554400	-0.174836030	-0.431622720	-0.54836273	-0.2556345200
## 134	-0.2785981500	-0.282145680	-0.538453090	-0.44912996	-0.2442462300
## 135	-0.0852521310	-0.186966780	-0.652745090	-0.13080261	-0.0253641340
## 136	-0.1097042400	-0.200611590	-0.620502270	-0.22113840	-0.2595960300
## 137	-0.0156444020	-0.145496070	-0.611398920	-0.19200914	-0.0005718645
## 138	0.0168028640	0.006465708	-0.493633710	-0.19200914	-0.0005718645
## 139	0.0112805740	0.051248023	-0.493633710	-0.09266469	-0.1599728200
## 140	-0.0002242084	-0.139838250	-0.523726780	-0.09266469	-0.1791669200
## 141	-0.1284688100	-0.186734000	-0.400496050	-0.39271465	-0.1681218900
## 142	-0.1534956000	-0.141072790	-0.400496050	-0.58510918	-0.1539106800
## 143	-0.1876562000	-0.216022550	-0.771182360	-0.44974415	-0.0328823150
## 144	-0.1564182700	-0.265952810	-0.771182360	-0.44974415	-0.0328823150
## 145	-0.0865646110	-0.091492441	-0.377212970	-0.34274457	-0.2631020000
## 146	0.0347466380	-0.112448850	-0.377212970	-0.34274457	-0.2573351500
## 147	-0.1266865700	-0.198114240	-0.381430670	-0.46202778	-0.2573351500
## 148	-0.1388740500	-0.232600800	-0.463171660	-0.40756286	-0.2904947400
## 149	-0.1489906500	-0.292261700	-0.370051510	-0.40756286	-0.2730187900
## 150	-0.1905022200	-0.261841770	-0.370051510	-0.62868176	-0.2716268600
## 151	-0.0613739870	-0.574539880	-0.487137850	-0.30207487	-0.4743699400
## 152	-0.0685176950	-0.567577000	-0.560027830	-0.35874565	-0.3735618600

## 153	-0.0721678320	-0.467755270	-0.043060724	-0.45070023	-0.3735618600
## 154	-0.0268824500	-0.405803980	-0.043060724	-0.24992202	-0.3311077200
## 155	-0.0281538690	-0.485044020	-0.578689450	-0.17317766	-0.3311077200
## 156	-0.0958381400	-0.472152060	-0.543887120	-0.17317766	-0.3187797600
## 157	-0.0914256770	-0.540048110	-0.543887120	-0.29562025	-0.3187797600
## 158	-0.0470544940	-0.602521630	-0.828280870	-0.29562025	-0.3270703800
## 159	-0.0327722120	-0.624221760	-0.511439780	-0.42646831	-0.4170199200
## 160	-0.0865973950	-0.606423990	-0.444996120	-0.38840225	-0.5042679000
## 161	0.0238939950	-0.330087630	-0.102529460	-0.38840225	-0.3094618200
## 162	0.0706764940	-0.398283220	-0.102529460	-0.52177648	-0.3094618200
## 163	-0.1267314900	-0.568195840	-0.473219340	-0.54369825	-0.3736162400
## 164	-0.1978208200	-0.536884340	-0.473219340	-0.48186007	-0.3736162400
## 165	-0.1322379000	-0.602051970	-0.489055280	-0.41756767	-0.3662923000
## 166	-0.0548474910	-0.604218380	-0.777539380	-0.39834643	-0.3551266000
## 167	-0.1024094900	-0.686679850	-0.666579230	-0.39834643	-0.3551266000
## 168	-0.0238195730	-0.624753860	-0.342718290	-0.54222605	-0.4396999700
## 169	-0.0363471500	-0.609105890	-0.333057870	-0.44135979	-0.4277482700
## 170	0.0133302920	-0.425552620	0.005557382	-0.44135979	-0.3479317000
## 171	0.0203126710	-0.428254670	0.005557382	-0.42799627	-0.3479317000
## 172	-0.1386124900	-0.543054070	-0.680996640	-0.42799627	-0.3933262900
## 173	-0.2706631000	-0.549559240	-0.185210850	-0.50786638	-0.3442403800
## 174	-0.1624046500	-0.557835860	-0.185210850	-0.44036005	-0.3442403800
## 175	-0.0494926760	-0.587038490	-0.873372470	-0.44036005	-0.3431502900
## 176	-0.0458571570	-0.609043580	-0.595297330	-0.44841921	-0.3431502900
## 177	-0.9392979000	-0.896846210	-0.836374890	-0.88827729	-0.7550638500

##	NA	NA	NA	NA	NA	NA
## 1	0.847307960	0.91489534	0.83084054	-0.967184280	-0.9995783	-0.9993543
## 2	0.833721060	0.90810964	0.82893499	-0.980613100	-0.9997558	-0.9998973
## 3	0.833721060	0.90575280	0.82893499	-0.976280290	-0.9996934	-0.9998283
## 4	0.834163960	0.90575280	0.82663382	-0.982295670	-0.9997929	-0.9999023
## 5	0.839090610	0.91118450	0.82137436	-0.985262010	-0.9998495	-0.9999519
## 6	0.839808040	0.91118450	0.81882667	-0.985214270	-0.9998740	-0.9999466
## 7	0.839232160	0.90706202	0.81882667	-0.984483570	-0.9999157	-0.9999021
## 8	0.839232160	0.90706202	0.82554291	-0.983166690	-0.9999198	-0.9998876
## 9	0.842403480	0.90784028	0.82171549	-0.988456690	-0.9999416	-0.9999461
## 10	0.836739430	0.90737892	0.80670461	-0.983648190	-0.9998594	-0.9998863
## 11	0.836739430	0.90737892	0.80670461	-0.984498600	-0.9998611	-0.9998965
## 12	0.841874410	0.91406722	0.82586725	-0.994010250	-0.9999670	-0.9999790
## 13	0.843589030	0.91406722	0.82856541	-0.995970130	-0.9999817	-0.9999881
## 14	0.846238340	0.91496550	0.82856541	-0.997447980	-0.9999936	-0.9999900
## 15	0.825064250	0.93234002	0.68601078	-0.833608230	-0.9995438	-0.9889871
## 16	0.845353540	0.91941571	0.75977230	-0.927060620	-0.9998330	-0.9975997
## 17	0.845353540	0.91198318	0.80165943	-0.971575750	-0.9997970	-0.9996629
## 18	0.843044510	0.91120310	0.81689110	-0.980373090	-0.9997852	-0.9999203
## 19	0.842770190	0.91120310	0.83632119	-0.987618610	-0.9999449	-0.9999604
## 20	0.842770190	0.91329769	0.83294290	-0.992828870	-0.9999837	-0.9999735
## 21	0.845124150	0.91452654	0.83216678	-0.996795320	-0.9999903	-0.9999907
## 22	0.844218380	0.91430311	0.83191838	-0.996915660	-0.9999922	-0.9999910
## 23	0.844218380	0.91430311	0.82960570	-0.997480460	-0.9999954	-0.9999905
## 24	0.846400910	0.91631244	0.82674198	-0.997282140	-0.9999963	-0.9999893

## 25	0.843871110	0.91422722	0.82674198	-0.995832960	-0.9999829	-0.9999901
## 26	0.841989680	0.91422722	0.82839042	-0.995422310	-0.9999702	-0.9999900
## 27	0.841989680	0.91463224	0.82789793	-0.995999760	-0.9999708	-0.9999904
## 28	0.824931370	0.86506491	0.75706536	-0.865476590	-0.9994045	-0.9920710
## 29	0.834266790	0.87930115	0.85762233	-0.886725600	-0.9996996	-0.9949675
## 30	0.839989480	0.89185775	0.84644320	-0.936281360	-0.9998960	-0.9982434
## 31	0.569016850	0.65672967	0.45807745	-0.668453410	-0.9666105	-0.8743615
## 32	0.569016850	0.65672967	0.45807745	-0.580387030	-0.9637318	-0.8691062
## 33	0.838134100	0.85411552	0.59554196	-0.851359890	-0.9970260	-0.9933674
## 34	0.838134100	0.87370085	0.85436239	-0.932023500	-0.9998430	-0.9986569
## 35	0.840774140	0.90485372	0.84121739	-0.959897920	-0.9998722	-0.9996714
## 36	0.841744230	0.91157870	0.83012180	-0.982507660	-0.9999511	-0.9999212
## 37	0.845128740	0.91218875	0.82889477	-0.993567800	-0.9999919	-0.9999572
## 38	0.845523500	0.91294464	0.82766253	-0.996641950	-0.9999962	-0.9999681
## 39	0.744723600	0.89203114	0.53805957	-0.629434620	-0.9739796	-0.9989774
## 40	0.765240830	0.90667361	0.61688830	-0.788442210	-0.9890423	-0.9997186
## 41	0.801002120	0.90709719	0.72701143	-0.919182400	-0.9975776	-0.9998356
## 42	0.828909000	0.91061673	0.81110596	-0.981509400	-0.9997734	-0.9999617
## 43	0.841813160	0.91311774	0.83253861	-0.985043340	-0.9999478	-0.9999724
## 44	0.850282750	0.91311774	0.83688493	-0.980575500	-0.9999317	-0.9999791
## 45	0.848176270	0.91368827	0.82867065	-0.987798530	-0.9999597	-0.9999691
## 46	0.847249020	0.91368827	0.82462861	-0.993489950	-0.9999912	-0.9999655
## 47	0.847209930	0.91324227	0.82462861	-0.994812630	-0.9999967	-0.9999753
## 48	0.845679950	0.91315922	0.82409607	-0.995418270	-0.9999964	-0.9999742
## 49	0.845679950	0.91315922	0.82409607	-0.995146420	-0.9999964	-0.9999799
## 50	0.846384930	0.91367878	0.82442470	-0.994522400	-0.9999961	-0.9999746
## 51	0.843936700	0.90886150	0.82203502	-0.993591280	-0.9999954	-0.9999588
## 52	0.826132940	0.83376315	0.88012796	-0.791877580	-0.9967593	-0.9970956
## 53	0.851912670	0.91018597	0.83429558	-0.919909750	-0.9989320	-0.9999519
## 54	0.847593690	0.91343303	0.81378971	-0.974489240	-0.9998088	-0.9999827
## 55	0.846335400	0.91343303	0.81378971	-0.984527610	-0.9999825	-0.9999749
## 56	0.846209480	0.91395142	0.81473330	-0.986312830	-0.9999965	-0.9999718
## 57	0.845000890	0.91428933	0.82013091	-0.988830460	-0.9999938	-0.9999740
## 58	0.845000890	0.91428933	0.82196065	-0.992815170	-0.9999954	-0.9999693
## 59	0.846109210	0.91401564	0.82452357	-0.995936490	-0.9999979	-0.9999664
## 60	0.846882340	0.91401564	0.82452357	-0.996829710	-0.9999990	-0.9999800
## 61	0.847064490	0.91445712	0.82766661	-0.997221390	-0.9999998	-0.9999809
## 62	0.845137040	0.91445712	0.82766661	-0.996709920	-0.9999980	-0.9999763
## 63	0.845137040	0.91329499	0.82658666	-0.996250210	-0.9999966	-0.9999739
## 64	0.846484640	0.91329499	0.82658666	-0.996124970	-0.9999984	-0.9999693
## 65	0.889760900	0.84872600	0.94696288	-0.589056310	-0.9601892	-0.9940473
## 66	0.869746830	0.91309136	0.88745278	-0.746770820	-0.9848286	-0.9992007
## 67	-0.033978851	0.86892587	0.37734712	-0.612150130	-0.8472528	-0.9728988
## 68	-0.033978851	0.83244238	0.37734712	-0.565371820	-0.8294499	-0.9671315
## 69	0.718907410	0.83244238	0.80572464	-0.798407710	-0.9752057	-0.9921354
## 70	0.001935021	0.78104024	0.45160555	-0.704045740	-0.9380647	-0.9763032
## 71	-0.532611300	0.74075538	0.45160555	-0.442638780	-0.5872657	-0.9448370
## 72	-0.532611300	0.74075538	0.52001903	-0.531198610	-0.6186887	-0.9565700
## 73	0.554459490	0.80125649	0.72289027	-0.744680240	-0.9561139	-0.9894868
## 74	0.888443260	0.89623078	0.84844251	-0.809364740	-0.9756903	-0.9992740

## 75	0.865935630	0.90100810	0.84202545	-0.887456010	-0.9904194	-0.9997090
## 76	0.848029830	0.90993843	0.82875951	-0.955720820	-0.9978950	-0.9999224
## 77	0.841004360	0.91284484	0.82479805	-0.987898920	-0.9997991	-0.9999747
## 78	0.839073990	0.91421990	0.82479805	-0.991808300	-0.9999409	-0.9999820
## 79	0.268551030	0.45388860	0.43995890	-0.040727264	-0.6602420	-0.6325089
## 80	0.292814970	0.45388860	0.42083315	-0.131749620	-0.8257512	-0.5806440
## 81	0.448093240	0.41552191	0.28386169	-0.071395993	-0.8229525	-0.5603150
## 82	0.221752610	0.41552191	0.28386169	-0.012224244	-0.8035159	-0.4631360
## 83	0.221752610	0.43795034	0.32971902	-0.009014088	-0.8223336	-0.3654732
## 84	0.381858230	0.45776979	0.31201164	-0.145428440	-0.8904789	-0.4755986
## 85	0.409977930	0.47944136	0.31201164	-0.189477650	-0.8876273	-0.6020943
## 86	0.363476370	0.52292538	0.32499810	-0.137446460	-0.8726909	-0.5617718
## 87	0.292404610	0.58087297	0.40165487	-0.215052100	-0.8405364	-0.6538867
## 88	0.292404610	0.53684225	0.20261489	-0.178444890	-0.8693824	-0.5900637
## 89	0.376317190	0.53684225	0.20261489	-0.191358860	-0.8897032	-0.5906594
## 90	0.376317190	0.50990221	0.31858713	-0.156442950	-0.8818864	-0.5675400
## 91	0.393360770	0.40156581	0.31858713	-0.069232292	-0.8547766	-0.4685002
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## 98	0.453169480	0.49006155	0.16851427	-0.112884160	-0.8867840	-0.4858744
## 99	0.436835960	0.39304486	0.23161028	-0.026701717	-0.8339675	-0.4768437
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## 122	0.415073290	0.55422159	0.22519610	-0.149691920	-0.8756954	-0.6125712
## 123	0.424170460	0.48572827	0.22519610	-0.056643860	-0.8357906	-0.5608115
## 124	0.419459860	0.48572827	0.26809391	-0.089989782	-0.8369981	-0.5342592

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## 159	0.691757600	0.35913089	0.50052868	-0.241019460	-0.9076467	-0.5187026
## 160	0.691757600	0.35913089	0.42036629	-0.290323260	-0.9244253	-0.5243324
## 161	0.648039300	0.24903680	0.20528147	0.007858990	-0.7268420	-0.4042636
## 162	0.582789360	0.24903680	0.20528147	0.017894448	-0.7212284	-0.4184028
## 163	0.582789360	0.41196144	0.41959138	-0.208032360	-0.8688693	-0.6136773
## 164	0.588112070	0.41196144	0.41959138	-0.242727350	-0.8722804	-0.6460433
## 165	0.553076520	0.45767216	0.62593188	-0.231243800	-0.8797141	-0.6031707
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## 169	0.780282720	0.46993584	0.44731933	-0.208141790	-0.8864810	-0.5277995
## 170	0.780282720	0.32585094	0.32250771	0.013316809	-0.6789291	-0.4413240
## 171	0.467712900	0.32585094	0.32250771	0.033247319	-0.6690244	-0.4721262
## 172	0.467712900	0.52134398	0.51044037	-0.276132570	-0.9146620	-0.6321996
## 173	0.540858370	0.40733398	0.51044037	-0.329679850	-0.8867130	-0.7086624
## 174	0.490528330	0.40733398	0.53262456	-0.210750160	-0.8377481	-0.6172607

## 175	0.490528330	0.49945229	0.53262456	-0.184112090	-0.8854132	-0.5393272
## 176	0.570622580	0.39957331	0.51506129	-0.228500400	-0.9130816	-0.5531602
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## 300	-0.9998216	-0.97235357	-0.995144320	-0.9868311	-0.260942670	-1.0000000
## 430	-0.9998773	-0.99103127	-0.994165320	-0.9945820	-0.930551140	-0.8266180
## 560	-0.9998443	-0.98981320	-0.993336690	-0.9911546	-0.628860990	-0.4678075
## 660	-0.9997780	-0.98533726	-0.992994030	-0.9837056	-0.363801070	-0.3705078
## 730	-0.9996824	-0.98722605	-0.991910060	-0.9824202	-0.373807050	-0.5702531
## 800	-0.9996764	-0.98873353	-0.989527790	-0.9748798	-0.255472230	-0.4030979
## 950	-0.9998449	-0.98987124	-0.995238950	-0.9893706	-0.323098590	-0.3135635
## 1050	-0.9997316	-0.98613552	-0.991310210	-0.9884861	-0.263317540	-0.2727951
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## 1390	-0.9999752	-0.99375478	-0.996930750	-0.9960049	-0.629393300	-0.6467300
## 1460	-0.9999747	-0.99674239	-0.997702900	-0.9955489	-0.612105680	-0.5658446
## 1560	-0.9697990	-0.98468344	-0.948134800	-0.9251149	0.131630190	0.5266830
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## 1810	-0.9997506	-0.98989484	-0.996690880	-0.9904849	-0.035567454	-0.6790689
## 1980	-0.9997926	-0.98966075	-0.997931280	-0.9965139	-0.307469900	-0.9787115
## 2020	-0.9998881	-0.99548589	-0.996770850	-0.9949056	-0.654365360	-0.8910652
## 2170	-0.9999695	-0.99751343	-0.997676510	-0.9980508	-0.744013670	-0.8174888
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## 84	0.185961880	-0.268892910	0.14230884	0.4640891000	-0.359309820
## 85	0.340294890	-0.304829840	0.22231832	0.3403967000	-0.267527410
## 86	0.389780340	-0.259090060	0.15507810	0.4338025400	-0.336123530
## 87	0.242617600	-0.462386950	0.25938451	0.4251776900	-0.567657590
## 88	0.358188900	-0.276735000	0.18608549	0.3784436800	-0.281027720
## 89	0.378567620	-0.325276690	0.26148103	0.2625072500	-0.199971850
## 90	0.300669160	-0.479004900	0.42531739	0.0710285600	-0.120792140

## 91	0.164140800	-0.525566810	0.51767974	-0.1263140900	0.109125990
## 92	0.236232460	-0.475683040	0.47392161	-0.0969925960	0.086009213
## 93	0.343062310	-0.448448880	0.42091390	0.0078189624	-0.071294856
## 94	0.438677910	-0.468282120	0.41596762	0.0447299610	-0.085877242
## 95	0.375613410	-0.499844210	0.42797355	0.0707978370	-0.126077110
## 96	0.215057530	-0.476402310	0.44877559	0.0103345620	-0.031009418
## 97	0.230621640	-0.353397140	0.31214598	0.2035555700	-0.182112300
## 98	0.354977080	-0.361205630	0.28902644	0.2580758700	-0.309016600
## 99	0.251709700	-0.567553110	0.43237347	0.1308801900	-0.308874280
## 100	0.300307820	-0.511000210	0.39585102	0.1619219100	-0.233555690
## 101	0.355327740	-0.167403130	0.19193903	0.1850354800	0.036471683
## 102	0.427183540	-0.042091434	0.11449877	0.2289139000	0.084040401
## 103	0.333209570	-0.155561680	0.13567114	0.2720598800	-0.072742619
## 104	0.197042560	-0.313915100	0.28838963	0.1785106000	-0.156700940
## 105	0.258613790	-0.275509520	0.27646263	0.2018800000	-0.170076760
## 106	0.306710430	-0.332090310	0.33712298	0.0636428820	0.039909088
## 107	0.387833070	-0.357356420	0.38821802	0.0215058300	0.053796472
## 108	0.472370170	-0.281954660	0.17059151	0.4407381800	-0.347159830
## 109	0.345295860	-0.367766560	0.29314761	0.2437302300	-0.239527490
## 110	0.200931700	-0.408983050	0.39038324	0.0811614940	-0.116165810
## 111	0.317410960	-0.470336540	0.46085926	-0.0181943530	-0.056148304
## 112	0.286356460	-0.466511090	0.28115000	0.3317210200	-0.541149120
## 113	0.422103070	-0.420698010	0.24527048	0.3761933400	-0.521502640
## 114	0.401881620	-0.469249730	0.34447571	0.2283338800	-0.355095390
## 115	0.326082200	-0.488804690	0.45536431	-0.0102447290	-0.048864545
## 116	0.411706300	-0.375266320	0.31277598	0.1854258000	-0.186417330
## 117	0.367768390	-0.365436380	0.30175841	0.2260057000	-0.273916970
## 118	0.303880980	-0.380859560	0.38055485	0.0401766720	-0.047949916
## 119	0.360136170	-0.313849710	0.23311309	0.2908523100	-0.249219980
## 120	0.450103350	-0.301768940	0.17773980	0.4374868000	-0.422935470
## 121	0.404599950	-0.318984240	0.22419267	0.3347567500	-0.275051630
## 122	0.299986450	-0.268003820	0.10570660	0.6039221700	-0.595725840
## 123	0.408515170	-0.364063080	0.16282745	0.5564622800	-0.671581480
## 124	0.558505680	-0.443861790	0.28245485	0.3049491400	-0.382235650
## 125	0.432678840	-0.416741240	0.33826383	0.1845736800	-0.229671010
## 126	0.348877690	-0.248175620	0.29488048	0.0969923540	-0.129699540
## 127	0.251171110	-0.191792690	0.23208940	0.2159258800	-0.193511480
## 128	0.314199150	-0.588862950	0.47284365	-0.0725389040	-0.170171310
## 129	0.372401590	-0.498483650	0.32469543	0.1871953400	-0.372646930
## 130	0.358714780	-0.400158040	0.27420662	0.2258664800	-0.359991660
## 131	0.368461300	-0.435698070	0.35700375	-0.0040025488	-0.200358670
## 132	0.232482040	-0.295313580	0.17781094	0.2349749100	-0.381890980
## 133	0.331241280	-0.270414540	0.13832919	0.3367807900	-0.509073410
## 134	0.396229050	-0.435338520	0.34487227	0.0472809410	-0.250143220
## 135	0.534515380	-0.571622830	0.43637380	0.0534505060	-0.307870460
## 136	0.647477090	-0.487555730	0.38542124	0.0263083650	-0.214704970
## 137	0.584886490	-0.638639630	0.55977574	-0.2870913700	0.069642209
## 138	0.376139290	-0.535383420	0.42768655	-0.0999235830	-0.078959694
## 139	0.401408820	-0.417716330	0.32662341	-0.0232417660	-0.097809597
## 140	0.367768390	-0.748250940	0.63836971	-0.2421912000	-0.019323682

## 141	0.249906550	-0.626717710	0.46910607	0.0022419661	-0.195246480
## 142	0.507219190	-0.291563990	0.20750063	0.1664407200	-0.338983290
## 143	0.334835470	-0.403705220	0.27600970	0.2671936200	-0.528100840
## 144	0.541081170	-0.398194340	0.28530644	0.2190297300	-0.461997790
## 145	0.341797750	-0.618684720	0.49755620	-0.0325628090	-0.273111960
## 146	0.215144390	-0.710458150	0.60669083	-0.1685788500	-0.173019960
## 147	0.432342630	-0.464596960	0.33258331	0.0580608070	-0.184802070
## 148	0.310987330	-0.465304050	0.35634193	-0.0360378740	-0.065312005
## 149	0.166669910	-0.497120880	0.41472163	-0.1054845900	-0.059737173
## 150	0.385931580	-0.492340280	0.37986073	0.0594579980	-0.311948760
## 151	0.007833277	-0.480523900	0.33606210	0.1013835500	-0.225921460
## 152	0.123370180	-0.322098520	0.15028105	0.3055636300	-0.220440820
## 153	-0.068882724	-0.500899930	0.30281541	0.1822175900	-0.311012120
## 154	0.215144390	-0.640622380	0.47023106	-0.0400698340	-0.141153770
## 155	0.495913990	-0.605203290	0.41021115	0.0895522160	-0.219361080
## 156	0.392334520	-0.453529460	0.22157925	0.3638699400	-0.440295630
## 157	0.438520630	-0.363860110	0.15786803	0.3651911200	-0.399820920
## 158	0.418832090	-0.473999640	0.31417378	0.1700852500	-0.332891320
## 159	0.141557210	-0.393151920	0.18928189	0.3757291400	-0.428148830
## 160	0.260278690	-0.381607650	0.22643501	0.2718389600	-0.307071060
## 161	0.151875370	-0.424210240	0.24873056	0.1689821800	-0.236933990
## 162	0.235772590	-0.377450870	0.22642573	0.1187313700	-0.164519220
## 163	0.223245820	-0.525288990	0.37277329	0.0388546260	-0.170694050
## 164	0.261825610	-0.605404270	0.44498566	0.0050380832	-0.183199110
## 165	0.431186780	-0.663383200	0.56137820	-0.2025433500	-0.056008785
## 166	0.315319630	-0.484501820	0.30469118	0.1466357300	-0.263159160
## 167	0.236030200	-0.517621940	0.34887541	0.1078854900	-0.174460850
## 168	0.067751090	-0.536531920	0.37216343	0.0593264560	-0.219395220
## 169	0.187853460	-0.595920430	0.47460726	-0.0568970220	-0.143134180
## 170	0.144689220	-0.534266770	0.33742078	0.1517958600	-0.284874260
## 171	0.197067640	-0.546161830	0.36435790	0.0773570480	-0.209092120
## 172	0.273933440	-0.667870340	0.56540747	-0.1514287600	-0.088667917
## 173	0.228666240	-0.533928890	0.38565283	0.0502286720	-0.190528750
## 174	0.362037660	-0.596426110	0.36486110	0.2390723600	-0.411994320
## 175	0.367803670	-0.545789330	0.32493379	0.3175392300	-0.542337320
## 176	0.305445870	-0.445196780	0.26720720	0.2910760800	-0.475912890
## 177	-0.666956390	0.495035120	-0.79160289	0.8689451500	-0.069323504
##	NA	NA	NA	NA	NA
## 1	1.0000000000	-0.972971390	0.316654510	0.375726410	0.7233991900
## 2	-0.0470318090	-0.064949068	0.117686610	0.081691287	0.0423640400
## 3	0.0323115580	-0.127879260	0.114924260	0.125398290	0.1120920500
## 4	0.0445532340	-0.125193310	0.078321232	0.177027580	0.1934016500
## 5	-0.1632209000	0.186459650	-0.434916170	0.650136770	0.2399500700
## 6	-0.1196924300	0.150617030	-0.380937330	0.573308540	0.1037746400
## 7	-0.0468875550	-0.054896524	0.063395367	0.240145870	0.0175826610
## 8	-0.0858852630	-0.013247702	-0.053852950	0.366075450	0.1657064100
## 9	-0.1710221100	0.040170943	0.229182820	-0.027345769	0.1813357600
## 10	-0.2040347800	0.075507804	0.136991990	0.210594290	-0.0822568230
## 11	-0.1853922400	0.077083572	0.062205217	0.298176460	-0.0701909850
## 12	0.0059400482	-0.039328794	0.124843630	0.138644560	0.2344542300

## 13	0.1389326100	-0.172233230	0.304293970	-0.145814260	0.3602199000
## 14	0.1996714300	-0.207251030	0.386044200	-0.115930660	0.2615177000
## 15	0.0655366580	-0.258422490	0.193586330	0.237530960	-0.0125142720
## 16	-0.0918231630	0.040956067	-0.072000061	0.115801310	0.0460112920
## 17	-0.2103694200	0.124735740	-0.093569267	0.148133470	0.1862910300
## 18	-0.1698509800	0.088359656	-0.161130800	0.374685300	0.2057262500
## 19	-0.1810636300	0.096079629	-0.049897808	0.184759600	0.1784831500
## 20	0.0073890131	-0.113453640	0.201698470	-0.004428769	0.1456562500
## 21	0.1700668200	-0.171094020	0.290009410	-0.145300660	0.4697768300
## 22	0.2150033600	-0.216748930	0.448786840	-0.307667780	0.5498062400
## 23	0.1463022900	-0.144025430	0.246490060	-0.020293652	0.4453434700
## 24	0.1542391200	-0.129970890	0.241788230	-0.103947110	0.6426101700
## 25	0.1445524300	-0.080118956	0.187668220	-0.123373340	0.7424880500
## 26	0.1241839900	-0.048459105	0.092720868	0.047553244	0.7328511700
## 27	0.2799874600	-0.164788430	0.197222890	0.057836815	0.5825762900
## 28	-0.4086606400	0.280127750	0.003717856	-0.114275050	-0.1336149500
## 29	-0.2596698600	0.155927700	-0.054887477	0.063705374	0.4033406300
## 30	0.0455756850	-0.119512200	0.268225120	-0.255044880	0.0591736600
## 31	-0.7997929100	0.658900460	-0.460237670	0.339319290	-0.8031181700
## 32	-0.6901207400	0.517910360	-0.277261600	0.234407300	-0.6326472500
## 33	-0.1719744300	0.041519868	0.225715110	-0.182117130	-0.1736715000
## 34	-0.0592009810	-0.084768539	0.302304460	-0.189324610	0.1587814500
## 35	0.1288018400	-0.107542720	0.243867280	-0.378765280	0.2640592100
## 36	0.1667742700	-0.110296600	0.059409527	-0.024308777	0.2411555500
## 37	0.1265625200	-0.055531757	0.046630480	0.097884313	0.2465073400
## 38	0.0268796170	0.037886066	0.089424404	0.056578389	0.3934470100
## 39	-0.0254631690	-0.077475399	0.114779170	0.038429680	-0.2069566600
## 40	-0.1628609700	0.132221330	-0.079319091	0.039058154	-0.1645525000
## 41	-0.1028369900	0.056837115	0.010875074	0.006716147	-0.0246670590
## 42	0.1561355600	-0.104174570	0.266244070	-0.233500800	0.1176035900
## 43	0.2171422100	-0.148990730	0.248332800	-0.160777890	0.0841678180
## 44	0.1143969300	-0.015729686	-0.054788957	0.118043120	0.2982075700
## 45	0.0133228650	0.021878410	0.031119714	-0.003832468	0.3192744600
## 46	0.1008612600	-0.110932540	0.262061500	-0.123957150	0.3148107300
## 47	0.1451615400	-0.107315690	0.034380194	0.248404490	0.3278837800
## 48	0.0161529200	0.041468027	-0.144161760	0.264484840	0.1020982100
## 49	0.0426656470	0.021735864	0.057744568	-0.066759218	0.2572481000
## 50	0.0951390520	0.031616380	-0.162557540	0.167451760	0.3426707400
## 51	0.0224549400	0.044878873	-0.209201550	0.331511860	0.1658671700
## 52	-0.5243985800	0.526520920	-0.431197520	0.362640410	-0.5247967100
## 53	0.0981378600	-0.128814140	0.040503424	0.196634420	-0.1945870700
## 54	0.1918029700	-0.175185970	0.139221010	0.057553502	0.0661549230
## 55	0.0088913876	-0.097770771	0.180774740	0.060732003	0.1480252600
## 56	-0.0667394650	-0.027421226	0.183970170	-0.010901646	0.3484609200
## 57	0.0301135450	-0.144738330	0.270954800	0.054683970	0.3091047800
## 58	0.0378828760	-0.076040032	0.039529017	0.243131370	0.1499189500
## 59	-0.0161941330	-0.003906293	-0.139759180	0.366312320	0.4101527700
## 60	0.0704130910	-0.120859230	0.018991945	0.275833400	0.4272522300
## 61	0.0511751760	-0.049352462	0.034536015	0.075228798	0.3864985000
## 62	-0.0162774300	0.006778372	-0.110332230	0.311549660	0.3808663800

## 63	0.1372344200	-0.222272200	0.202226630	0.176634760	0.2461179200
## 64	-0.0093156390	-0.034178590	0.061987757	0.126959220	0.3074057200
## 65	0.0053962989	0.094128802	-0.214610380	0.112963960	-0.0833655490
## 66	-0.1772341100	0.189769140	-0.271915060	0.234794460	-0.0760458530
## 67	-0.5239511000	0.490608910	-0.348035290	0.154536520	-0.4159947300
## 68	-0.4876134500	0.445629420	-0.295493890	0.122618950	-0.3989683500
## 69	-0.2585540300	0.201800310	-0.118061350	0.073429053	-0.1886999900
## 70	-0.1626219100	0.173282980	-0.184690760	0.182411470	-0.4941057600
## 71	-0.2283909200	0.232632670	0.059361673	-0.128277470	-0.3706536900
## 72	-0.2544823200	0.257318540	0.089681257	-0.142683380	-0.2199762500
## 73	-0.4317781900	0.306886680	-0.030597378	0.060928718	-0.4473804200
## 74	-0.1042937400	0.119442630	0.089930695	-0.320953350	-0.0223194270
## 75	-0.0808008660	0.077731281	0.274652830	-0.531425530	0.2357314700
## 76	0.1218521200	-0.079979646	0.124791390	-0.194614500	0.3283127300
## 77	0.1732526700	-0.078851724	0.103660270	-0.008242749	0.2948211300
## 78	0.1450336400	-0.028333042	0.220215960	-0.017427241	0.4007228900
## 79	-0.5151807800	0.510638230	-0.375723870	0.202351270	-0.0224238410
## 80	-0.4651137800	0.461711950	-0.388177670	0.302660760	0.0313224030
## 81	-0.2609378000	0.246592530	-0.201314980	0.263125980	-0.0236322770
## 82	-0.2282215900	0.195290210	0.043596166	0.016330567	-0.0351217890
## 83	-0.2648452500	0.252758190	-0.068664096	0.071030981	-0.2310023200
## 84	-0.2534003900	0.285430370	-0.265250290	0.262391610	-0.2972543100
## 85	-0.2878322100	0.344318070	-0.387937670	0.377269020	-0.2529340400
## 86	-0.1207479100	0.125914170	-0.028692301	0.076916450	-0.1974602000
## 87	-0.4571042000	0.463008970	-0.418192570	0.337561480	-0.3262670400
## 88	-0.3603807000	0.377389440	-0.444217410	0.477243260	-0.1190789200
## 89	-0.1615702700	0.124971800	-0.060667895	0.179841990	0.0059524414
## 90	-0.2660028300	0.277499780	-0.197515590	0.222042830	-0.0536999780
## 91	-0.3445042600	0.394515590	-0.478770680	0.506915290	-0.0506480040
## 92	-0.3156798700	0.379156460	-0.443869250	0.425537980	-0.0405175100
## 93	-0.4181897000	0.517175290	-0.665712070	0.597383190	-0.0921392290
## 94	-0.3832660300	0.426849060	-0.405173120	0.331216340	-0.0650445600
## 95	-0.3541287400	0.364517270	-0.215752250	0.163274000	-0.0690566180
## 96	-0.3057404900	0.367103360	-0.352145090	0.367345240	-0.0495741470
## 97	-0.2738156000	0.329615950	-0.297769050	0.313234630	-0.2061373800
## 98	-0.2660190900	0.257058560	-0.074158462	0.046850359	-0.3637709000
## 99	-0.3027417100	0.268808830	-0.079079176	0.077875235	-0.1298425100
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## 101	-0.3814874600	0.474423450	-0.577511230	0.552575040	-0.1085412600
## 102	-0.1190635800	0.222899800	-0.263081210	0.319201360	0.0460808910
## 103	-0.1692714100	0.258303180	-0.301060340	0.346182930	0.0140391480
## 104	-0.2811007800	0.311646010	-0.247055910	0.280026630	-0.4025212800
## 105	-0.1765390700	0.175850720	-0.065785980	0.147127860	-0.2745457200
## 106	-0.2352346200	0.249678620	-0.272231800	0.373828280	-0.0224353130
## 107	-0.1717455100	0.180918950	-0.168473130	0.303697410	0.0264824400
## 108	-0.1511577100	0.108897980	-0.005512095	0.181637170	0.0317944550
## 109	-0.3362494400	0.343350410	-0.320469920	0.378749360	0.0218591020
## 110	-0.4204592700	0.470942900	-0.475115660	0.435316720	-0.1660204300
## 111	-0.4065225100	0.428212870	-0.310120440	0.198518870	-0.3309667100
## 112	-0.1981452100	0.248915650	-0.252401670	0.288102470	-0.0827830270

## 113	-0.2044634800	0.232893200	-0.349063100	0.474607660	0.0298850410
## 114	-0.2106362100	0.236233510	-0.208452000	0.278898760	-0.2245144800
## 115	-0.2077500900	0.213879660	-0.132012420	0.205112730	-0.1466693500
## 116	-0.1498158600	0.151927360	-0.038623954	0.089500662	0.0388719040
## 117	-0.2264565200	0.248666470	-0.179675030	0.211583450	-0.0232002050
## 118	-0.2847703300	0.342075030	-0.434323470	0.467046320	-0.1479959600
## 119	-0.2128445300	0.219444340	-0.159137850	0.202265220	-0.1113971100
## 120	-0.2968632700	0.265477790	-0.075661670	0.077134289	-0.2405086500
## 121	-0.3122756500	0.297314420	-0.184592250	0.196735240	-0.2715784500
## 122	-0.4213211600	0.462439180	-0.479786010	0.423281210	-0.1808111200
## 123	-0.4269612700	0.446468440	-0.387894550	0.291004000	-0.2442981500
## 124	-0.3449110800	0.320786400	-0.176794540	0.131798610	-0.5531141500
## 125	-0.3335211400	0.321460100	-0.173539600	0.170820680	-0.3894172200
## 126	-0.0082576075	0.026628929	0.065847870	0.074777575	0.2167050100
## 127	-0.0158083310	0.151863980	-0.261871070	0.441725720	-0.1170053700
## 128	0.1367969700	0.020943891	-0.042492478	0.143302960	-0.1621089900
## 129	0.0936326010	-0.028808060	0.130565120	-0.057738964	-0.1307682400
## 130	-0.2016103700	0.235486440	-0.141183570	0.161937140	-0.2972053000
## 131	-0.2074606100	0.259904490	-0.088998084	-0.009995090	-0.1825805600
## 132	-0.0433014700	0.090138876	0.082579172	-0.129584070	-0.1895190400
## 133	0.0912647500	-0.071227219	0.216108140	-0.070282954	-0.2395378200
## 134	0.0794626000	0.013546589	0.099545370	-0.025315808	-0.1050025300
## 135	-0.0101995170	0.135633520	-0.059698596	0.126996250	-0.3146283800
## 136	-0.0801299540	0.173959340	-0.137609350	0.228467680	-0.3378602300
## 137	-0.1510642900	0.226151830	-0.094767965	0.062210875	-0.3054190000
## 138	-0.1099960600	0.191881180	-0.143308560	0.121024210	-0.2489873400
## 139	-0.1137113500	0.211501470	-0.174041730	0.130142600	-0.2327909900
## 140	0.0002221421	0.035854109	0.153486490	-0.136845240	-0.3146849400
## 141	0.0497013220	-0.016761328	0.144946200	0.015257318	-0.4124402300
## 142	-0.2322682500	0.254389350	-0.150737310	0.258269330	-0.3175586300
## 143	-0.2331066500	0.225408280	-0.089943022	0.176011610	-0.3747333600
## 144	-0.1738619000	0.213340800	-0.171921150	0.320894680	-0.3092130000
## 145	-0.0885160950	0.144767000	-0.076150972	0.081874721	-0.2665925100
## 146	0.0294077840	0.093466882	-0.182603790	0.237274680	-0.2291379600
## 147	-0.0244592900	0.130791750	-0.318137840	0.458517310	-0.1752931300
## 148	-0.3719580100	0.412466340	-0.286313840	0.174058590	-0.3820844500
## 149	-0.3321585000	0.381464720	-0.261276170	0.159131260	-0.3159956000
## 150	-0.2850173600	0.286010830	-0.154087380	0.115607710	-0.1973142300
## 151	-0.4688781500	0.365003270	-0.001750991	-0.171326690	-0.4021847300
## 152	-0.3717056600	0.216324710	0.229789880	-0.312351970	-0.3991865900
## 153	-0.4844966300	0.346357480	-0.068698166	0.030708926	-0.4146714400
## 154	-0.5967220900	0.498819830	-0.265629320	0.144293640	-0.3695114700
## 155	-0.5707911000	0.461072320	-0.115167010	-0.081725938	-0.4845772000
## 156	-0.5738432200	0.489167370	-0.217924460	0.019799798	-0.6341754900
## 157	-0.5607937300	0.479207850	-0.163244600	-0.051009334	-0.2949701100
## 158	-0.5000767200	0.373317970	0.046817880	-0.226241500	-0.2711437900
## 159	-0.4067202600	0.304354700	-0.020918120	-0.084492866	-0.2669899300
## 160	-0.4838825900	0.338617680	0.041294777	-0.140460710	-0.3242567500
## 161	-0.6490358400	0.574105750	-0.337897350	0.114524340	-0.5060858000
## 162	-0.5453634000	0.461961890	-0.218808490	0.037031097	-0.4358530200

## 163	-0.5148729200	0.412488290	-0.185878340	0.080567046	-0.2817575800
## 164	-0.4010481700	0.350465620	-0.246607940	0.182048300	-0.2678710000
## 165	-0.3938305100	0.311612260	-0.201328720	0.187297290	-0.2274333800
## 166	-0.6359656800	0.499066620	-0.199742850	0.067545303	-0.3808862900
## 167	-0.5561481400	0.431315420	-0.150340020	0.038149690	-0.4489091000
## 168	-0.6509688700	0.574452280	-0.456638670	0.311785590	-0.3289129400
## 169	-0.6827349700	0.652763800	-0.585544430	0.372577520	-0.2340231100
## 170	-0.7886439300	0.793609030	-0.766158950	0.459886850	-0.3069867300
## 171	-0.7236974800	0.700904280	-0.656689810	0.415907600	-0.4064975600
## 172	-0.4354901800	0.348013560	-0.199610330	0.152510440	-0.4287430400
## 173	-0.3323895400	0.242486900	-0.061118672	0.044647745	-0.4757115600
## 174	-0.5456831100	0.479605570	-0.322836940	0.180420420	-0.5419091500
## 175	-0.6158393500	0.503595950	-0.268190250	0.131252110	-0.3077227600
## 176	-0.6538911600	0.581225780	-0.373997540	0.148979620	-0.1531025900
## 177	0.7978282100	-0.874354660	0.494576490	0.150893120	0.0003674101
##	NA	NA	NA	NA	NA
## 1	-0.77111201	0.690213230	-0.3318310400	0.709583770	0.134873360
## 2	-0.14992836	0.292618930	-0.1494293500	0.046721243	-0.256929400
## 3	-0.16564496	0.134554440	0.1843489800	-0.010129565	0.043311584
## 4	-0.20718879	0.112457470	0.2020919300	0.210194130	0.141100840
## 5	-0.33952923	0.132537080	0.4732513800	-0.142000700	0.484418850
## 6	-0.22767973	0.138241320	0.3461754600	-0.448102490	0.645013580
## 7	-0.11721192	0.048762132	0.3357637200	-0.016117067	0.466061630
## 8	-0.28304927	0.177423270	0.3079970000	0.204362480	0.193000890
## 9	-0.28317573	0.342415210	-0.0591899250	-0.187376790	0.233717240
## 10	0.05872100	0.035193368	0.1870195500	-0.365844870	0.160245330
## 11	0.08164453	-0.052891273	0.3116983400	-0.425716120	0.152389830
## 12	-0.17971629	0.086658513	0.2243891200	0.015827178	0.059518490
## 13	-0.25448649	0.146609330	-0.0243917080	0.382153110	-0.336155810
## 14	-0.14046523	0.116767880	-0.0055653679	-0.150034710	0.261495120
## 15	-0.13173952	0.100359870	0.1621901700	-0.262291610	0.230272180
## 16	-0.15267218	0.013496817	0.2921851500	0.484807610	-0.513689560
## 17	-0.25134770	0.017479875	0.3569637400	-0.530258780	0.461326320
## 18	-0.23345586	0.108919780	0.1425399900	0.180950290	-0.343992750
## 19	-0.19802532	0.166634710	-0.0701348330	0.111296290	-0.076928197
## 20	-0.10745182	0.018243872	0.0248701720	-0.138034570	0.033427343
## 21	-0.31765493	0.230536330	-0.1389244900	0.172961270	-0.285873050
## 22	-0.40242534	0.268496500	-0.1592855500	0.141273290	-0.181434640
## 23	-0.34895310	0.194231330	0.0682225350	0.082247765	-0.208376420
## 24	-0.58346139	0.365647160	0.0924000410	0.005935114	-0.004609539
## 25	-0.66247916	0.464546340	0.0033378982	-0.200005060	0.015846362
## 26	-0.57627848	0.441655050	-0.0973877400	0.078967501	-0.410562650
## 27	-0.37574613	0.274767660	-0.0444510830	0.218693530	-0.251705190
## 28	-0.13374758	0.329685910	-0.0552984360	0.610399490	-0.885549330
## 29	-0.52736762	0.551473750	-0.3115252500	0.841329160	-0.803092130
## 30	-0.17292377	0.206645750	-0.0603416020	0.849325290	-0.852237130
## 31	0.61404165	-0.297293110	0.1984382900	0.621307770	0.867191880
## 32	0.42625846	-0.179794750	0.2189920500	0.554477380	0.654858550
## 33	-0.01301168	0.080413499	0.1576902100	-0.039286896	-0.718088640
## 34	-0.32119037	0.214815540	0.1978329800	-0.426960330	-0.064531570

## 35	-0.24439191	0.033672171	0.1241977900	0.606366720	-0.811699320
## 36	-0.16333083	-0.056656862	0.1110902500	0.380156590	-0.762989470
## 37	-0.08734008	-0.121534360	0.0671937610	0.028098667	-0.280402940
## 38	-0.16271830	0.039351938	0.1826818500	-0.508735770	0.104834830
## 39	0.06269229	-0.160079070	0.4525638700	0.441709450	0.946102040
## 40	-0.11938092	0.224197360	0.1606809100	-0.069613474	0.996369330
## 41	-0.16823466	0.195996870	0.1055342100	0.514428730	0.983433040
## 42	-0.13952153	0.228858740	-0.3058704700	-0.050829927	0.938052860
## 43	-0.21487387	0.370262980	-0.2905079300	-0.492227930	0.587989060
## 44	-0.35017328	0.215541430	0.0346343150	-0.496560140	0.338028400
## 45	-0.28278556	0.124424110	-0.0077623815	-0.302224850	0.753439590
## 46	-0.31423428	0.217920410	0.0002327177	-0.056931831	-0.113018650
## 47	-0.31819791	0.215199450	-0.0274402950	-0.522545070	0.152187330
## 48	-0.04194086	0.060310170	-0.0892713820	-0.538302180	0.556581380
## 49	-0.23772088	0.287323110	-0.2521227300	-0.344371430	0.398428220
## 50	-0.31315797	0.165462320	0.0541894840	-0.322234520	0.274327670
## 51	-0.19400800	0.087130525	0.2079904100	-0.117097650	0.048721790
## 52	0.52757226	-0.460046510	0.2210710000	-0.217129890	0.338002890
## 53	0.07433822	-0.180300370	0.4348682500	-0.785538950	0.976583240
## 54	-0.07840109	0.017261554	0.0253066110	0.598523070	0.955206920
## 55	-0.16052276	0.097600875	-0.0300448800	-0.269840680	0.526345800
## 56	-0.36381501	0.180061290	0.0493090880	-0.158725950	-0.367527300
## 57	-0.33369647	0.176628370	0.0505439950	0.020600730	0.446232840
## 58	-0.21788456	0.203454520	-0.0273326790	0.189606720	0.428543300
## 59	-0.32364370	0.194702790	0.0597151240	-0.186193460	0.077711230
## 60	-0.29143779	0.142554620	-0.0233155560	0.207146560	0.401666620
## 61	-0.25071682	0.085828002	0.0852431510	0.318847470	0.267904810
## 62	-0.30655326	0.195309440	0.0782167720	0.198454860	0.069544537
## 63	-0.17386919	0.159101480	-0.0907253720	0.245689600	0.173923180
## 64	-0.19177174	-0.002765841	0.1726792200	0.294392050	0.365256250
## 65	0.08903725	-0.235745060	0.2932966800	-0.434549850	0.667717000
## 66	-0.04044613	0.032374513	0.1357613900	0.691688850	0.954811960
## 67	0.28504032	-0.137176690	0.1904332800	-0.443255370	0.303823260
## 68	0.28257441	-0.154684760	0.2192227100	-0.447987390	0.284859200
## 69	0.15444814	-0.136898850	0.1181659500	-0.190806960	0.352694510
## 70	0.46138319	-0.474433760	0.4469372200	-0.572095620	0.571763160
## 71	0.29712061	-0.158825570	0.1835684100	-0.214425760	0.012155568
## 72	0.21713603	-0.079332337	0.2503799000	-0.172633380	-0.003436661
## 73	0.34737167	-0.396576690	0.5770017200	-0.277178420	0.710360680
## 74	-0.10580422	0.141767940	0.0199735770	-0.310446830	0.830127570
## 75	-0.28163989	0.211877250	-0.0630461760	-0.448029220	0.910218740
## 76	-0.40662689	0.325458060	-0.0563091840	-0.793513980	0.898475870
## 77	-0.37009195	0.291213740	0.1007913200	-0.705085790	0.688568870
## 78	-0.47506846	0.453641450	-0.1076420600	-0.084264797	0.486706220
## 79	0.15837001	-0.307141660	0.5045310500	-0.247858180	-0.174488660
## 80	0.09935118	-0.211073320	0.4632182100	-0.205119470	0.123433540
## 81	0.13533303	-0.238551650	0.4786467400	-0.151346610	0.161032720
## 82	0.11628373	-0.190332980	0.3948046700	0.104329580	0.197395100
## 83	0.28265016	-0.326120360	0.4394692400	0.079807808	0.203211840
## 84	0.34700082	-0.438393410	0.6261847900	-0.013876819	0.132047200

## 85	0.35844646	-0.533664430	0.7209631800	-0.008034684	0.068513315
## 86	0.30711985	-0.423826390	0.5552177800	-0.075796089	-0.030988393
## 87	0.39798666	-0.536899370	0.6648772300	-0.145165400	0.082040898
## 88	0.21098070	-0.329115130	0.5262500900	-0.056253106	0.006015072
## 89	0.06546761	-0.159103860	0.4254818600	-0.045529573	0.049992440
## 90	0.10294272	-0.160638600	0.3722416900	0.114394180	0.153830690
## 91	0.08453578	-0.112873560	0.3611833300	0.112856440	0.039004516
## 92	0.07637808	-0.040655296	0.2796987100	-0.022017127	0.054399109
## 93	0.18198920	-0.196025100	0.3863519800	-0.067428863	0.145394300
## 94	0.16304762	-0.226821910	0.4537335500	-0.073316197	0.059822092
## 95	0.14389347	-0.198196360	0.4104742400	-0.029789280	0.011579143
## 96	0.09245758	-0.136677680	0.3573934800	0.097797010	0.068664487
## 97	0.19793546	-0.092323416	0.2134592200	0.079522663	-0.125851150
## 98	0.37804851	-0.277060030	0.3089730100	-0.104234350	-0.323393060
## 99	0.17924920	-0.191422840	0.3690808400	-0.059409245	-0.015622734
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## 101	0.23182303	-0.355275470	0.5573083100	0.051770265	0.034725703
## 102	0.07266653	-0.187450930	0.4497173700	0.085968090	0.038059549
## 103	0.06550126	-0.225605880	0.5439486200	0.117099150	0.180710050
## 104	0.45811203	-0.490774740	0.5566240200	0.157099700	0.107869110
## 105	0.27485867	-0.226483610	0.3605437200	0.007845214	-0.021711281
## 106	0.01342090	0.067395953	0.1524534600	0.018254550	-0.058759468
## 107	0.08137283	-0.232421450	0.5399652600	0.121700090	-0.022481307
## 108	0.10167049	-0.247385110	0.5395780300	0.022281512	-0.040418148
## 109	0.03480758	-0.002616908	0.2333876300	-0.027049202	-0.055189865
## 110	0.12635226	0.015159842	0.1018038700	0.069576874	-0.009128814
## 111	0.38067043	-0.438433300	0.5775770900	0.037931194	-0.084553423
## 112	0.13033203	-0.213867540	0.5108611100	-0.127244190	-0.003084686
## 113	-0.09612915	0.120907610	0.2529530700	-0.117862300	0.153621120
## 114	0.16054433	-0.132653600	0.3723403900	0.004104681	0.288388650
## 115	0.09531184	-0.085789466	0.3612079400	0.131344940	0.190748290
## 116	-0.02397133	0.006381294	0.2929100000	-0.003280086	0.008534615
## 117	0.08370271	-0.145604330	0.4064870600	-0.087754602	0.010023543
## 118	0.23688297	-0.355640170	0.5921328400	-0.062092223	-0.047559305
## 119	0.06677005	-0.041883455	0.3459383100	-0.092475979	0.013131752
## 120	0.23312105	-0.149982880	0.2696999600	-0.037383514	0.028674052
## 121	0.30096104	-0.293622870	0.3845128300	0.010404151	-0.136211180
## 122	0.22700131	-0.440856690	0.7126682800	-0.049433708	-0.192910770
## 123	0.26367219	-0.372923540	0.6224682500	-0.154733120	-0.113061440
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##		NA	NA	NA	NA	NA	NA
## 1	-0.99204155	0.9944288	0.99175581	0.9893519	-0.9944534	-0.9999375	
## 2	-0.99492085	0.9904860	0.99712219	0.9945031	-0.9952984	-0.9999077	
## 3	-0.98896309	0.9892905	0.99712219	0.9941426	-0.9934149	-0.9998871	
## 4	-0.98896309	0.9892905	0.99813033	0.9941426	-0.9954961	-0.9999251	
## 5	-0.99341985	0.9936848	0.99745314	0.9965279	-0.9958778	-0.9999280	
## 6	-0.99341985	0.9938443	0.99745314	0.9965279	-0.9952321	-0.9999316	
## 7	-0.99197796	0.9924061	0.99657686	0.9954176	-0.9935554	-0.9999161	
## 8	-0.99197796	0.9924061	0.99657686	0.9954176	-0.9940795	-0.9999250	
## 9	-0.99604625	0.9923928	0.99443314	0.9958928	-0.9957653	-0.9999411	
## 10	-0.97955372	0.9892216	0.99443314	0.9868988	-0.9898501	-0.9998070	
## 11	-0.97955372	0.9892216	0.99488906	0.9868988	-0.9913272	-0.9998450	
## 12	-0.99285086	0.9964246	0.99756624	0.9955390	-0.9977860	-0.9999737	
## 13	-0.99679079	0.9964246	0.99902394	0.9984978	-0.9986118	-0.9999763	
## 14	-0.99472660	0.9974849	0.99853798	0.9983493	-0.9982931	-0.9999870	
## 15	-0.97917768	0.9868978	0.99462905	0.9968916	-0.9912664	-0.9998208	
## 16	-0.99577474	0.9952240	0.99823913	0.9983023	-0.9966658	-0.9999654	
## 17	-0.98865701	0.9966597	0.99781159	0.9970754	-0.9967769	-0.9999731	
## 18	-0.98865701	0.9963766	0.99781159	0.9958695	-0.9968760	-0.9999794	
## 19	-0.99664438	0.9963766	0.99881033	0.9958695	-0.9980120	-0.9999773	
## 20	-0.99594573	0.9971459	0.99999475	0.9979605	-0.9986763	-0.9999809	
## 21	-0.99594573	0.9959003	0.99923251	0.9975391	-0.9984150	-0.9999850	
## 22	-0.99536700	0.9950542	0.99923251	0.9975391	-0.9981590	-0.9999812	
## 23	-0.99536700	0.9950542	0.99932569	0.9979318	-0.9985113	-0.9999857	
## 24	-0.99687031	0.9978154	0.99844816	0.9955015	-0.9983173	-0.9999888	
## 25	-0.99403951	0.9971994	0.99844816	0.9955015	-0.9974402	-0.9999830	
## 26	-0.99403951	0.9962541	0.99862820	0.9973390	-0.9972134	-0.9999740	
## 27	-0.99479001	0.9962541	0.99880259	0.9948080	-0.9971979	-0.9999714	
## 28	-0.94540482	0.9822560	0.98133991	0.9935950	-0.9903219	-0.9998303	
## 29	-0.99447940	0.9973716	0.99917934	0.9965408	-0.9980141	-0.9999837	
## 30	-0.99828675	0.9974419	0.99894712	0.9982335	-0.9988150	-0.9999904	
## 31	-0.82526842	0.9105935	0.92114238	0.8810457	-0.9147884	-0.9939245	
## 32	-0.82526842	0.9105935	0.92114238	0.8810457	-0.8873061	-0.9931096	
## 33	-0.92036362	0.9356434	0.96946471	0.9287252	-0.9677574	-0.9991606	
## 34	-0.98924934	0.9913570	0.98997344	0.9912727	-0.9938032	-0.9999754	
## 35	-0.99265749	0.9992361	0.99463727	0.9978683	-0.9971566	-0.9999964	
## 36	-0.99638971	0.9992361	0.99397606	0.9962575	-0.9973899	-0.9999944	
## 37	-0.99530146	0.9979276	0.99397606	0.9962575	-0.9969884	-0.9999941	
## 38	-0.99308938	0.9978253	0.99435224	0.9955700	-0.9967110	-0.9999935	
## 39	-0.98918669	0.9918112	0.99554754	0.9974708	-0.9928592	-0.9999358	
## 40	-0.99148302	0.9999076	0.99554754	0.9981707	-0.9954378	-0.9999842	
## 41	-0.99148302	0.9991548	0.99694504	0.9981707	-0.9966584	-0.9999860	
## 42	-0.99671399	0.9974001	0.99632888	0.9971418	-0.9971680	-0.9999834	
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## 44	-0.99295004	0.9988893	0.99772379	0.9976492	-0.9978568	-0.9999969	

## 45	-0.99295004	0.9983107	0.99716972	0.9975627	-0.9973735	-0.9999917
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## 47	-0.99570436	0.9984337	0.99736370	0.9953632	-0.9973989	-0.9999887
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## 49	-0.99488355	0.9989494	0.99854725	0.9962222	-0.9975630	-0.9999913
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## 52	-0.95369491	0.9653198	0.95288988	0.9694617	-0.9748585	-0.9994211
## 53	-0.99770453	0.9975907	0.99793005	0.9956519	-0.9972771	-0.9999832
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## 59	-0.99597001	0.9982789	0.99902288	0.9953308	-0.9988911	-0.9999948
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## 62	-0.99654046	0.9957633	0.99890047	0.9977129	-0.9985135	-0.9999882
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## 66	-0.99119340	0.9903190	0.99229315	0.9907286	-0.9894758	-0.9998695
## 67	-0.73491917	0.5860212	0.90385502	0.8677784	-0.8708735	-0.9210521
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## 69	-0.96291421	0.8306195	0.97342055	0.9641474	-0.9485234	-0.9925026
## 70	-0.83876397	0.3107043	0.86822904	0.8811256	-0.8782908	-0.9428248
## 71	-0.59135059	0.3107043	0.67664895	0.8056303	-0.6891436	-0.7950028
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## 76	-0.99627186	0.9919324	0.99679261	0.9956274	-0.9961627	-0.9999551
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## 81	-0.45690660	0.3898230	0.53664511	0.4204669	-0.3830270	-0.7274464
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## 87	-0.58398099	0.3126711	0.53601577	0.6456939	-0.4689136	-0.7453376
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## 89	-0.41184708	0.3995681	0.53037509	0.4758249	-0.3880930	-0.7189703
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## 92	-0.48462688	0.4248481	0.35342390	0.5982940	-0.2769253	-0.6741988
## 93	-0.32725612	0.4248481	0.35342390	0.5088595	-0.3031301	-0.7358158
## 94	-0.32725612	0.3791644	0.52454729	0.5088595	-0.2927913	-0.7049599

## 95	-0.45166758	0.3791644	0.47263265	0.5190298	-0.2816390	-0.6424599
## 96	-0.46231351	0.4300502	0.41928482	0.5190298	-0.2594583	-0.6128754
## 97	-0.42047260	0.4258570	0.23805402	0.6224720	-0.2410294	-0.6215633
## 98	-0.41487103	0.4258570	0.23805402	0.6630385	-0.3196944	-0.7115388
## 99	-0.27581591	0.4206894	0.63327458	0.5211109	-0.2894609	-0.7181728
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## 102	-0.21923974	0.3679538	0.28230632	0.4002869	-0.1763931	-0.6029448
## 103	-0.49771166	0.3679538	0.28230632	0.4002869	-0.2144242	-0.6539181
## 104	-0.59692231	0.4250177	0.43972586	0.6597558	-0.2562246	-0.6392820
## 105	-0.61172398	0.4250177	0.43972586	0.7262146	-0.3167766	-0.6689758
## 106	-0.53104838	0.4681387	0.55271381	0.5372417	-0.3849062	-0.7392390
## 107	-0.39481439	0.4058061	0.52612899	0.4204232	-0.3222709	-0.6770645
## 108	-0.39481439	0.4058061	0.52612899	0.4204232	-0.3026286	-0.6828593
## 109	-0.42251908	0.3196683	0.46203281	0.5717872	-0.2822660	-0.6566216
## 110	-0.50648154	0.3196683	0.46203281	0.6464646	-0.2616607	-0.6155832
## 111	-0.50648154	0.4795303	0.62002984	0.6413224	-0.2998896	-0.6763851
## 112	-0.41848943	0.3175776	0.43173647	0.6130150	-0.2692810	-0.6589241
## 113	-0.67330925	0.3175776	0.43173647	0.6402286	-0.3713958	-0.6965348
## 114	-0.67621377	0.4586163	0.57408561	0.7193932	-0.3388443	-0.7086979
## 115	-0.69193864	0.2982188	0.55285838	0.6019283	-0.3046479	-0.6554732
## 116	-0.44391047	0.2982188	0.53114400	0.4858652	-0.3125367	-0.6564763
## 117	-0.44391047	0.4315246	0.53114400	0.4858652	-0.3156986	-0.6981960
## 118	-0.44410657	0.4358865	0.59850702	0.4990628	-0.3488963	-0.7093200
## 119	-0.49025585	0.4779903	0.59850702	0.7439467	-0.4041279	-0.7423523
## 120	-0.48644890	0.4967278	0.65938827	0.6730119	-0.4250060	-0.7925688
## 121	-0.48644890	0.4168208	0.65938827	0.6730119	-0.4348855	-0.7593739
## 122	-0.51914213	0.4168208	0.45993493	0.6772140	-0.3903132	-0.6936672
## 123	-0.52141044	0.4741895	0.45993493	0.6772140	-0.3381663	-0.6988234
## 124	-0.53270141	0.4741895	0.59940597	0.7273923	-0.3625351	-0.7296163
## 125	-0.41585065	0.4693033	0.59940597	0.6460098	-0.3956126	-0.7483336
## 126	-0.03927925	0.4854241	0.62257779	0.3676124	-0.4694712	-0.8511695
## 127	-0.37828761	0.6253232	0.04397555	0.6403700	-0.4051838	-0.8808854
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## 129	-0.38531464	0.5404764	0.40687408	0.5041326	-0.3511867	-0.8375829
## 130	-0.46571978	0.3744222	0.57920397	0.6962300	-0.3861965	-0.8667341
## 131	-0.08022678	0.3744222	0.41707949	0.1695219	-0.2842301	-0.8310064
## 132	-0.07598710	0.5052332	0.41707949	0.1695219	-0.3238754	-0.8514148
## 133	-0.07598710	0.6749347	0.48434703	0.4441045	-0.4350336	-0.9230223
## 134	-0.44346836	0.6749347	0.33815927	0.6563295	-0.4178517	-0.9291613
## 135	-0.06569725	0.6599382	0.05544506	0.5421800	-0.2673343	-0.8925547
## 136	-0.06569725	0.6599382	0.05750544	0.5421800	-0.3102355	-0.9041025
## 137	-0.18959599	0.3874435	-0.05255551	0.3618250	-0.2649241	-0.8715048
## 138	0.12471813	0.3874435	-0.05255551	0.3618250	-0.2370126	-0.8854231
## 139	0.12471813	0.3771142	0.16766087	0.4208609	-0.2428187	-0.8878634
## 140	-0.22173325	0.3771142	0.16766087	0.4805248	-0.2873367	-0.8039437
## 141	-0.23898066	0.5698524	0.58897034	0.6440670	-0.3218749	-0.8271798
## 142	-0.23898066	0.6910226	0.63934409	0.5231172	-0.3855408	-0.9121964
## 143	-0.34952047	0.4977504	0.55784599	0.5496996	-0.3761639	-0.8399626
## 144	-0.34952047	0.3092380	0.55784599	0.5496996	-0.3537371	-0.8321494

## 145	-0.05958872	0.3092380	0.14748819	0.4201179	-0.3012873	-0.8018430
## 146	-0.05958872	0.4400284	0.14748819	0.4201179	-0.2086876	-0.7928919
## 147	-0.29678667	0.3121911	0.25057436	0.5525542	-0.3567270	-0.8421112
## 148	-0.49828129	0.3121911	0.40218957	0.5525542	-0.4026367	-0.8520878
## 149	-0.33245634	0.6463774	0.40218957	0.5045003	-0.3802650	-0.8998437
## 150	-0.33245634	0.7134117	0.54204381	0.5045003	-0.4483838	-0.9282402
## 151	-0.45163033	0.7233792	0.67373798	0.7622604	-0.5860524	-0.9377503
## 152	-0.45163033	0.7292025	0.67373798	0.7622604	-0.6068965	-0.9532720
## 153	-0.62795309	0.7292025	0.78162327	0.7053625	-0.6216980	-0.9318393
## 154	-0.50537677	0.7623947	0.77640385	0.7053625	-0.5903987	-0.9249281
## 155	-0.42867032	0.6450155	0.62807383	0.7499209	-0.6063805	-0.9402606
## 156	-0.42867032	0.6450155	0.62807383	0.7499209	-0.6395167	-0.9457558
## 157	-0.62613461	0.5929692	0.62285990	0.7314699	-0.5840930	-0.9321050
## 158	-0.62613461	0.5929692	0.62285990	0.7314699	-0.5750709	-0.9232222
## 159	-0.72112720	0.7415315	0.76052051	0.7847106	-0.5794053	-0.9107921
## 160	-0.65419653	0.5900927	0.76052051	0.7923214	-0.5718353	-0.9052485
## 161	-0.63088664	0.5900927	0.76279005	0.5871215	-0.5435795	-0.9066037
## 162	-0.63088664	0.7261791	0.77171696	0.5871215	-0.5941098	-0.9256977
## 163	-0.74573224	0.7261791	0.75309078	0.7555258	-0.6653165	-0.9403881
## 164	-0.74573224	0.7453419	0.68220189	0.7555258	-0.6326381	-0.9387739
## 165	-0.69510098	0.7453419	0.68220189	0.7847692	-0.6563268	-0.9577387
## 166	-0.69510098	0.8032066	0.75655974	0.7847692	-0.6834615	-0.9627280
## 167	-0.73531327	0.7166646	0.75655974	0.8045944	-0.6852336	-0.9446786
## 168	-0.64153797	0.7978408	0.84143119	0.6754092	-0.6727491	-0.9458542
## 169	-0.59817665	0.6258547	0.65911319	0.6754092	-0.6420801	-0.9148009
## 170	-0.59817665	0.6258547	0.65911319	0.6807450	-0.6193363	-0.8972963
## 171	-0.61269161	0.6849377	0.77433499	0.6807450	-0.6357144	-0.9111150
## 172	-0.61269161	0.6386719	0.76943503	0.7795624	-0.6484287	-0.9193194
## 173	-0.69175391	0.6386719	0.62862361	0.7513854	-0.6609270	-0.9240853
## 174	-0.58529605	0.7086293	0.62862361	0.7235974	-0.6270163	-0.9214623
## 175	-0.58529605	0.7086293	0.75760531	0.7235974	-0.6545596	-0.9412898
## 176	-0.63650551	0.7359578	0.79909098	0.6963594	-0.6698919	-0.9441653
## 177	-0.98409934	0.9874052	0.98432966	0.9935704	-0.9886282	-0.9998570
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999535	-0.9999229	-0.99229974	-0.9969389	-0.9922430	-0.58985096
## 2	-0.9999897	-0.9999459	-0.99074179	-0.9973013	-0.9938078	-0.60094453
## 3	-0.9999798	-0.9999158	-0.98713045	-0.9954278	-0.9927755	-0.54363477
## 4	-0.9999862	-0.9999396	-0.99090865	-0.9970785	-0.9954046	-0.56203107
## 5	-0.9999852	-0.9999535	-0.99451316	-0.9967177	-0.9939689	-0.61773780
## 6	-0.9999824	-0.9999362	-0.99373357	-0.9961224	-0.9919696	-0.62786347
## 7	-0.9999784	-0.9999002	-0.99028337	-0.9961920	-0.9890412	-0.51976607
## 8	-0.9999809	-0.9999041	-0.99117705	-0.9962854	-0.9889278	-0.58211553
## 9	-0.9999841	-0.9999467	-0.99314799	-0.9969638	-0.9931573	-0.63477856
## 10	-0.9999592	-0.9997896	-0.98537015	-0.9933696	-0.9866199	-0.39114362
## 11	-0.9999649	-0.9997970	-0.98981028	-0.9934527	-0.9913767	-0.48060723
## 12	-0.9999911	-0.9999743	-0.99551477	-0.9979006	-0.9969742	-0.70911126
## 13	-0.9999967	-0.9999857	-0.99518065	-0.9986302	-0.9976446	-0.73833759
## 14	-0.9999943	-0.9999727	-0.99735911	-0.9978854	-0.9948523	-0.83344524
## 15	-0.9999542	-0.9998784	-0.98827605	-0.9934181	-0.9929427	-0.45547940
## 16	-0.9999874	-0.9999723	-0.99309174	-0.9960602	-0.9968937	-0.68634223

## 17	-0.9999882	-0.9999573	-0.99422771	-0.9973953	-0.9960203	-0.69602120
## 18	-0.9999901	-0.9999408	-0.99524940	-0.9976857	-0.9921705	-0.76498586
## 19	-0.9999950	-0.9999686	-0.99458493	-0.9983591	-0.9954686	-0.76047545
## 20	-0.9999980	-0.9999797	-0.99485406	-0.9989153	-0.9967953	-0.75068914
## 21	-0.9999966	-0.9999681	-0.99686163	-0.9986342	-0.9951928	-0.80113720
## 22	-0.9999951	-0.9999678	-0.99691113	-0.9985191	-0.9951448	-0.77252396
## 23	-0.9999955	-0.9999727	-0.99776686	-0.9987536	-0.9949545	-0.80113720
## 24	-0.9999944	-0.9999667	-0.99851692	-0.9985422	-0.9934486	-0.81074740
## 25	-0.9999936	-0.9999478	-0.99675976	-0.9983271	-0.9910222	-0.78730969
## 26	-0.9999931	-0.9999529	-0.99514451	-0.9976920	-0.9924281	-0.76498586
## 27	-0.9999910	-0.9999629	-0.99522013	-0.9973820	-0.9947703	-0.74268758
## 28	-0.9998777	-0.9997194	-0.99265037	-0.9952872	-0.9895044	-0.60168722
## 29	-0.9999924	-0.9999748	-0.99644147	-0.9980463	-0.9953441	-0.76682565
## 30	-0.9999935	-0.9999875	-0.99803963	-0.9981111	-0.9971742	-0.83538000
## 31	-0.9927041	-0.9892122	-0.99205852	-0.9935545	-0.9882023	-0.30840433
## 32	-0.9917997	-0.9876571	-0.93067841	-0.9281618	-0.9126758	-0.05274419
## 33	-0.9990277	-0.9983845	-0.98765252	-0.9757217	-0.9785348	-0.54290727
## 34	-0.9999126	-0.9999382	-0.99713366	-0.9908442	-0.9957456	-0.86349227
## 35	-0.9999684	-0.9999808	-0.99814062	-0.9952582	-0.9980109	-0.87355610
## 36	-0.9999726	-0.9999763	-0.99785046	-0.9961801	-0.9967459	-0.85378588
## 37	-0.9999723	-0.9999622	-0.99781132	-0.9969649	-0.9949308	-0.87355610
## 38	-0.9999740	-0.9999536	-0.99726570	-0.9956342	-0.9938598	-0.87355610
## 39	-0.9999534	-0.9998950	-0.99387947	-0.9949337	-0.9940073	-0.57320200
## 40	-0.9999678	-0.9999358	-0.99716891	-0.9955096	-0.9962544	-0.66860959
## 41	-0.9999775	-0.9999603	-0.99701687	-0.9963309	-0.9958981	-0.69797019
## 42	-0.9999748	-0.9999832	-0.99613869	-0.9966698	-0.9973623	-0.73108763
## 43	-0.9999810	-0.9999767	-0.99868962	-0.9958979	-0.9965572	-0.80547794
## 44	-0.9999874	-0.9999655	-0.99878328	-0.9957145	-0.9954894	-0.93000492
## 45	-0.9999859	-0.9999585	-0.99798228	-0.9957698	-0.9946263	-0.87355610
## 46	-0.9999832	-0.9999611	-0.99703075	-0.9965715	-0.9932535	-0.79463707
## 47	-0.9999867	-0.9999657	-0.99597679	-0.9969419	-0.9946679	-0.81822431
## 48	-0.9999883	-0.9999597	-0.99635830	-0.9970382	-0.9938269	-0.84442011
## 49	-0.9999884	-0.9999518	-0.99804976	-0.9975735	-0.9924711	-0.81822431
## 50	-0.9999837	-0.9999559	-0.99787114	-0.9969609	-0.9939022	-0.83538000
## 51	-0.9999817	-0.9999604	-0.99683412	-0.9963495	-0.9950960	-0.79186853
## 52	-0.9987909	-0.9994214	-0.98897950	-0.9918291	-0.9920622	-0.44985567
## 53	-0.9999895	-0.9999685	-0.99534781	-0.9970135	-0.9973710	-0.81008570
## 54	-0.9999938	-0.9999461	-0.99680100	-0.9976798	-0.9934227	-0.78023657
## 55	-0.9999950	-0.9999544	-0.99830729	-0.9977144	-0.9953024	-0.81822431
## 56	-0.9999937	-0.9999817	-0.99854762	-0.9975202	-0.9982816	-0.88399635
## 57	-0.9999935	-0.9999778	-0.99809639	-0.9973980	-0.9967053	-0.83538000
## 58	-0.9999906	-0.9999772	-0.99792820	-0.9971746	-0.9963720	-0.81822431
## 59	-0.9999930	-0.9999749	-0.99882732	-0.9981567	-0.9968042	-0.91780782
## 60	-0.9999969	-0.9999653	-0.99901605	-0.9986097	-0.9951136	-1.00000000
## 61	-0.9999955	-0.9999651	-0.99921769	-0.9980125	-0.9941411	-0.94272650
## 62	-0.9999941	-0.9999769	-0.99789208	-0.9975683	-0.9963082	-0.84346162
## 63	-0.9999942	-0.9999754	-0.99687598	-0.9980683	-0.9958356	-0.85385484
## 64	-0.9999917	-0.9999679	-0.99749791	-0.9970632	-0.9950205	-0.93000492
## 65	-0.9979168	-0.9975131	-0.97915157	-0.9637693	-0.9721431	-0.30486308
## 66	-0.9998854	-0.9998787	-0.99322434	-0.9873391	-0.9911287	-0.72043003

## 67	-0.9946988	-0.9822341	-0.96474037	-0.9700365	-0.9744885	-0.04629660
## 68	-0.9940897	-0.9813794	-0.83930720	-0.9080283	-0.8884896	0.44568592
## 69	-0.9992595	-0.9989341	-0.93262744	-0.9726439	-0.9640644	0.09399343
## 70	-0.9924854	-0.9892139	-0.91268656	-0.9592934	-0.9360927	-0.06636707
## 71	-0.9610903	-0.9583654	-0.72094189	-0.7780686	-0.7637335	0.23659732
## 72	-0.9657803	-0.9674076	-0.86124455	-0.8600275	-0.9198791	0.43062641
## 73	-0.9972327	-0.9983873	-0.97064055	-0.9753646	-0.9813205	0.07501675
## 74	-0.9998405	-0.9999165	-0.98002172	-0.9857704	-0.9898290	-0.34772331
## 75	-0.9998790	-0.9999456	-0.98855237	-0.9931817	-0.9939829	-0.58672004
## 76	-0.9999823	-0.9999704	-0.99240093	-0.9963919	-0.9948173	-0.76498586
## 77	-0.9999806	-0.9999779	-0.99411556	-0.9960014	-0.9957472	-0.72816269
## 78	-0.9999802	-0.9999769	-0.99380599	-0.9963123	-0.9975272	-0.72119438
## 79	-0.8670645	-0.8302985	-0.44202462	-0.6437845	-0.4608486	0.74342518
## 80	-0.8498588	-0.7989612	-0.28566695	-0.5711718	-0.3799361	0.71957445
## 81	-0.8335275	-0.7812541	-0.29615586	-0.4946297	-0.4064064	0.79423450
## 82	-0.7124698	-0.7603122	-0.31762051	-0.3191343	-0.3848310	0.62654775
## 83	-0.6708405	-0.8283687	-0.25778828	-0.2799276	-0.4937727	0.47944502
## 84	-0.7483645	-0.8636627	-0.29903709	-0.2629728	-0.4098482	0.51997579
## 85	-0.7993212	-0.8233232	-0.27662202	-0.3572322	-0.3644728	0.62379192
## 86	-0.7829290	-0.7821580	-0.23360445	-0.3850273	-0.4673854	0.73964462
## 87	-0.8729707	-0.8963348	-0.45450534	-0.5496905	-0.5055503	0.64361994
## 88	-0.8552157	-0.8329147	-0.23570534	-0.5446088	-0.4005007	0.70262671
## 89	-0.8547305	-0.8115140	-0.30896366	-0.5392348	-0.3255062	0.70992802
## 90	-0.7904526	-0.8138423	-0.28647233	-0.3381523	-0.2850159	0.67342150
## 91	-0.7582100	-0.8077646	-0.06430867	-0.3287549	-0.2606037	0.71774071
## 92	-0.7322739	-0.7938202	-0.29170988	-0.3493651	-0.3231578	0.59479066
## 93	-0.7644700	-0.7336946	-0.35325674	-0.3575353	-0.3336048	0.55651780
## 94	-0.7697755	-0.7300889	-0.25358113	-0.3520890	-0.2525590	0.53006842
## 95	-0.7438223	-0.7822456	-0.28329620	-0.3869600	-0.2937334	0.54187970
## 96	-0.7167484	-0.8049978	-0.25856834	-0.3034842	-0.3575704	0.59945905
## 97	-0.6724987	-0.7972432	-0.26664017	-0.2578607	-0.3674074	0.59394739
## 98	-0.7425352	-0.8200766	-0.28915146	-0.3305618	-0.5543322	0.65092125
## 99	-0.7663683	-0.7696955	-0.25530865	-0.3301919	-0.2861845	0.66856594
## 100	-0.8124092	-0.7796562	-0.22867637	-0.3914969	-0.3076129	0.65881889
## 101	-0.7606871	-0.7933198	-0.22128883	-0.4010756	-0.4058911	0.50980570
## 102	-0.6077883	-0.7348694	-0.18169873	-0.2753034	-0.3728846	0.54366934
## 103	-0.6300601	-0.7977490	-0.23692845	-0.2778288	-0.4189239	0.60643348
## 104	-0.6890460	-0.8542310	-0.22050248	-0.3187602	-0.3651663	0.56186342
## 105	-0.7396078	-0.8675397	-0.32472518	-0.3766293	-0.3606796	0.68302383
## 106	-0.8122077	-0.8506866	-0.40614789	-0.4311716	-0.3954357	0.64049426
## 107	-0.7719485	-0.7863931	-0.35998524	-0.4323510	-0.4487233	0.55371885
## 108	-0.7821258	-0.7408963	-0.19780042	-0.4291244	-0.4193127	0.63109323
## 109	-0.7807301	-0.7681117	-0.17613478	-0.3358832	-0.3565478	0.53182256
## 110	-0.7344907	-0.8292388	-0.29987407	-0.2941629	-0.4397762	0.56653944
## 111	-0.7456006	-0.8405252	-0.30998811	-0.3461430	-0.5149216	0.63936072
## 112	-0.7161060	-0.8137203	-0.29005936	-0.3693868	-0.3193640	0.55468504
## 113	-0.8201927	-0.8612358	-0.37149059	-0.4115826	-0.3269933	0.50429404
## 114	-0.7721231	-0.8772768	-0.35808133	-0.3086934	-0.4155290	0.62654775
## 115	-0.7528015	-0.8780894	-0.27924023	-0.3258865	-0.4288552	0.75153549
## 116	-0.7665569	-0.8331449	-0.29146420	-0.3485487	-0.4209944	0.69493108

## 117	-0.7799406	-0.7702435	-0.32646471	-0.4274064	-0.3918909	0.58018805
## 118	-0.8149312	-0.8061492	-0.31878306	-0.4540831	-0.4061451	0.61924645
## 119	-0.8202463	-0.8729393	-0.41185407	-0.5101886	-0.4411907	0.63384906
## 120	-0.8185398	-0.8534788	-0.55488777	-0.4564849	-0.4663992	0.65345404
## 121	-0.8412072	-0.8599433	-0.40554992	-0.4803232	-0.5598256	0.65503979
## 122	-0.8298024	-0.8619584	-0.17257492	-0.5165093	-0.5428272	0.66663158
## 123	-0.8133116	-0.8325581	-0.08904461	-0.4807397	-0.4217947	0.63384906
## 124	-0.8213487	-0.8528035	-0.27023255	-0.4608734	-0.3751624	0.60711343
## 125	-0.7955750	-0.8531623	-0.38213096	-0.5057591	-0.4276290	0.60711343
## 126	-0.8677230	-0.7623388	-0.47920955	-0.4799214	-0.4995591	0.49351878
## 127	-0.6997021	-0.8400690	-0.46250244	-0.4714377	-0.4667001	0.47435536
## 128	-0.6019275	-0.7750631	-0.44978633	-0.3573318	-0.4506690	0.45952003
## 129	-0.7489296	-0.7715627	-0.39049175	-0.3693059	-0.4574007	0.67296670
## 130	-0.8174309	-0.7689376	-0.52926309	-0.3718291	-0.2644873	0.66512424
## 131	-0.7039527	-0.6524539	-0.59065569	-0.3130670	-0.2378865	0.54547117
## 132	-0.7098772	-0.6307288	-0.54328707	-0.3996541	-0.4078536	0.65069821
## 133	-0.8127776	-0.7348593	-0.60239500	-0.4280057	-0.3844106	0.55334277
## 134	-0.7610089	-0.7992731	-0.58695332	-0.4414400	-0.3287290	0.43654104
## 135	-0.5358746	-0.6697160	-0.53056419	-0.3364168	-0.2020061	0.64009993
## 136	-0.6297945	-0.6730386	-0.56640882	-0.3093237	-0.3147440	0.49445635
## 137	-0.5720501	-0.6324965	-0.46378211	-0.3167040	-0.1865107	0.58245368
## 138	-0.6061722	-0.5011905	-0.55785873	-0.2050588	-0.1693921	0.69179872
## 139	-0.5821584	-0.5456302	-0.69127132	-0.2488512	-0.1141771	0.22528165
## 140	-0.6294855	-0.7521980	-0.52415813	-0.3537529	-0.2808804	0.40072868
## 141	-0.7299318	-0.7806515	-0.41758710	-0.2320108	-0.3310704	0.64197184
## 142	-0.7787941	-0.7466493	-0.55162803	-0.3018753	-0.3072444	0.48430491
## 143	-0.8057727	-0.7531033	-0.44233702	-0.3126652	-0.2974639	0.77060845
## 144	-0.7796225	-0.7639645	-0.42370419	-0.2850349	-0.4033948	0.59728806
## 145	-0.6964330	-0.7099908	-0.43903981	-0.3652883	-0.3358176	0.66111992
## 146	-0.5864457	-0.6724198	-0.38170035	-0.2545939	-0.1687996	0.57467639
## 147	-0.7344377	-0.7792621	-0.44875457	-0.4016306	-0.3559218	0.57515238
## 148	-0.7731523	-0.8389758	-0.46848348	-0.3941594	-0.4146626	0.66609043
## 149	-0.7453885	-0.7927868	-0.51687574	-0.3529976	-0.3915840	0.59540819
## 150	-0.8452652	-0.7497244	-0.52862134	-0.4886266	-0.3394966	0.61464650
## 151	-0.8770518	-0.9403100	-0.66993666	-0.4985491	-0.7100153	0.33852334
## 152	-0.8924730	-0.9399260	-0.70270830	-0.5470319	-0.7198676	0.39319210
## 153	-0.9173825	-0.9377547	-0.65241625	-0.6316844	-0.7120502	0.45329786
## 154	-0.9086882	-0.9047699	-0.60029429	-0.6504073	-0.6042640	0.51997579
## 155	-0.9101426	-0.8988917	-0.65846405	-0.6385377	-0.6140264	0.46610321
## 156	-0.9228556	-0.9292448	-0.66569964	-0.6289151	-0.6704223	0.48961263
## 157	-0.8823138	-0.9368579	-0.60780332	-0.5339510	-0.7003791	0.59407742
## 158	-0.8806817	-0.9343884	-0.58343617	-0.5571130	-0.7313976	0.51541119
## 159	-0.9137406	-0.9362326	-0.47834025	-0.5500224	-0.6257813	0.62961368
## 160	-0.9100666	-0.9365831	-0.44926192	-0.5575912	-0.6318355	0.65467522
## 161	-0.9065263	-0.8747648	-0.47118256	-0.5099878	-0.5179077	0.66989039
## 162	-0.9180796	-0.8996163	-0.54130680	-0.5893582	-0.6318968	0.60316837
## 163	-0.9444009	-0.9488951	-0.62088782	-0.6857873	-0.6771453	0.73134610
## 164	-0.9289166	-0.9353219	-0.64941801	-0.6454163	-0.6147258	0.45843733
## 165	-0.9400060	-0.9258045	-0.70081997	-0.6664422	-0.5830835	0.22644588
## 166	-0.9498034	-0.9363612	-0.71178847	-0.6817068	-0.6590258	0.49662768

## 167	-0.9454213	-0.9648043	-0.65271124	-0.6655403	-0.7690265	0.62089138
## 168	-0.9537541	-0.9360644	-0.62917769	-0.6946793	-0.6672926	0.46578175
## 169	-0.9381657	-0.9191818	-0.62493017	-0.7056785	-0.6533179	0.46890216
## 170	-0.9331061	-0.9077587	-0.57775377	-0.7134379	-0.6017454	0.46682133
## 171	-0.9484283	-0.9173533	-0.58026440	-0.6949814	-0.6364697	0.44197231
## 172	-0.9452835	-0.9361609	-0.61943644	-0.6923287	-0.6691231	0.48800712
## 173	-0.9463951	-0.9431094	-0.58227525	-0.6805829	-0.6916842	0.44927361
## 174	-0.9405381	-0.9121761	-0.56528834	-0.6819922	-0.6366755	0.36422216
## 175	-0.9495156	-0.9082623	-0.68253459	-0.7153098	-0.5708004	0.44148658
## 176	-0.9499487	-0.9096835	-0.73339544	-0.7379970	-0.5929355	0.45296878
## 177	-0.9998631	-0.9998809	-0.98327012	-0.9916350	-0.9902747	-0.47761835
##	NA	NA	NA	NA	NA	NA
## 1	-0.68845905	-0.57210686	0.292376340	-0.361998020	0.4055426900	
## 2	-0.74824724	-0.60893213	-0.193307570	-0.067406458	0.1856190700	
## 3	-0.67295733	-0.58841044	-0.241150980	-0.011377283	0.1161336300	
## 4	-0.73133214	-0.66143445	0.009894985	-0.137571470	0.1259651700	
## 5	-0.68309318	-0.63292721	-0.025678521	-0.188139160	0.2309495700	
## 6	-0.68059049	-0.54189712	-0.265496090	0.055804091	-0.0456353260	
## 7	-0.66607491	-0.49959526	0.009593592	-0.131075300	0.1079137800	
## 8	-0.66798651	-0.56541558	0.075953007	-0.224295140	0.2377372300	
## 9	-0.76525671	-0.68840598	0.086642266	-0.109513620	0.2431568600	
## 10	-0.55926549	-0.46244733	-0.133233590	-0.024706337	0.0001514843	
## 11	-0.55926549	-0.48215253	-0.197138820	0.009657765	-0.0654972900	
## 12	-0.79954780	-0.75811504	0.213457870	-0.091160697	0.2620830700	
## 13	-0.86976546	-0.79748966	0.182419110	0.002061251	0.3352682800	
## 14	-0.82741747	-0.69551767	0.136456110	-0.048112315	0.3500781000	
## 15	-0.64118064	-0.38148945	-0.029870244	-0.156227930	0.2768992000	
## 16	-0.76525671	-0.61888215	0.213704080	-0.175548570	0.2635717300	
## 17	-0.78065453	-0.62773070	0.207623260	-0.131889640	0.2400657100	
## 18	-0.79441256	-0.62283903	0.156718470	-0.130886130	0.3032145400	
## 19	-0.87806589	-0.73424522	0.168669750	-0.248424530	0.2618766000	
## 20	-0.91049251	-0.74130965	0.229967640	-0.232703710	0.1318572300	
## 21	-0.86636479	-0.69551767	0.361649320	-0.173832170	0.3917040600	
## 22	-0.87458441	-0.69845039	0.386883460	-0.106590150	0.5546597600	
## 23	-0.87458441	-0.69551767	0.289748910	-0.067733904	0.5216522700	
## 24	-0.83715581	-0.69205130	0.326642020	-0.113156520	0.3172236300	
## 25	-0.82003995	-0.62567501	0.164930270	-0.005106808	0.1409367900	
## 26	-0.78925481	-0.64538512	-0.048893029	-0.051458208	0.1129441200	
## 27	-0.75063691	-0.67493629	0.079621508	-0.143556570	0.2495988100	
## 28	-0.55881560	-0.38181579	-0.056538458	0.051589501	-0.0359952990	
## 29	-0.73064813	-0.76697230	0.277335760	0.082815109	0.3391737000	
## 30	-0.74259173	-0.85816765	0.250433750	0.150451380	0.2218598300	
## 31	-0.22562196	-0.27641826	-0.290495660	-0.054030839	0.2238646200	
## 32	0.16641340	0.23512630	-0.286245770	-0.052398035	0.2738159000	
## 33	-0.07737097	-0.10009125	-0.071351685	-0.200487740	0.6541307200	
## 34	-0.35839636	-0.65840352	0.189509140	-0.184696340	0.2361983100	
## 35	-0.54100260	-0.74395672	0.483111290	-0.102352920	0.7266248600	
## 36	-0.60774142	-0.75811504	0.334474130	0.072286801	0.4652510500	
## 37	-0.63884347	-0.68840598	0.450818290	-0.074086308	0.5538796400	
## 38	-0.62445851	-0.62109683	0.477197270	-0.114639310	0.5198176300	

## 39	-0.50507616	-0.37118670	0.308026790	-0.482510760	0.2459694200
## 40	-0.63590760	-0.45440491	-0.024447902	-0.131168130	-0.0296648430
## 41	-0.61426810	-0.53455580	-0.036260178	-0.068205268	0.1789788500
## 42	-0.63484893	-0.72752467	0.157120670	-0.029902354	0.2490954200
## 43	-0.65008925	-0.72104379	0.225148180	0.004073671	0.2896429500
## 44	-0.67191552	-0.68299855	0.314753010	-0.104237010	0.4127848900
## 45	-0.68993419	-0.68299855	0.595893650	-0.087765785	0.5790684900
## 46	-0.70658528	-0.65652486	0.513310860	0.106929460	0.5369023400
## 47	-0.69549850	-0.68840598	0.268378050	0.168164550	0.3527252400
## 48	-0.71026959	-0.68154770	0.306174300	0.021199564	0.3876319200
## 49	-0.75153136	-0.61224672	0.519576800	-0.191014050	0.5511199200
## 50	-0.69352383	-0.68001339	0.551480000	-0.256866990	0.5449805400
## 51	-0.68811686	-0.69845039	0.295981140	-0.021656148	0.3399979600
## 52	-0.26119397	-0.63927702	0.011492413	-0.288772640	0.2507667400
## 53	-0.71121080	-0.92061236	0.245717930	-0.212358500	0.2734952300
## 54	-0.80680232	-0.73334022	0.194289510	0.051210206	0.1868716200
## 55	-0.81192678	-0.68299855	0.379034880	0.056717373	0.4089920700
## 56	-0.79738245	-0.72665087	0.429685300	0.030442609	0.4875716500
## 57	-0.81240400	-0.70414354	0.432976950	-0.104701380	0.4732056900
## 58	-0.75846383	-0.68840598	0.446681270	-0.159568600	0.4676137300
## 59	-0.83715581	-0.71822156	0.398998590	-0.079360826	0.3730880500
## 60	-0.94096391	-0.69551767	0.195635790	0.045690855	0.2302071200
## 61	-0.86976546	-0.67493629	0.554995290	-0.299332230	0.5304068700
## 62	-0.80409718	-0.73424522	0.480169330	-0.148660130	0.4742972700
## 63	-0.82741747	-0.72564701	0.363892390	-0.082333067	0.3357235700
## 64	-0.76781584	-0.68840598	0.401193440	-0.222540490	0.4241480500
## 65	-0.05174969	-0.26557788	-0.173765900	0.114473660	-0.0341436180
## 66	-0.36129161	-0.71871724	-0.100997430	-0.352996670	0.2426532700
## 67	0.17164829	-0.10799852	-0.767376190	0.445215510	-0.3828454500
## 68	0.29713984	0.18643571	-0.709727560	0.373478310	-0.3246018300
## 69	-0.02008505	-0.26519558	-0.352369150	0.035557501	-0.0416693090
## 70	0.30110407	0.02505958	-0.621017310	0.194766890	-0.0615385300
## 71	0.49314187	0.42804737	-0.570937760	0.211563010	-0.2708181500
## 72	0.34167737	0.24707206	-0.466089230	0.104510320	-0.2387776000
## 73	0.02445236	-0.27198686	-0.250810480	-0.190310320	0.2553316100
## 74	-0.23599739	-0.55860673	0.148156900	-0.141952450	0.4286121000
## 75	-0.41157247	-0.64563269	0.270991730	-0.128886070	0.4561283500
## 76	-0.63936823	-0.73334022	0.109880590	-0.105682650	0.0891090720
## 77	-0.64347062	-0.77998096	0.154170320	-0.026005825	0.1798019900
## 78	-0.61935224	-0.76254225	0.159919300	-0.052046949	0.3740643200
## 79	0.63553150	0.54849775	-0.518213250	0.454758430	-0.2839352100
## 80	0.56042014	0.60908839	-0.318589960	0.098378446	0.2561622000
## 81	0.50171219	0.68495024	-0.240585430	0.039929960	0.3372839600
## 82	0.62789555	0.69901170	-0.455302220	0.351248740	-0.0783146240
## 83	0.54947566	0.76685358	-0.328345690	0.142928390	0.2022270500
## 84	0.56112608	0.68457277	-0.189099470	-0.103271320	0.4281636300
## 85	0.66607531	0.60093118	-0.239220070	0.024554998	0.3310359800
## 86	0.64286809	0.60374371	-0.167957610	-0.035899689	0.3675559500
## 87	0.53646469	0.67613516	-0.224751440	0.026941594	0.3182494700
## 88	0.59943672	0.66752675	-0.168463080	0.022761523	0.2335273100

## 89	0.80918148	0.63856097	-0.248988550	0.102018500	0.1964704700
## 90	0.67371126	0.66160953	-0.410000820	0.255496670	0.1048538400
## 91	0.50003848	0.66645470	-0.521099560	0.446777340	-0.2877966500
## 92	0.60911798	0.78482230	-0.452242320	0.406619940	-0.2175877100
## 93	0.78702475	0.75868576	-0.356220910	0.318603320	-0.0612345870
## 94	0.79941451	0.70510094	-0.377351430	0.318291060	-0.1012095000
## 95	0.54110037	0.65465828	-0.406573260	0.268511650	0.0129029390
## 96	0.43134727	0.51941670	-0.434934990	0.310062380	0.0150471830
## 97	0.56042014	0.54253682	-0.252194150	0.174235180	0.1500139300
## 98	0.57569204	0.48660481	-0.219187340	0.088073892	0.3254980800
## 99	0.54873632	0.63144302	-0.379632820	0.272875000	-0.0248186680
## 100	0.53038432	0.75621742	-0.391171080	0.228527780	0.0046695761
## 101	0.41751630	0.71614717	-0.191346750	0.161772730	-0.0347654690
## 102	0.58006456	0.77174568	-0.085937450	0.116338650	0.0435977820
## 103	0.67653642	0.65195945	-0.109489070	0.062485158	0.1654993400
## 104	0.64979293	0.57675008	-0.231063080	0.179058430	0.1581270100
## 105	0.72513990	0.64867736	-0.243594640	0.151345470	0.2027111800
## 106	0.61195503	0.61091486	-0.375818230	0.237472020	0.1036759700
## 107	0.43458365	0.62863049	-0.389855060	0.346104570	-0.1342709400
## 108	0.68494046	0.77919722	-0.172271040	-0.005718466	0.2806085400
## 109	0.74905823	0.70327863	-0.319960080	0.076097155	0.3350011700
## 110	0.58332799	0.52405571	-0.332252670	0.249795970	0.1623094100
## 111	0.55937254	0.47915327	-0.377128640	0.346351820	-0.0341817880
## 112	0.90865034	0.56229950	-0.196110190	0.146524470	0.1035492600
## 113	0.75572983	0.57267107	-0.184854550	0.050773756	0.2769121800
## 114	0.67947554	0.68454240	-0.310490870	0.100095210	0.3638568800
## 115	0.52582847	0.73975569	-0.390402430	0.297330690	0.0006661611
## 116	0.49695838	0.68509468	-0.278593960	0.162009950	0.1505886000
## 117	0.59859989	0.62949111	-0.266160950	0.152127960	0.2000885400
## 118	0.65101670	0.57834015	-0.329169070	0.304232330	-0.0351450040
## 119	0.60148203	0.55781199	-0.219182890	0.060813054	0.2430486400
## 120	0.50767443	0.58016662	-0.159080890	-0.049147360	0.4790720100
## 121	0.35433140	0.42573642	-0.244043830	0.028632741	0.2962790200
## 122	0.56513682	0.45090359	-0.117960980	-0.139694510	0.5739999100
## 123	0.68494046	0.63636243	-0.125224360	-0.084002447	0.5620300500
## 124	0.48644028	0.63209550	-0.273103850	0.044933147	0.2653824500
## 125	0.42694770	0.54009636	-0.295689790	0.129871120	0.2654914000
## 126	0.58621013	0.51904463	-0.148476870	0.200107220	0.2526420000
## 127	0.76144799	0.57267885	-0.108198850	0.106005340	0.4130108700
## 128	0.78589235	0.64137351	-0.348410900	0.204101080	0.2189549700
## 129	0.68930746	0.58761816	-0.251443310	0.084060624	0.2814465800
## 130	0.71001934	0.58001512	-0.208084110	0.105635430	0.2361434800
## 131	0.66340646	0.56522731	-0.222316930	0.214669370	0.1560952000
## 132	0.62722693	0.51017027	-0.060086228	0.030359713	0.3619437000
## 133	0.68422935	0.56229950	-0.020539518	-0.011798699	0.4572187100
## 134	0.68494046	0.62183142	-0.211351710	0.167087290	0.2435774500
## 135	0.71797960	0.49428111	-0.318140080	0.183878720	0.2525209600
## 136	0.74905823	0.62863049	-0.302095480	0.186195380	0.1602499600
## 137	0.72083062	0.72713910	-0.458565190	0.409535100	-0.2052578100
## 138	0.78414261	0.53876562	-0.355064840	0.327307410	-0.1417989100

## 139	0.70223205	0.57256358	-0.377921290	0.199649510	0.0800756580
## 140	0.60995481	0.50868948	-0.541974140	0.356270450	-0.0083526111
## 141	0.68969427	0.51359845	-0.414188420	0.250118300	-0.0181238570
## 142	0.69438286	0.67680476	-0.085903873	0.162968980	0.1757627400
## 143	0.74142228	0.72278619	-0.146187970	0.157987220	0.2678433500
## 144	0.78627363	0.64206744	-0.157143400	0.182156040	0.2044206900
## 145	0.82733553	0.59784602	-0.396594570	0.277315780	0.1735869900
## 146	0.71985127	0.72925166	-0.466420360	0.326949840	0.1406759200
## 147	0.70021236	0.66920553	-0.266150790	0.170675400	0.0506268190
## 148	0.65577051	0.52040277	-0.272179160	0.176641260	0.0527066230
## 149	0.63486288	0.63595658	-0.292451850	0.179538370	0.1826486400
## 150	0.67730451	0.61653994	-0.248698170	0.141936860	0.3407010000
## 151	0.60148203	0.57159131	-0.268485450	0.121902480	0.1405037600
## 152	0.49816681	0.54293379	-0.155331630	-0.057412194	0.2065839000
## 153	0.47116838	0.46289203	-0.261689420	0.054487908	0.2026780000
## 154	0.54986492	0.33434564	-0.394341650	0.166274960	0.1507927100
## 155	0.35144926	0.53545736	-0.394117940	0.129061580	0.1140376600
## 156	0.34914775	0.57781609	-0.217006740	-0.038092525	0.2511171900
## 157	0.54598506	0.50415735	-0.136821400	-0.044917715	0.2443577400
## 158	0.63286266	0.53053082	-0.251008150	0.114361350	0.2138656100
## 159	0.54934711	0.63109276	-0.187494660	-0.017902947	0.2174404500
## 160	0.64536894	0.54087079	-0.201723580	0.030935512	0.2106897200
## 161	0.54985695	0.67529476	-0.218907600	0.104167000	-0.0001392358
## 162	0.54990204	0.68671307	-0.190918940	0.110528730	-0.0183662160
## 163	0.52694910	0.54299760	-0.337165550	0.243689040	-0.1364706500
## 164	0.63009152	0.58869294	-0.408399340	0.277164560	-0.1395434200
## 165	0.57089313	0.53747000	-0.440254540	0.327949040	-0.0002760416
## 166	0.37306607	0.52137089	-0.266328300	0.114564660	0.0722357900
## 167	0.43933746	0.39186966	-0.352740130	0.182740320	-0.1147606200
## 168	0.40843942	0.59515425	-0.300952730	0.191152180	-0.0162862290
## 169	0.55837482	0.64064566	-0.396481160	0.290487150	-0.0425065620
## 170	0.44946896	0.65856937	-0.306922120	0.140940320	0.0037374258
## 171	0.57813577	0.54471159	-0.347980360	0.196642960	-0.0469308380
## 172	0.61924913	0.44672773	-0.476659020	0.356740870	-0.0420789900
## 173	0.50015660	0.44847930	-0.333255010	0.150927090	0.1232968800
## 174	0.67799568	0.59843511	-0.344281270	0.115518620	0.0815666990
## 175	0.54000748	0.66364216	-0.268921200	0.096970817	0.2070913700
## 176	0.48742268	0.67671878	-0.191552270	0.082226084	0.2433851400
## 177	-0.51422823	-0.40145485	0.612293440	-0.868083400	0.3853334100
##	NA	NA	NA	NA	NA
## 1	-0.0390069510	0.9892838100	-0.414560480	0.3916025100	2.822509e-01
## 2	0.0415218110	0.0723525490	-0.035377727	0.1776063600	2.749805e-02
## 3	0.0896298790	0.0959860270	0.009604215	0.0951261410	2.528870e-01
## 4	0.3161197000	0.0943329520	0.026171325	0.0696609900	2.466532e-01
## 5	0.2002583800	-0.1494002800	0.271977090	-0.2715154700	-9.937466e-03
## 6	0.2362762500	-0.1221989500	0.268114140	-0.1936924600	-5.319577e-03
## 7	0.4165105400	-0.0524902690	0.051215149	-0.0397855910	3.690164e-01
## 8	0.3349742600	-0.0869685160	0.073873000	-0.1384707800	3.206576e-01
## 9	0.4608707600	-0.1342637200	-0.013461528	0.1989779700	-3.707039e-02
## 10	0.4426286900	-0.2453279500	0.010301495	0.0811790270	1.096627e-01

## 11	0.3608675700	-0.2428414800	0.042217792	-0.0042892968	1.971729e-01
## 12	0.1463807000	0.0206379530	0.085306285	0.1205812000	2.794445e-01
## 13	0.2790814900	0.2376564200	0.022329962	0.3590552000	3.000507e-01
## 14	0.0860723960	0.2525088000	-0.039367741	0.4021406600	2.849337e-01
## 15	-0.0098690263	0.1643198000	-0.228627950	0.1071100200	-2.289570e-01
## 16	0.0945860020	0.0433669940	0.053957247	0.2205105700	-4.492381e-01
## 17	0.3869634800	-0.0954629950	0.119091910	0.0795095910	-2.181467e-01
## 18	0.3681561000	-0.1551533000	0.186575300	-0.1824569800	3.240207e-01
## 19	0.2203120100	-0.1386967800	0.186435040	-0.0743844530	3.200621e-01
## 20	0.1524167200	0.1152164000	0.008607366	0.1971679600	3.191143e-01
## 21	0.2278121500	0.2837815400	0.033291668	0.4129916400	2.635347e-01
## 22	0.3092624700	0.3266678900	0.011687289	0.5065634100	3.555433e-01
## 23	0.2828589000	0.1984172800	0.061793202	0.2810235800	3.833196e-01
## 24	0.5181384000	0.2295515300	0.083068182	0.3584837700	2.093110e-01
## 25	0.3065811800	0.2206258000	0.156851670	0.3789367100	1.780614e-01
## 26	0.0022817043	0.1471672000	0.223553800	0.1986822600	4.110308e-01
## 27	-0.0002587135	0.2908773900	0.123990190	0.3156028300	3.639400e-01
## 28	0.6822312100	-0.2584177100	0.128835660	0.3238014400	-3.874802e-01
## 29	0.5038955300	-0.1425582100	0.185001130	0.0579905770	3.276492e-02
## 30	0.4260899000	0.1949004800	0.035550725	0.3913671600	6.385217e-02
## 31	-0.2854838800	-0.6744398700	0.310329580	-0.0262931850	-3.183613e-01
## 32	-0.3667721200	-0.5762530700	0.212499820	0.0633297960	-3.833503e-01
## 33	-0.6584603900	-0.0551409370	-0.027378330	0.4149922500	-3.639714e-01
## 34	0.4759535300	0.0524891210	-0.039626307	0.2910873500	2.054737e-02
## 35	0.4248624600	0.3125402000	0.231659590	0.4632686300	4.471743e-01
## 36	0.3661360500	0.2505962000	0.219041180	0.2606386300	3.261340e-01
## 37	0.2529934400	0.1595061100	0.199091360	0.1937785500	2.835193e-01
## 38	0.3976918200	0.0482052160	0.323106700	0.0843009390	7.113517e-01
## 39	0.0743598690	0.0998939150	0.009770678	0.1895816700	4.626051e-03
## 40	-0.1612333200	-0.0665151580	0.253405870	0.0920699390	1.053763e-01
## 41	-0.1391565000	0.0005898095	0.165153750	0.1678889400	5.222139e-02
## 42	0.0529736230	0.2546377100	0.141653950	0.4360569200	2.741993e-01
## 43	0.0564880910	0.3113908200	0.138808760	0.4227345200	2.818629e-01
## 44	0.0163562800	0.1824034800	0.240353720	0.1978723000	1.227688e-01
## 45	0.2186965500	0.1021376300	0.226660280	0.2205357700	2.427641e-01
## 46	0.2146627900	0.1831856700	0.052778539	0.3651690400	1.337303e-01
## 47	0.0561106550	0.1691351500	0.056598066	0.1608926000	-3.675160e-04
## 48	0.0529009920	0.0457514900	0.271036890	0.0291967540	2.283432e-01
## 49	0.3008050900	0.1233790500	0.280907570	0.2463889300	3.440855e-01
## 50	0.2022138700	0.1040435700	0.348141240	0.1017788300	2.075847e-01
## 51	0.1851276200	-0.0733806690	0.247161050	-0.1156977700	2.035569e-02
## 52	-0.2211062200	-0.5550873000	0.607752460	-0.4046372200	4.462295e-01
## 53	0.2310013500	0.1365581900	0.091509236	0.0765657050	3.171148e-01
## 54	0.3974537400	0.2654528000	0.035163678	0.2672824500	7.585868e-02
## 55	0.1573218800	0.0758803570	-0.008638627	0.1779729000	1.867622e-01
## 56	0.0992800710	0.0107900510	0.054128643	0.1839411500	2.245817e-01
## 57	0.2869919800	0.0798121890	-0.083658334	0.1969434600	1.888999e-01
## 58	0.4874790400	0.0694056410	0.031322040	0.0961239250	3.787362e-02
## 59	0.3949923800	-0.0075596214	0.151249670	-0.0680018610	1.537244e-01
## 60	0.2458171000	0.1070640600	0.021476080	0.0560115550	1.146568e-01

## 61	0.3657627100	0.1170982800	0.127597650	0.1829406400	8.682785e-02
## 62	0.4537545200	-0.0315163630	0.238767600	-0.1167253800	4.924110e-01
## 63	0.4421967700	0.1517293200	-0.060068251	0.0983644420	4.418835e-01
## 64	0.3505580000	0.0587465750	0.029052303	0.1987890100	-1.415402e-01
## 65	-0.6586325300	0.0790254830	0.382057690	0.1112307600	1.448664e-01
## 66	-0.1162864300	-0.0777769140	0.262785850	0.0519766070	-1.368632e-01
## 67	0.3913258200	-0.4162108400	0.373651310	0.0675674010	-2.531985e-01
## 68	0.3670387100	-0.3757149700	0.344360400	0.0869973130	-2.293972e-01
## 69	0.0070230248	-0.1520982500	0.220868530	0.1097450900	-8.491305e-02
## 70	-0.0703090860	-0.0838455520	0.153747470	0.2105552900	-4.837244e-01
## 71	0.3830565900	-0.1468421800	0.290344830	0.2522087300	1.174281e-01
## 72	0.4869832500	-0.1895253200	0.274012490	0.2818701300	9.382417e-02
## 73	-0.0328955940	-0.3419819700	0.111353070	0.2694576400	-3.983607e-01
## 74	-0.1297256300	0.0538645230	0.306499500	0.3731840000	1.423427e-01
## 75	-0.1254136400	0.0943161900	0.222415150	0.5634328200	3.703642e-02
## 76	0.2188107000	0.2487930900	0.243037240	0.3483660200	3.610882e-01
## 77	0.3868327100	0.2205841800	0.269192830	0.2599141200	4.845238e-01
## 78	0.2058698000	0.1249101100	0.198678640	0.2466205700	4.954713e-01
## 79	0.5563338200	-0.4731002900	0.545427820	-0.1994344400	4.483689e-02
## 80	0.2488857200	-0.4148182400	0.420640130	-0.0878431470	-4.195984e-02
## 81	0.1906035900	-0.2172204600	0.252575400	0.0120045620	-4.047139e-02
## 82	0.3566691400	-0.1689628600	0.190128650	0.2189255600	-4.520572e-02
## 83	0.2968496200	-0.1987170700	0.244109660	0.1746139600	-4.592401e-02
## 84	0.2421255500	-0.2178342700	0.317330220	0.0325531140	-1.171053e-01
## 85	0.2749327400	-0.2467128600	0.370798790	-0.0406879890	-1.170667e-01
## 86	0.3322787100	-0.0617365390	0.195630450	0.1904204300	-7.276678e-02
## 87	0.3253255000	-0.4444300000	0.460984980	-0.1724978000	6.638531e-02
## 88	0.5007453800	-0.3543940200	0.411090190	-0.2287227600	7.342000e-02
## 89	0.3984001300	-0.0931421220	0.112898380	0.1636103300	-2.070438e-01
## 90	0.2812001300	-0.2151205300	0.241242890	0.1253445100	-2.494860e-01
## 91	0.5720188500	-0.3620498900	0.469981530	-0.2649937600	1.378241e-01
## 92	0.5260163600	-0.3151529800	0.463084700	-0.1802464500	5.476415e-02
## 93	0.4736648200	-0.4167348900	0.585144200	-0.3179919400	8.969584e-02
## 94	0.5351001900	-0.3673156900	0.504783050	-0.1798353800	1.670559e-01
## 95	0.3908445900	-0.3097716300	0.381844560	0.0139290620	7.494409e-02
## 96	0.3494545000	-0.3359696800	0.458979900	-0.1764290500	1.845109e-01
## 97	0.4432964100	-0.3041718700	0.492887720	-0.1997624800	3.821857e-01
## 98	0.2477394500	-0.2052326100	0.308886290	0.0960303570	1.176233e-01
## 99	0.4703259400	-0.2304579400	0.210355480	0.2051550200	-1.829715e-01
## 100	0.4694292100	-0.3224438200	0.288731870	0.0666882800	-2.143440e-01
## 101	0.6656574200	-0.3777820300	0.482162500	-0.1813770400	-8.649037e-02
## 102	0.6720670100	-0.1115023500	0.354395860	0.0114693590	3.044425e-02
## 103	0.4544627400	-0.1542850000	0.380967670	-0.0391585110	7.570834e-02
## 104	0.3655195100	-0.2526385200	0.328417200	0.0213574990	-3.598580e-02
## 105	0.3173396600	-0.1457341900	0.203059480	0.1297318400	-5.391489e-02
## 106	0.2300621900	-0.2024711700	0.261229190	-0.0008214068	-1.564247e-01
## 107	0.5559108100	-0.1423516400	0.201324520	0.0559294970	-1.357776e-01
## 108	0.4819614900	-0.1129580100	0.108517520	0.1421014400	-8.086759e-02
## 109	0.1302705400	-0.3343284300	0.335691350	-0.0768316390	-6.512095e-02
## 110	0.2505627100	-0.4176694000	0.489720330	-0.1912520100	3.943515e-02

## 111	0.4357144900	-0.3415171100	0.412775620	0.0156873280	-3.915153e-02
## 112	0.5398617900	-0.1429081800	0.248973410	0.1164895300	-2.871379e-01
## 113	0.3422905500	-0.1687906900	0.251492780	-0.0702677800	-1.866581e-01
## 114	0.0641665650	-0.2036564900	0.205325250	0.1225330700	-3.248156e-01
## 115	0.3841488400	-0.1714104600	0.239572440	0.0863843810	-5.407343e-02
## 116	0.3590599900	-0.1056840400	0.245277400	0.1071516100	1.067350e-01
## 117	0.3026599800	-0.2032438400	0.295776990	0.0431305740	-1.039602e-02
## 118	0.4679907500	-0.2662042600	0.383769890	-0.1255073600	-5.967613e-02
## 119	0.3313401300	-0.1796047800	0.289762040	0.0169835430	7.725777e-02
## 120	0.1824461200	-0.2431465800	0.253966060	0.1239968500	-2.631659e-02
## 121	0.3037087900	-0.2638026500	0.270142400	0.0716910370	-1.106658e-01
## 122	0.2053917800	-0.4112295900	0.440067100	-0.1335056600	-1.227253e-01
## 123	0.1461278000	-0.3867049300	0.414949130	-0.0316853620	-1.069631e-01
## 124	0.2356328000	-0.2755340100	0.283729690	0.0997434910	-1.085370e-01
## 125	0.2052593300	-0.2715315400	0.295870750	0.0612123400	-1.938660e-02
## 126	0.2086091400	0.0236012680	0.140746710	0.1848338200	1.239175e-01
## 127	0.1099072000	-0.0448605880	0.380782770	-0.0734677490	3.750586e-01
## 128	-0.1096321300	0.1575484400	0.325733700	0.1916986600	3.108775e-01
## 129	0.0553945730	0.1757541600	0.179395780	0.3365724400	8.316416e-02
## 130	0.2101256100	-0.1718633600	0.318009290	0.0586592140	8.628786e-02
## 131	0.0863448680	-0.1445030500	0.380910590	0.1477138000	9.727176e-02
## 132	0.0469399530	0.0540801990	0.243092820	0.3279964700	1.295591e-01
## 133	0.0399221700	0.1587098700	0.067187968	0.3575303000	3.802252e-02
## 134	0.0297176480	0.1246709900	0.143668980	0.3749815800	-1.368713e-01
## 135	0.0259841550	-0.0300651800	0.330365560	0.1408363500	1.581234e-01
## 136	0.0626586990	-0.0651988070	0.317810860	0.0867858940	1.432789e-01
## 137	0.2089809000	-0.1290810100	0.298974050	0.1928637400	-5.244406e-02
## 138	0.3139743000	-0.0724689550	0.359850660	0.1100730200	1.153841e-01
## 139	-0.1045730500	-0.0672594960	0.357440210	0.1117466300	2.748724e-06
## 140	0.0212239680	0.0936806190	0.195404380	0.3542228600	1.336035e-01
## 141	0.2327415800	0.0741395770	0.095210601	0.2971461700	-2.210338e-02
## 142	0.3056637100	-0.2271290500	0.241373730	0.0937490090	-1.062329e-01
## 143	0.3047007300	-0.2117626100	0.249492470	0.0673608780	5.776977e-02
## 144	0.3478666900	-0.1766810100	0.257795310	0.0292743150	-9.673779e-03
## 145	0.0335390840	-0.0749402620	0.351265030	0.0679461640	3.019848e-01
## 146	-0.0476144350	0.0337427690	0.375438180	0.0317068300	2.976472e-01
## 147	0.2394968000	-0.0260456120	0.307505120	-0.0688660090	1.673102e-02
## 148	0.1100783800	-0.3266817500	0.438638510	0.0142088220	1.708966e-02
## 149	-0.1402280500	-0.2797187500	0.411129960	0.0633483010	-1.885373e-02
## 150	-0.1006839800	-0.2023128700	0.223589110	0.2301976100	-3.276916e-01
## 151	0.1492540400	-0.3537764800	0.217510810	0.3407031300	-3.034877e-01
## 152	0.2813895800	-0.2515726800	0.077399418	0.4290642100	-2.367396e-01
## 153	0.0894729110	-0.4230672500	0.192766250	0.1317180500	-2.025021e-01
## 154	-0.0462624230	-0.5244950400	0.370278450	-0.0766951170	-9.574796e-03
## 155	0.1061512100	-0.4390818500	0.276629280	0.2223729300	-2.511860e-01
## 156	0.2319842800	-0.4691513300	0.341238730	0.1080626700	-2.201419e-01
## 157	0.2803095700	-0.4387475800	0.303223230	0.2268788700	-2.763602e-01
## 158	0.1300918500	-0.3622455200	0.168779040	0.4182937200	-3.922646e-01
## 159	0.3196033300	-0.2734204600	0.139088530	0.3530320500	-4.340731e-01
## 160	0.2549167200	-0.3524285300	0.153209180	0.3033898300	-2.582354e-01

## 161	0.3855623700	-0.5447702300	0.410548870	0.0229793810	-1.812256e-01
## 162	0.3596698100	-0.4311151500	0.368595920	0.0243511930	-3.710276e-02
## 163	0.4221609000	-0.3996764200	0.251517430	0.1343301100	-2.661065e-01
## 164	0.3828584600	-0.3405523300	0.321697080	-0.0316351790	-4.014357e-02
## 165	0.0559334470	-0.3426905900	0.305381230	-0.0892402820	9.264987e-02
## 166	0.2387659700	-0.5264826900	0.337538990	0.0240876360	-1.158389e-01
## 167	0.4538089500	-0.4376850800	0.280714930	0.0386676300	-3.214088e-02
## 168	0.3387926400	-0.5632345600	0.416061920	-0.1341788900	-1.649895e-01
## 169	0.2637530700	-0.6137377100	0.537708450	-0.2213849400	-9.944143e-02
## 170	0.3409233700	-0.7298194000	0.703289320	-0.3828200200	-2.975112e-03
## 171	0.3164385500	-0.6216355500	0.540570290	-0.2082438500	-1.511701e-01
## 172	0.1669205500	-0.3355671300	0.225311040	0.0961059090	-2.670493e-01
## 173	0.0998082780	-0.2337480600	0.186011960	0.1454575700	-1.456706e-01
## 174	0.3308799200	-0.4438054500	0.358853800	-0.0048951848	-1.463863e-01
## 175	0.3034511400	-0.4950992600	0.282069720	0.1004099800	-3.103794e-01
## 176	0.2618057200	-0.5069707400	0.288902290	0.2274540600	-5.569210e-01
## 177	0.2414528100	0.8330094400	-0.475813530	0.4800520000	4.296292e-01
##	NA	NA	NA	NA	NA
## 1	0.927269840	-0.572370010	0.691619200	0.468289820	-0.131076970
## 2	0.182702720	-0.167457400	0.253251030	0.132333860	0.293855350
## 3	0.181648850	-0.169308380	0.132009060	0.008197317	0.193328560
## 4	0.257355350	-0.136808750	0.087315569	0.149095580	0.196657250
## 5	0.235128480	-0.340967050	-0.085712880	0.163956800	0.120590380
## 6	0.203405930	-0.296747890	0.069933579	-0.012261880	0.017912065
## 7	0.020758661	-0.111629620	-0.110855520	0.212635260	0.218221050
## 8	0.206185830	-0.304111500	0.005190615	0.100645570	0.264243460
## 9	0.295217900	-0.265697000	0.239541230	0.186680400	0.284818290
## 10	-0.087741216	0.058122607	-0.008123615	0.203450970	0.009446005
## 11	-0.102797900	0.086862526	-0.047250111	0.161176660	-0.073903955
## 12	0.283651810	-0.076352380	0.165325300	0.011728162	0.080788387
## 13	0.507744240	-0.057540119	0.374357530	-0.080493024	-0.045589931
## 14	0.366410020	0.023658944	0.348529450	0.010344127	0.058147651
## 15	0.101274400	-0.168370620	-0.016545988	0.087689576	0.127074090
## 16	0.170922040	-0.160093130	-0.055963724	0.025715226	0.343780710
## 17	0.283978980	-0.197545740	-0.034790591	-0.033737723	0.334375650
## 18	0.329285130	-0.166038680	0.179427780	-0.096468609	0.166848360
## 19	0.338814890	-0.107716340	0.296541030	-0.033004482	0.025284475
## 20	0.273790260	0.085494592	0.140145380	0.203427740	-0.099332595
## 21	0.614087640	-0.040620128	0.482526590	0.086505004	0.176420540
## 22	0.727324830	-0.153742450	0.557416940	-0.181567240	0.040840352
## 23	0.571472540	-0.173567370	0.378263520	-0.072192700	-0.071531292
## 24	0.668538900	-0.319853190	0.341817560	0.245373530	0.251113310
## 25	0.828480440	-0.389929520	0.492920140	0.243480660	0.212685220
## 26	0.864349650	-0.302270350	0.598239790	0.086549498	0.261707630
## 27	0.692711640	-0.119381130	0.530067780	-0.083921209	0.313089550
## 28	0.015597544	-0.343872090	0.168389230	-0.057665195	0.082029223
## 29	0.616345660	-0.453662080	0.504477610	0.133239450	-0.164524290
## 30	0.209066670	-0.184699740	0.229052540	-0.052303203	-0.057772651
## 31	-0.721559520	0.144920360	0.243296720	-0.546418500	0.705052540
## 32	-0.537089570	0.024254977	0.164802040	-0.457890810	0.602768620

## 33	-0.017106841	-0.232704810	0.202240470	-0.391172150	-0.168186660
## 34	0.289496290	-0.360755370	0.082854611	-0.046252009	-0.224094370
## 35	0.403479790	-0.068244209	0.139329680	0.031097462	-0.270756050
## 36	0.413593130	0.055737247	0.209433090	0.041010091	-0.328258840
## 37	0.368238450	0.271117060	0.145469210	0.222672200	-0.192210140
## 38	0.447881350	0.093384967	0.273445040	0.115528360	-0.215648750
## 39	-0.039385401	-0.159813850	0.023413983	-0.524619470	0.034285135
## 40	0.008679629	-0.408688700	0.277538170	-0.600621470	-0.245714740
## 41	0.158330590	-0.351740980	0.273155850	-0.496489660	-0.358072890
## 42	0.315911410	-0.015142741	0.372797190	0.099816160	-0.456394590
## 43	0.294892910	-0.199282120	0.338297070	0.218877680	-0.331641620
## 44	0.435182540	-0.207895180	0.189213830	0.219894260	-0.092866021
## 45	0.472381720	-0.024856590	0.204561060	0.383866730	-0.230642770
## 46	0.439017510	-0.133864300	0.243213660	0.260327830	-0.320468410
## 47	0.486979420	-0.173308980	0.318806430	-0.008363215	-0.246733980
## 48	0.239345990	0.150724740	0.167689880	0.344745290	-0.105517070
## 49	0.405632430	-0.048799614	0.354142630	0.334864110	0.056008694
## 50	0.450288340	-0.117092020	0.226707790	0.114640440	-0.013073733
## 51	0.237611610	-0.080704578	0.035481656	0.192312890	-0.035597245
## 52	-0.395866570	0.382718350	0.006754116	-0.315831300	-0.172207970
## 53	-0.009635697	-0.146068990	0.057660671	-0.588616090	0.215675370
## 54	0.216651370	-0.002249422	0.184064710	-0.082840860	0.286653870
## 55	0.311045750	-0.055168951	0.243423230	-0.033946138	0.214805630
## 56	0.523746850	-0.215601470	0.274903780	-0.001496952	0.115314670
## 57	0.470700130	-0.182329190	0.234931590	0.188947640	0.096316585
## 58	0.297126910	-0.159521600	0.213413660	0.066573858	0.050215345
## 59	0.518776520	-0.158513590	0.343771730	-0.082531683	-0.052710276
## 60	0.563018950	-0.047993495	0.388197720	-0.034699168	0.046112103
## 61	0.515808520	-0.038158717	0.315723240	0.005390769	0.322907730
## 62	0.486161480	-0.157005850	0.327994120	0.003755141	0.462981110
## 63	0.391056700	-0.065372372	0.365259300	-0.008708822	0.339670950
## 64	0.392626720	0.055523513	0.153047500	0.129233010	-0.022218521
## 65	0.074670399	0.057650162	0.079868301	-0.380609620	-0.466071480
## 66	0.097154704	-0.154308910	0.187217440	-0.339239160	0.297840580
## 67	-0.328162660	0.078443848	0.020310387	-0.195463250	0.160429560
## 68	-0.319535590	0.087308050	0.012521041	-0.196153080	0.153158890
## 69	-0.037726871	0.113815660	0.084992674	-0.145309400	0.104052650
## 70	-0.402501410	0.286508210	-0.125452350	-0.310171160	-0.267694000
## 71	-0.308820050	0.161942290	-0.005266690	-0.077588079	0.049985709
## 72	-0.281113350	0.121192750	0.010217660	0.031360614	0.136818750
## 73	-0.360260830	0.077538779	-0.102780250	-0.442995190	-0.226886100
## 74	0.148655170	-0.181111520	0.203858030	-0.197237280	-0.366075950
## 75	0.425610490	-0.240329200	0.377141850	-0.322785990	-0.474418220
## 76	0.513547270	-0.364553700	0.395126070	-0.284780500	-0.029408814
## 77	0.444816140	-0.381353800	0.345868980	-0.368750050	-0.168341540
## 78	0.508678930	-0.353283580	0.329763640	0.306386920	-0.396890460
## 79	0.032874739	0.230055300	-0.051348219	0.172813770	0.450552720
## 80	-0.016419745	0.254320760	-0.160777110	0.209088750	0.442382180
## 81	-0.076637194	0.247252870	-0.173617130	0.158756350	0.564137480
## 82	-0.046939991	0.220720550	-0.120050210	0.182411960	0.624270800

## 83	-0.240489740	0.298704310	-0.181942910	0.034787760	0.568315240
## 84	-0.394868930	0.370754820	-0.377612440	0.056406685	0.464588670
## 85	-0.317576230	0.404843890	-0.393978450	0.048422866	0.447199860
## 86	-0.195886110	0.331582320	-0.197634840	-0.042433027	0.415218800
## 87	-0.435469630	0.476943410	-0.460657940	0.133593700	0.584331640
## 88	-0.156713690	0.314620160	-0.255530590	0.157654330	0.488532650
## 89	-0.009500576	0.101824400	-0.037689660	-0.028094645	0.353201150
## 90	-0.030503484	0.109876870	0.019959078	-0.065515183	0.583150970
## 91	-0.060526213	0.099600444	-0.041364750	0.047242573	0.582391020
## 92	-0.075039475	0.071901676	0.037105569	0.031377927	0.441032180
## 93	-0.136523930	0.260234670	-0.121943800	0.170437660	0.376828830
## 94	-0.123353470	0.240305920	-0.162418710	0.174788260	0.430630520
## 95	-0.074408890	0.155215610	-0.021906435	-0.077183388	0.441962440
## 96	-0.023308095	0.080220406	0.042523385	-0.110392940	0.431361620
## 97	-0.185923440	0.087350826	0.138986020	-0.198160870	0.465579010
## 98	-0.375486100	0.248768180	0.010173145	-0.183678590	0.492086120
## 99	-0.155284240	0.205479090	-0.089359670	0.073307638	0.471411680
## 100	-0.071162669	0.154436980	-0.066623036	0.060730560	0.378185180
## 101	-0.183685090	0.341561910	-0.267497390	0.127725140	0.423412360
## 102	0.025134370	0.189832480	-0.084785615	0.126281460	0.393898340
## 103	-0.002229288	0.095892084	-0.095980182	-0.086828060	0.446891430
## 104	-0.437170050	0.371719280	-0.199660760	-0.150807450	0.621174940
## 105	-0.270441050	0.152855680	0.043655345	-0.209957890	0.553713330
## 106	0.018856560	-0.066103229	0.261429850	-0.239633710	0.473351870
## 107	-0.015817969	0.180503040	-0.156533280	0.120265580	0.363578660
## 108	-0.050126740	0.284773190	-0.254332330	0.330554550	0.292787390
## 109	0.022512387	0.063956784	0.101317940	0.065369180	0.476983620
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## 111	-0.400867750	0.403591990	-0.363445620	0.146433750	0.642139670
## 112	-0.106831470	0.096584418	-0.034861735	-0.146758970	0.319793510
## 113	0.037292094	-0.186686100	0.180554540	-0.134213830	0.330296080
## 114	-0.207752150	0.012289794	0.031750662	-0.177626070	0.464772200
## 115	-0.130424520	-0.032707612	0.083519256	-0.219910690	0.530452250
## 116	0.049420740	-0.042235459	0.106209960	-0.093636967	0.481483350
## 117	-0.095988555	0.173631740	-0.064463464	0.033161110	0.409897840
## 118	-0.217467840	0.294073750	-0.271844220	0.079557388	0.402765900
## 119	-0.111676570	-0.081154084	0.149895720	-0.279664220	0.480128840
## 120	-0.211825200	0.072157975	0.183435640	-0.327791890	0.535859910
## 121	-0.253143450	0.164358760	0.097968225	-0.391636990	0.468603310
## 122	-0.181519040	0.208534950	-0.268955760	-0.149216720	0.557016410
## 123	-0.328928750	0.312604450	-0.419579360	0.237922730	0.577890530
## 124	-0.627351330	0.488728660	-0.340943960	0.081746311	0.464385050
## 125	-0.418872980	0.324750790	-0.159770900	-0.022415821	0.546605820
## 126	0.249883860	0.093612159	0.008720489	0.051567031	0.385306600
## 127	-0.071774907	0.025903840	0.141358140	0.016624159	0.393723850
## 128	-0.158093220	0.277214450	-0.112432230	0.130656960	0.394003690
## 129	-0.120220410	0.263467760	-0.131552130	0.039448964	0.205157000
## 130	-0.306267240	0.329847490	-0.169177830	0.019895143	0.123911780
## 131	-0.087821954	0.024261861	0.317021440	-0.095054240	0.538698120
## 132	-0.146745670	0.243368980	0.046194292	-0.039994435	0.570983380

## 133	-0.249518920	0.389480390	-0.261597940	0.046467260	0.559539480
## 134	-0.066113836	0.035029040	0.126781050	-0.066008424	0.593230250
## 135	-0.310872080	0.196091520	0.093186083	-0.189596960	0.452897720
## 136	-0.351832290	0.345708540	-0.110379600	-0.023822280	0.397552130
## 137	-0.327598370	0.328637600	-0.122524650	-0.019585805	0.475744940
## 138	-0.213980720	0.292919400	-0.082342945	-0.020711661	0.571207170
## 139	-0.239914520	0.272934040	-0.148989980	0.039528904	0.272710180
## 140	-0.346487550	0.276339170	-0.198587650	0.197004840	0.133321560
## 141	-0.473032150	0.412987200	-0.340639400	0.106737960	0.194071590
## 142	-0.318398830	0.180215810	-0.061337221	0.034715102	0.180161350
## 143	-0.291124500	0.138056430	0.253598820	-0.299811770	0.560577450
## 144	-0.252437040	0.235522210	0.048029436	-0.109756050	0.552834370
## 145	-0.278193210	0.302531690	-0.103099950	-0.089657768	0.606620990
## 146	-0.223303900	0.187764710	0.027005809	-0.197074200	0.472046960
## 147	-0.176042460	0.057645524	-0.006528238	-0.012488547	0.109473580
## 148	-0.393537040	0.211882410	-0.151771240	0.064760380	0.210085850
## 149	-0.286798450	0.332740550	-0.064766087	-0.118661960	0.442470350
## 150	-0.141108240	0.166668790	0.115224000	-0.203162280	0.415471450
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## 152	-0.409803960	0.351953750	-0.168299600	-0.075001023	0.416792540
## 153	-0.357357760	0.172276310	-0.137061220	0.216483210	0.404886180
## 154	-0.347373490	0.247351800	-0.177496760	0.300390950	0.364533470
## 155	-0.456376420	0.395066390	-0.115092320	0.087323575	0.468819580
## 156	-0.536713140	0.273989120	0.241798910	-0.383973070	0.477290320
## 157	-0.269184570	0.222799430	-0.099373747	0.030791109	0.507256860
## 158	-0.271181320	0.280731010	-0.119219190	-0.017349056	0.535801680
## 159	-0.231440980	0.159511040	0.051040538	0.229148010	0.310848130
## 160	-0.355606290	0.350195970	-0.160239700	0.141968620	0.464656830
## 161	-0.492359710	0.451958780	-0.263915860	0.104402420	0.429690690
## 162	-0.361030420	0.230355840	0.079096362	-0.245255500	0.208231770
## 163	-0.183678660	0.052749503	0.256451890	-0.238739800	0.054240479
## 164	-0.159126790	0.107094900	0.116091600	0.048393560	0.244736570
## 165	-0.169396270	0.215784240	0.070804209	0.133675510	0.417105630
## 166	-0.357899180	0.310242170	-0.005635818	-0.011379657	0.265201150
## 167	-0.423739570	0.372883680	-0.058592254	-0.204793970	0.231147740
## 168	-0.336213620	0.278102570	-0.016831905	0.013434384	0.119418960
## 169	-0.193120820	0.180072320	0.176066630	-0.035467163	0.438048590
## 170	-0.169861620	-0.013832336	0.411644000	-0.331325590	0.410507000
## 171	-0.283502840	0.021044465	0.423905820	-0.381674150	0.345443350
## 172	-0.382060430	0.272496060	0.024041809	-0.051173963	0.340895620
## 173	-0.403470850	0.234457240	0.096120618	-0.233426100	0.313532560
## 174	-0.552306660	0.547110460	-0.251738170	0.151424260	0.509460370
## 175	-0.297012740	0.334577630	-0.082679471	0.252617030	0.518457490
## 176	-0.087415982	0.119317740	0.269853840	0.040388071	0.490878060
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## 3	0.073717859	-0.3148577600	-0.983703130	-0.98801962	-0.98832678	-0.986	
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## 6	0.186672890	-0.3211694300	-0.994294990	-0.99524897	-0.99500944	-0.995	
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## 7	0.203931430	-0.4160378200	-0.987465700	-0.98274603	-0.98675558	-0.978	
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## 8	0.208030260	-0.3848070900	-0.977457660	-0.97599674	-0.97650361	-0.978	
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## 9	-0.141098890	-0.2580433900	-0.983630870	-0.97751373	-0.97897119	-0.978	
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## 10	0.089193195	-0.4559168400	-0.986771970	-0.98670243	-0.98837827	-0.987	
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## 12	0.148466620	-0.0995246870	-0.994775630	-0.99611776	-0.99579871	-0.995	
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## 14	0.174676810	-0.2313846700	-0.996700130	-0.99839240	-0.99807005	-0.997	
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## 15	-0.009150338	-0.3145308500	-0.904587780	-0.83989567	-0.83587056	-0.903	
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## 16	-0.118085490	-0.1211127400	-0.984463810	-0.98754846	-0.98798809	-0.984	
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## 17	-0.292231360	-0.2874990700	-0.989043070	-0.99093187	-0.99117062	-0.991	
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## 18	-0.162088280	-0.4119398300	-0.995071550	-0.99268417	-0.99358148	-0.990	
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## 41 -0.0958165940 -0.0555705220 0.0040910928 -0.992951060 -0.99577426
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## 55	-0.5625668500	0.2800821700	-0.0733077290	-0.999504490	-0.99870535
## 56	-0.3918436500	0.3020344000	-0.3417707700	-0.999057730	-0.99827359
## 57	-0.3209596600	0.2857265500	-0.3060576600	-0.997429450	-0.99587294
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## 67	0.5235404200	-0.2317880200	0.0299870750	-0.518427790	0.06407340
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## 74	0.4280927100	-0.4137084000	0.5261945100	-0.849351620	-0.74996890
## 75	-0.0943210640	0.1900809600	-0.0416419860	-0.950780660	-0.91348682
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## 79	-0.0883988450	-0.1029951900	0.2954388800	-0.224559620	-0.23798068
## 80	-0.0907421630	0.0071522924	0.1819491400	-0.126502690	-0.21339031
## 81	-0.2013803800	0.1037466900	0.1712586700	-0.160100010	-0.25757110
## 82	-0.1859417900	0.2028466900	0.0508401810	-0.073513080	-0.19511453
## 83	-0.0540982190	0.0400232160	0.1155762900	-0.049492050	-0.21102536
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## 92	0.0308085340	0.0479809220	-0.0039278620	-0.017610633	-0.14299831

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## 95	-0.1871141300	0.0809887060	0.1222142400	-0.072821245	-0.20792297
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## 22	-0.99753235	-0.99406371	-0.9950034	-0.997891000	-0.9999761	-0.99507095
## 23	-0.99694728	-0.99406371	-0.9955760	-0.995893460	-0.9999497	-0.99404911
## 24	-0.99592005	-0.99414104	-0.9955760	-0.995215340	-0.9999377	-0.99324706
## 25	-0.99542435	-0.99299264	-0.9952074	-0.994193440	-0.9999173	-0.99462698
## 26	-0.99487387	-0.99299264	-0.9938545	-0.995749400	-0.9999378	-0.99489936
## 27	-0.99771410	-0.99436847	-0.9941725	-0.998552500	-0.9999846	-0.99597318
## 28	-0.20730115	-0.46830669	-0.8741391	-0.554369200	-0.8320549	-0.26658477
## 29	-0.93254518	-0.94554244	-0.9833129	-0.934593770	-0.9968400	-0.91046872
## 30	-0.97628471	-0.97032910	-0.9833129	-0.976994980	-0.9993789	-0.98868228
## 31	-0.54741684	-0.64463597	-0.9919874	-0.815758640	-0.9538560	-0.70688322
## 32	-0.52291840	-0.62415949	-0.9919874	-0.507396680	-0.8621489	-0.54944598
## 33	-0.47032362	-0.62415949	-0.8500062	-0.621027250	-0.9035508	-0.45441637
## 34	-0.91435450	-0.89982042	-0.9910566	-0.915953840	-0.9945993	-0.93457224
## 35	-0.96145787	-0.96576109	-0.9910566	-0.974805040	-0.9991517	-0.97121710
## 36	-0.99534349	-0.99294196	-0.9947166	-0.995238360	-0.9999346	-0.99429674
## 37	-0.99911184	-0.99708483	-0.9956285	-0.999067440	-0.9999942	-0.99714322
## 38	-0.99635346	-0.99266963	-0.9973361	-0.998011800	-0.9999712	-0.99665824
## 39	-0.95459778	-0.93281186	-0.9799299	-0.926233340	-0.9965117	-0.96212264
## 40	-0.94899636	-0.96328599	-0.9911172	-0.968162890	-0.9988021	-0.95465736
## 41	-0.99602927	-0.99315619	-0.9941288	-0.992951060	-0.9999008	-0.99551693
## 42	-0.99477500	-0.99211327	-0.9974381	-0.993437900	-0.9999015	-0.99541072
## 43	-0.99267801	-0.99211327	-0.9974381	-0.990914070	-0.9998549	-0.99038875
## 44	-0.99400937	-0.98932754	-0.9965481	-0.987547310	-0.9997920	-0.99411719
## 45	-0.99500811	-0.98932754	-0.9916659	-0.990122640	-0.9998455	-0.99502728
## 46	-0.99779467	-0.99355314	-0.9916659	-0.993024120	-0.9999082	-0.99715909
## 47	-0.99843348	-0.99355314	-0.9978503	-0.994146360	-0.9999274	-0.99732715
## 48	-0.99632057	-0.99420648	-0.9978503	-0.993548920	-0.9999129	-0.99533715
## 49	-0.99460938	-0.99420648	-0.9939445	-0.992640980	-0.9998927	-0.99179797
## 50	-0.99490685	-0.99454562	-0.9939445	-0.992051450	-0.9998827	-0.99256639
## 51	-0.99525420	-0.99426681	-0.9922420	-0.991474710	-0.9998747	-0.99385354
## 52	-0.85064507	-0.82506078	-0.9916650	-0.905122910	-0.9914947	-0.87122077
## 53	-0.98200551	-0.97853805	-0.9960341	-0.987446090	-0.9997034	-0.98641994
## 54	-0.99610625	-0.99577738	-0.9960341	-0.997987630	-0.9999727	-0.99525244
## 55	-0.99821243	-0.99713065	-0.9958402	-0.999504490	-0.9999979	-0.99601814
## 56	-0.99801754	-0.99556295	-0.9973261	-0.999057730	-0.9999918	-0.99630612
## 57	-0.99603295	-0.99077011	-0.9978719	-0.997429450	-0.9999651	-0.99449106
## 58	-0.99644580	-0.99077011	-0.9978719	-0.997419660	-0.9999665	-0.99591501
## 59	-0.99583865	-0.98814262	-0.9976524	-0.997282120	-0.9999591	-0.99600836
## 60	-0.99488439	-0.98814262	-0.9965835	-0.995770500	-0.9999360	-0.99340605
## 61	-0.99556074	-0.99496674	-0.9963627	-0.995868300	-0.9999444	-0.99420648
## 62	-0.99709265	-0.99500397	-0.9968143	-0.997588190	-0.9999708	-0.99656948
## 63	-0.99857225	-0.99655929	-0.9968143	-0.997867250	-0.9999792	-0.99736677
## 64	-0.99819081	-0.99717872	-0.9943586	-0.997318800	-0.9999728	-0.99576141

## 65	-0.52045757	-0.48141557	-0.9422942	-0.721626990	-0.9229399	-0.74231718
## 66	-0.92012779	-0.94678892	-0.9872940	-0.942902620	-0.9971456	-0.91019487
## 67	0.07546684	-0.36572046	-0.9872940	-0.518427790	-0.7607672	0.12828636
## 68	-0.15732077	-0.36572046	-0.8334220	-0.362108240	-0.7314856	-0.13567442
## 69	-0.80626838	-0.72070646	-0.8334220	-0.676364250	-0.9468752	-0.82980516
## 70	-0.77151305	-0.66795693	-0.7739760	-0.634960060	-0.9295791	-0.84057402
## 71	0.14688483	0.15370675	-0.7739760	-0.062945893	-0.4187506	-0.08467829
## 72	-0.18837723	0.15370675	0.1281318	0.294838960	-0.1801745	-0.33463273
## 73	-0.04651580	-0.37138266	-0.9311519	-0.331015760	-0.6981911	0.12301778
## 74	-0.81281361	-0.77393981	-0.9337380	-0.849351620	-0.9809547	-0.90267392
## 75	-0.91488144	-0.94248758	-0.9902052	-0.950780660	-0.9973868	-0.89622326
## 76	-0.99138237	-0.98458674	-0.9902052	-0.989813350	-0.9998227	-0.99189064
## 77	-0.99265755	-0.99190346	-0.9923951	-0.990560140	-0.9998456	-0.99143035
## 78	-0.99470055	-0.99342968	-0.9923951	-0.992300700	-0.9998881	-0.99225600
## 79	-0.29045891	-0.23274851	-0.6833015	-0.224559620	-0.6716960	-0.30212121
## 80	-0.26605200	-0.23274851	-0.7392301	-0.126502690	-0.5991428	-0.25306176
## 81	-0.32122499	-0.32191904	-0.7392301	-0.160100010	-0.6315176	-0.38995894
## 82	-0.26850021	-0.21590597	-0.6532344	-0.073513080	-0.5555910	-0.38127494
## 83	-0.28710281	-0.21590597	-0.8714943	-0.049492050	-0.5397611	-0.39003755
## 84	-0.31537169	-0.24153742	-0.8714943	-0.077394435	-0.5667160	-0.40764808
## 85	-0.30637325	-0.24153742	-0.5405676	-0.095493110	-0.5799239	-0.45362780
## 86	-0.29711074	-0.21974984	-0.5405676	-0.113443280	-0.5927925	-0.39806079
## 87	-0.37802238	-0.27682438	-0.6355853	-0.169629600	-0.6491203	-0.43840012
## 88	-0.31288324	-0.24253563	-0.7318147	-0.107472340	-0.5904463	-0.38935066
## 89	-0.34964022	-0.24253563	-0.7636373	-0.129802930	-0.6100275	-0.46726061
## 90	-0.33831010	-0.20045673	-0.7636373	-0.104808760	-0.5904248	-0.46297058
## 91	-0.28830479	-0.20045673	-0.6579724	-0.063225767	-0.5509673	-0.37800569
## 92	-0.23922406	-0.03033792	-0.6799817	-0.017610633	-0.5003433	-0.30633808
## 93	-0.24692408	-0.03033792	-0.6799817	-0.035592505	-0.5175916	-0.24437273
## 94	-0.28693811	-0.24192138	-0.6724106	-0.062178356	-0.5524586	-0.28440942
## 95	-0.28529385	-0.24192138	-0.4721525	-0.072821245	-0.5575357	-0.37913677
## 96	-0.28236481	-0.26952037	-0.5822961	-0.089840429	-0.5706794	-0.38301423
## 97	-0.29370596	-0.24174021	-0.5822961	-0.113136280	-0.5942681	-0.36187624
## 98	-0.31070564	-0.24174021	-0.7415082	-0.206715790	-0.6650678	-0.38718964
## 99	-0.25324615	-0.20148023	-0.5906801	-0.046277939	-0.5357709	-0.28097580
## 100	-0.25083821	-0.20148023	-0.6000234	-0.006788252	-0.4995660	-0.32123201
## 101	-0.31213000	-0.26385898	-0.6000234	-0.044258164	-0.5411881	-0.39214696
## 102	-0.27968264	0.13897527	-0.7157385	-0.041734145	-0.5241700	-0.37722858
## 103	-0.25299801	0.13897527	-0.7157385	-0.083892745	-0.5515416	-0.41836919
## 104	-0.20222280	-0.04061396	-0.6824306	-0.070705961	-0.5382937	-0.31588417
## 105	-0.23944008	-0.04061396	-0.6892662	-0.069540692	-0.5449636	-0.30256306
## 106	-0.29003163	-0.27193724	-0.6892662	-0.086942954	-0.5717225	-0.37276888
## 107	-0.22839559	-0.19668882	-0.5682228	-0.064423256	-0.5414150	-0.34037110
## 108	-0.27651813	-0.16560060	-0.5682228	-0.046465246	-0.5325493	-0.41305240
## 109	-0.34352688	-0.16560060	-0.6631846	-0.066594317	-0.5623039	-0.47338847
## 110	-0.30926911	-0.28404903	-0.8445580	-0.104721850	-0.5896438	-0.36738822
## 111	-0.30466500	-0.28404903	-0.8445580	-0.146100560	-0.6207508	-0.34477838
## 112	-0.12926112	-0.11211325	-0.7908270	-0.028582068	-0.4952801	-0.18059732
## 113	-0.32352886	-0.19677282	-0.7908270	-0.111311720	-0.5929813	-0.37101137
## 114	-0.36773754	-0.19677282	-0.7221899	-0.126372480	-0.6112246	-0.51659928

## 115	-0.32129452	-0.23349994	-0.7221899	-0.105686140	-0.5864203	-0.44152930
## 116	-0.28886360	-0.23349994	-0.6260679	-0.083591000	-0.5646785	-0.38444870
## 117	-0.30375279	-0.24135290	-0.7417828	-0.067429345	-0.5609211	-0.41629830
## 118	-0.33750557	-0.32411282	-0.7417828	-0.120646470	-0.6080845	-0.40900608
## 119	-0.38291508	-0.32411282	-0.6925189	-0.237415250	-0.6937517	-0.44505594
## 120	-0.36309957	-0.33813247	-0.6687929	-0.250393640	-0.7005265	-0.37588244
## 121	-0.35443167	-0.22557446	-0.6687929	-0.243371870	-0.6945828	-0.35438276
## 122	-0.39845031	-0.22557446	-0.9453941	-0.246311570	-0.6987898	-0.51385409
## 123	-0.35608264	-0.17206864	-0.9453941	-0.193292510	-0.6556402	-0.47684229
## 124	-0.32557912	-0.17206864	-0.7436093	-0.164874500	-0.6340885	-0.38800369
## 125	-0.37520242	-0.26855770	-0.6858984	-0.206492270	-0.6715690	-0.50602103
## 126	-0.28297761	-0.08137791	-0.8386508	-0.170440850	-0.6256801	-0.38149936
## 127	-0.22520739	-0.11500651	-0.7607802	-0.048825749	-0.5201784	-0.40741363
## 128	-0.16053937	-0.08326230	-0.7607802	-0.088540677	-0.5356710	-0.35702374
## 129	-0.13351500	0.01380348	-0.6582115	-0.098690394	-0.5289727	-0.34735850
## 130	0.04183441	0.09272293	-0.5902169	0.028422451	-0.3807923	-0.23521446
## 131	0.04646651	0.09272293	-0.4374004	0.080265708	-0.3317116	-0.28282889
## 132	-0.13681732	0.11707969	-0.4228904	-0.025681958	-0.4634847	-0.52606061
## 133	-0.18366501	0.11707969	-0.4552679	-0.070359730	-0.5331801	-0.23458871
## 134	-0.19484350	-0.08875289	-0.6172783	-0.077787454	-0.5475629	-0.19767115
## 135	0.09033096	0.31830179	-0.6665270	0.133358580	-0.2685841	-0.13747175
## 136	0.00711470	0.31830179	-0.6665270	0.122205780	-0.3058638	-0.20151491
## 137	-0.04875205	0.35030630	-0.6187571	0.147554430	-0.2888230	-0.26860703
## 138	-0.08941795	0.35030630	-0.6187571	0.100149980	-0.3383805	-0.34261161
## 139	-0.09839103	0.04523200	-0.4708229	0.120906110	-0.3430612	-0.24183760
## 140	-0.12214145	0.04059968	-0.5763110	0.073107976	-0.4001708	-0.23795653
## 141	-0.03792351	0.19634252	-0.6715788	0.089121500	-0.3572993	-0.16880815
## 142	0.04403008	0.19634252	-0.6715788	0.172161270	-0.2617723	-0.01379041
## 143	-0.07142112	-0.16471617	-0.6778196	0.060417914	-0.4076453	-0.03909150
## 144	-0.14301226	-0.02226829	-0.8273492	0.059491854	-0.4166914	-0.21732432
## 145	-0.26029716	-0.02226829	-0.8273492	-0.018090242	-0.4948863	-0.44554993
## 146	-0.06823661	-0.03044878	-0.5376172	0.071970206	-0.3783008	-0.24193132
## 147	0.08253412	-0.03044878	-0.6880067	0.040168399	-0.3787271	-0.05513545
## 148	-0.16454407	-0.10074212	-0.7218762	-0.059902458	-0.5160520	-0.29475051
## 149	-0.25757843	-0.13983673	-0.7218762	-0.017039858	-0.5063309	-0.38071862
## 150	-0.16948944	-0.12993093	-0.5615621	-0.015987782	-0.4852382	-0.26215046
## 151	-0.39005033	-0.30861601	-0.7204184	-0.144521220	-0.6336381	-0.48481176
## 152	-0.44338655	-0.39007875	-0.7204184	-0.180750290	-0.6673806	-0.52618944
## 153	-0.48256832	-0.44804840	-0.7066149	-0.142457910	-0.6467035	-0.55048733
## 154	-0.37859081	-0.27314860	-0.7427597	-0.114722580	-0.6081861	-0.42607659
## 155	-0.36092488	-0.27314860	-0.7427597	-0.113543410	-0.6038271	-0.40367948
## 156	-0.48031258	-0.35548786	-0.8859642	-0.160903100	-0.6567155	-0.55078135
## 157	-0.44471209	-0.35657241	-0.8859642	-0.155446530	-0.6500931	-0.45098118
## 158	-0.42944529	-0.35794686	-0.7270043	-0.136595560	-0.6359094	-0.45774228
## 159	-0.29976337	-0.26594667	-0.8552684	-0.088105584	-0.5729196	-0.36462838
## 160	-0.38277796	-0.26594667	-0.9066088	-0.153568090	-0.6380147	-0.43512972
## 161	-0.44559954	-0.40421796	-0.9066088	-0.127183700	-0.6314945	-0.51387210
## 162	-0.48824642	-0.38027151	-0.7430410	-0.132582130	-0.6390484	-0.56317340
## 163	-0.50670457	-0.38027151	-0.7583853	-0.210910600	-0.6954040	-0.59851983
## 164	-0.47137383	-0.27519434	-0.8077118	-0.162489970	-0.6546332	-0.58837641

## 165	-0.38322132	-0.27519434	-0.9624766	-0.193785910	-0.6654351	-0.43076617
## 166	-0.38035727	-0.45270541	-0.9624766	-0.264245800	-0.7146550	-0.31842945
## 167	-0.42164670	-0.48705416	-0.9246065	-0.235804510	-0.7019856	-0.39217224
## 168	-0.43530140	-0.27078335	-0.7029865	-0.119610400	-0.6154678	-0.53201964
## 169	-0.36372265	-0.14008918	-0.7189665	-0.143934940	-0.6246812	-0.40799087
## 170	-0.36403715	-0.14008918	-0.7189665	-0.115904040	-0.6101672	-0.38866974
## 171	-0.41604265	-0.36404429	-0.6138716	-0.113249470	-0.6160625	-0.45323750
## 172	-0.48813865	-0.36404429	-0.6138716	-0.170195260	-0.6651323	-0.59316047
## 173	-0.41054840	-0.36874191	-0.5302577	-0.199625810	-0.6778120	-0.46065368
## 174	-0.28104803	-0.32074187	-0.6294169	-0.150632800	-0.6261992	-0.26454682
## 175	-0.36443687	-0.23733876	-0.6929543	-0.185247830	-0.6555346	-0.41118583
## 176	-0.37727645	-0.07138243	-0.6929543	-0.192335010	-0.6562010	-0.46182542
## 177	-0.93661920	-0.92198951	-0.9906604	-0.924606850	-0.9960587	-0.94448576
##	NA	NA	NA	NA	NA	NA
## 1	-0.23258164	-0.173178740	-0.0228966600	0.0948315680	0.1918171500	
## 2	-0.44187611	0.081568632	-0.1093660600	0.3117577100	-0.4116748000	
## 3	-0.59993932	0.038049101	-0.0742122710	0.2540759900	-0.2961296600	
## 4	-0.58900633	-0.092855878	0.0463961670	-0.0004664473	0.0371425090	
## 5	-0.70459880	0.180441050	-0.2776567200	0.5155624300	-0.3558507600	
## 6	-0.78527148	0.370338620	-0.3934519000	0.5634830200	-0.4815456900	
## 7	-0.58617597	0.155920000	-0.2399421600	0.2930264600	-0.0627012180	
## 8	-0.44777480	0.049663704	-0.1400816800	0.1503584300	0.0351372050	
## 9	-0.49538336	0.382673960	-0.3370736400	0.2192151300	-0.1617669300	
## 10	-0.61329295	0.430694650	-0.3973414300	0.2667853500	-0.0903310960	
## 11	-0.61463968	0.373112800	-0.3430332100	0.3449071300	-0.2767495300	
## 12	-0.84520103	0.415857260	-0.2762635500	0.3496341900	-0.5999291400	
## 13	-0.86991263	0.479832760	-0.3739670000	0.4152130200	-0.5343058200	
## 14	-0.92744189	0.471040190	-0.3623790600	0.4075726400	-0.5267360600	
## 15	0.02351577	-0.520530440	0.4330236000	-0.4526969700	0.3813480500	
## 16	-0.61242297	0.028785268	-0.1342421800	0.2464529500	-0.1058780900	
## 17	-0.70013106	0.071744981	-0.1896596300	0.3401255700	-0.1601039800	
## 18	-0.76520087	0.088873196	-0.0875747550	0.2307962300	-0.2997783300	
## 19	-0.91164086	0.235037670	-0.1593994200	0.3072472200	-0.4611155600	
## 20	-0.90050551	0.258864600	-0.2432917800	0.5054627700	-0.6077512400	
## 21	-0.89308352	0.379181520	-0.4114213700	0.8416637800	-0.8810286700	
## 22	-0.92305351	0.491834070	-0.4733726100	0.6948749200	-0.6693707700	
## 23	-0.90350711	0.562489510	-0.3807686500	0.1120085400	-0.1604592800	
## 24	-0.84348671	0.514524520	-0.3543013900	0.1550630100	-0.2212084700	
## 25	-0.79617070	0.368455600	-0.3247492600	0.3950831100	-0.4074392800	
## 26	-0.80723755	0.375532870	-0.3203405300	0.4365874500	-0.4865988600	
## 27	-0.91034855	0.566921660	-0.4827341300	0.5396608300	-0.5079206500	
## 28	0.50515047	-0.680112990	0.3151620100	0.0854901480	0.1764438700	
## 29	-0.14265732	-0.204337880	0.0657635450	-0.0823802700	0.2613751000	
## 30	-0.54095570	0.054501730	-0.0926288500	0.1704182100	-0.1827282800	
## 31	0.05976542	-0.504479270	0.4242733200	-0.5528966500	0.5664656700	
## 32	0.66630239	-0.596584650	0.5148715500	-0.5602065200	0.4693108700	
## 33	0.49703540	-0.815434730	0.7941846400	-0.8282780600	0.4882381100	
## 34	0.06007779	-0.464710860	0.3602128900	-0.2734398100	0.1989857300	
## 35	-0.35975545	-0.042807522	0.0247153770	-0.1027109300	0.1024307800	
## 36	-0.81601335	0.391776180	-0.4255955700	0.6364977300	-0.5670037100	

## 37	-0.89046364	0.485173750	-0.4730411000	0.7442852400	-0.7573272100
## 38	-0.84569950	0.289682210	-0.3088169500	0.4674343700	-0.3879327200
## 39	-0.16387595	-0.268993640	0.1880795900	-0.1713020800	0.1674457200
## 40	-0.30477008	0.062678045	-0.0020708403	-0.1305923900	0.0089512310
## 41	-0.78870165	0.173412120	-0.0958165940	-0.0555705220	0.0040910928
## 42	-0.75696481	0.159987040	-0.0996125580	0.0681908180	-0.1453462200
## 43	-0.73894443	0.124903260	-0.0898207140	0.1588796800	-0.2741697100
## 44	-0.74299519	0.126192870	-0.2440781900	0.4887438200	-0.3524958800
## 45	-0.76779236	0.153920260	-0.2491693800	0.4074736400	-0.2537942000
## 46	-0.84819404	0.259591460	-0.2177301200	0.3518555400	-0.4915183000
## 47	-0.87549047	0.510861400	-0.4257495800	0.3573448100	-0.3583436600
## 48	-0.85250968	0.466102920	-0.4071317500	0.2436612400	-0.1106279900
## 49	-0.80832684	0.319715110	-0.2889422300	0.0785383330	0.0968399040
## 50	-0.78311216	0.231662460	-0.1580392400	-0.0558554500	0.0644771830
## 51	-0.82233554	0.321446470	-0.2112775800	0.2033330400	-0.3894865000
## 52	0.14110184	-0.567937960	0.5682121000	-0.6235346600	0.3751150300
## 53	-0.55813971	0.303159730	-0.1840101400	0.1234679600	-0.3148711000
## 54	-0.82835121	0.473281380	-0.3456974300	0.2008235400	-0.2074679200
## 55	-0.87317390	0.667267880	-0.5625668500	0.2800821700	-0.0733077290
## 56	-0.86877896	0.523870750	-0.3918436500	0.3020344000	-0.3417707700
## 57	-0.84523817	0.423354660	-0.3209596600	0.2857265500	-0.3060576600
## 58	-0.86644394	0.476707270	-0.3867187800	0.4099740300	-0.4282028600
## 59	-0.83114529	0.266163450	-0.2158199200	0.4897887000	-0.6673749100
## 60	-0.79190157	0.153347500	-0.0732730160	0.1965975600	-0.3818056200
## 61	-0.84504869	0.403171960	-0.2790765700	0.3002725100	-0.4304058700
## 62	-0.91233781	0.468275280	-0.3290873300	0.3073202600	-0.4254652700
## 63	-0.94405478	0.517299330	-0.3739047500	0.3177228300	-0.4220692500
## 64	-0.96402265	0.663835640	-0.5156883200	0.3264662700	-0.3026222400
## 65	0.40202058	-0.267282640	0.1347799200	-0.0653521190	0.1534597100
## 66	-0.12782387	-0.169693680	0.0623277130	-0.1477402300	0.3153021900
## 67	0.30829357	-0.660835940	0.5235404200	-0.2317880200	0.0299870750
## 68	0.77204404	-0.689010700	0.5554357200	-0.2910512000	0.0872920890
## 69	0.40518679	-0.847696490	0.7562588000	-0.6939885400	0.4537469000
## 70	0.41994029	-0.322171670	0.3889797800	-0.5215201600	0.2418041100
## 71	0.86177315	-0.367481340	0.2947559400	-0.4290546400	0.4839886400
## 72	0.81506713	-0.374984730	0.2772406900	-0.4263176800	0.5397004600
## 73	0.76441710	-0.499823740	0.3224840800	-0.4351279300	0.6507668700
## 74	0.16193509	-0.614294560	0.4280927100	-0.4137084000	0.5261945100
## 75	-0.16277211	-0.032125526	-0.0943210640	0.1900809600	-0.0416419860
## 76	-0.68876959	0.360751700	-0.3526190800	0.1239879400	0.0980526030
## 77	-0.71536080	0.358199120	-0.2965263000	0.1380617600	-0.0870704530
## 78	-0.76472242	0.409205830	-0.3190879500	0.3247483800	-0.4123654000
## 79	0.80179191	0.071633848	-0.0883988450	-0.1029951900	0.2954388800
## 80	0.87403064	0.046100766	-0.0907421630	0.0071522924	0.1819491400
## 81	0.85755800	0.139415920	-0.2013803800	0.1037466900	0.1712586700
## 82	0.84006762	0.089020914	-0.1859417900	0.2028466900	0.0508401810
## 83	0.87430946	-0.013517842	-0.0540982190	0.0400232160	0.1155762900
## 84	0.87852461	-0.080544239	0.0024097269	-0.0141241580	0.1667527600
## 85	0.85545042	-0.060648025	0.0008663825	-0.0892763880	0.2606428700
## 86	0.80867228	0.099839719	-0.1350929200	0.0301422910	0.1661456600

## 87	0.76189413	-0.097309240	0.0251930850	0.0310416080	0.0432281050
## 88	0.80902321	0.053010495	-0.1342250900	0.0370927930	0.2455446200
## 89	0.81425610	0.138224870	-0.2917465800	0.4383373700	-0.1217470600
## 90	0.83072874	0.075965531	-0.2264421000	0.4952526900	-0.2934405700
## 91	0.83174647	-0.059955099	-0.0638210000	0.2491876000	-0.1075521600
## 92	0.88867452	-0.090948792	0.0308085340	0.0479809220	-0.0039278620
## 93	0.87266198	-0.031004900	-0.0010291740	-0.0779892470	0.1866496500
## 94	0.85864784	0.113852830	-0.1577004900	0.0295989210	0.1939898700
## 95	0.82268641	0.152759740	-0.1871141300	0.0809887060	0.1222142400
## 96	0.84712927	0.046200262	-0.1045319900	-0.0045539705	0.2250433700
## 97	0.83072874	0.045146890	-0.0530253300	-0.1464996400	0.3030140000
## 98	0.85060551	0.061571107	-0.0594000590	-0.0515903710	0.1420375400
## 99	0.84217520	0.137906330	-0.1794015800	0.2255724800	-0.1053918200
## 100	0.85271309	0.212545490	-0.2224129600	0.2058445500	-0.1012639400
## 101	0.85654027	0.097592246	-0.1454620700	0.1163081800	0.0361582410
## 102	0.81956110	0.095621340	-0.1255720000	-0.0615520560	0.2970981000
## 103	0.81159089	0.115020050	-0.1488498500	-0.0453046760	0.3101344000
## 104	0.80234954	0.098589622	-0.1270805900	-0.0446466880	0.2702427100
## 105	0.81050104	0.006834123	-0.0436560950	-0.0970995550	0.2736902500
## 106	0.81077985	-0.040788209	-0.1056936700	0.3285722200	-0.1580925200
## 107	0.84400396	0.062276461	-0.1806585500	0.3508136300	-0.1554904800
## 108	0.88200086	0.128398240	-0.1884978400	0.2531159000	-0.1138964700
## 109	0.81214852	0.144790360	-0.1976774600	0.1741133400	-0.0004288831
## 110	0.81050104	0.124954490	-0.2004172300	0.1547626900	0.0945863680
## 111	0.80867228	0.048119737	-0.1338544500	0.1033381000	0.1409750500
## 112	0.82816106	-0.006818309	-0.0543022810	0.1797838500	-0.1237375200
## 113	0.80793336	0.136859180	-0.2239722300	0.2827849800	-0.0596085490
## 114	0.78742684	0.185515700	-0.2739934200	0.4144561200	-0.2355117300
## 115	0.81921017	-0.041971185	-0.1248941500	0.5325160100	-0.4284699500
## 116	0.87567812	-0.079602956	-0.0455629660	0.2926979900	-0.1964519000
## 117	0.87989328	0.018552979	-0.1590239800	0.3270656600	-0.1102036400
## 118	0.84052772	0.166493110	-0.3113485300	0.3338459900	0.0647956020
## 119	0.76087640	0.124422640	-0.2599674500	0.4081230600	-0.1186443000
## 120	0.77625920	-0.038122982	-0.0147438990	-0.0297562830	0.1726016200
## 121	0.81983992	-0.012179873	0.0070245367	-0.0881377610	0.1387999400
## 122	0.83026864	0.064252784	-0.1285504400	0.2511330000	-0.1701097800
## 123	0.81608486	-0.019925406	-0.0817949940	0.3383315400	-0.2896677700
## 124	0.84986660	-0.146720510	0.0540527520	0.1631646300	-0.1566150400
## 125	0.81425610	-0.018326819	-0.1089683600	0.2658048800	-0.0748110990
## 126	0.83768123	-0.107065640	0.1403910200	-0.1978032100	0.0928935800
## 127	0.88309070	0.013205649	-0.0234932050	0.1920615000	-0.2944071100
## 128	0.83209741	-0.035541180	0.0284556230	0.2530427400	-0.4564709300
## 129	0.81745352	-0.122338270	0.0498619600	0.2607489300	-0.3400734100
## 130	0.85334284	-0.125334910	-0.0212167770	0.2401811000	-0.0586543930
## 131	0.86770791	-0.180221550	0.1200142600	-0.0523288450	0.0888055580
## 132	0.78144738	-0.129588420	0.1195109400	-0.0335084080	-0.0502844890
## 133	0.79757675	-0.078638364	0.0695137230	0.0438808530	-0.1419560000
## 134	0.77980756	0.013183617	-0.0100746120	0.2863528100	-0.4977955700
## 135	0.90222856	0.039330651	-0.1894231400	0.5420097400	-0.3648770800
## 136	0.89316850	-0.210100720	0.1993501000	-0.1710985800	0.0987230850

## 137	0.89288968	0.105546000	-0.1465551900	0.1304313500	0.0285706910
## 138	0.85334284	0.003873213	-0.0660119580	0.1537331500	-0.0493292460
## 139	0.89316850	-0.414867330	0.3705447400	-0.2214157300	0.0440720220
## 140	0.87852461	-0.024157120	-0.0375554310	0.1980244600	-0.1842745000
## 141	0.93994664	-0.024928480	-0.0714817640	0.2220311400	-0.0781723220
## 142	0.85836903	-0.201153530	0.0583814670	0.1423225700	0.0099049523
## 143	0.88547710	-0.230445540	0.1814680500	-0.0165579260	-0.0728242360
## 144	0.86844682	-0.189027480	0.1559889900	-0.0472556660	-0.0285426580
## 145	0.83237622	-0.045035181	-0.0051142644	0.0800440820	-0.0295470060
## 146	0.83768123	-0.160231850	0.0396655520	0.0915984750	0.0439197290
## 147	0.89106092	-0.324404340	0.0934692840	0.2686026400	-0.0766338630
## 148	0.87989328	-0.156721390	0.0824854450	0.0807386950	-0.0677115370
## 149	0.84775902	-0.069460974	0.0345638620	0.1811355200	-0.2832371800
## 150	0.87009430	-0.189500570	0.0564644910	0.3012755000	-0.3042996700
## 151	0.80179191	-0.253645770	0.0734071330	0.3101355600	-0.2781555900
## 152	0.76618141	-0.236702910	0.0856744780	0.1049482500	-0.0077893914
## 153	0.79273185	-0.384452860	0.2713783700	-0.0644815440	-0.0108982860
## 154	0.78668793	-0.484930070	0.4201914600	-0.2838411300	0.1027917500
## 155	0.80024196	-0.348736980	0.3151011900	-0.1913532100	0.0050357642
## 156	0.77938451	-0.170423230	0.1326931400	-0.1001700800	0.0498378620
## 157	0.80480805	-0.236987830	0.1343724500	-0.0430911980	0.0833157880
## 158	0.78816576	-0.206294380	0.1088719700	0.0171455510	0.0007366699
## 159	0.85545042	-0.355097980	0.2222409400	-0.1517912500	0.2473766800
## 160	0.82834235	-0.473742990	0.3316101300	-0.0916016650	0.0383749640
## 161	0.79027333	-0.272370510	0.1164457300	0.0736356600	0.0124476280
## 162	0.79648690	-0.214547080	0.1245499200	-0.1155334700	0.1850548600
## 163	0.78633699	-0.320336450	0.2748793000	-0.2398919400	0.1399805200
## 164	0.80308845	-0.363553310	0.3213510000	-0.1974104300	0.0087408448
## 165	0.81921017	-0.427555560	0.3233789800	-0.1983491000	0.1444285400
## 166	0.81425610	-0.611956730	0.4275846300	-0.1109613800	0.0505178260
## 167	0.75392392	-0.651123370	0.4732497900	-0.0403929140	-0.1369637800
## 168	0.76168744	-0.476238020	0.3260327900	-0.1467862100	0.1452215500
## 169	0.82166868	-0.278903460	0.2369866800	-0.2133677200	0.1419728700
## 170	0.82331616	-0.287346860	0.2505250200	-0.2156539400	0.1197375700
## 171	0.80445712	-0.464660740	0.3618292400	-0.0682658760	-0.1223225400
## 172	0.74935783	-0.380613940	0.3175043700	-0.0547894920	-0.1757717400
## 173	0.77067538	-0.490032810	0.4281176900	-0.2537839500	0.0363053910
## 174	0.79164200	-0.378494160	0.2546173900	-0.1437065500	0.1707895200
## 175	0.83385405	-0.331605530	0.1705426000	0.0392080460	0.0332499200
## 176	0.79996315	-0.309904850	0.3301168000	-0.4827936100	0.3704445800
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## 3	-0.98853127	-0.990396900	-0.990650490	-0.98866062	-0.99301198
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## 4	-0.99307804	-0.993380800	-0.993194520	-0.99340172	-0.99301198

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## 5	-0.99348000	-0.995853710	-0.996107460	-0.99328290	-0.98132454	-0.99348
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## 6	-0.99301770	-0.995424310	-0.995527400	-0.99328290	-0.99317504	-0.99301
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## 7	-0.99131430	-0.989447830	-0.991090730	-0.98567750	-0.99317504	-0.99131
430						
## 8	-0.99085085	-0.990388320	-0.992003950	-0.98567750	-0.97601033	-0.99085
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## 9	-0.99332542	-0.992887470	-0.994063200	-0.98965923	-0.98468412	-0.99332
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## 10	-0.98538815	-0.983643080	-0.984627640	-0.97867202	-0.98468412	-0.98538
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## 11	-0.98441139	-0.986025150	-0.987352770	-0.97867202	-0.98081241	-0.98441
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## 12	-0.99279492	-0.995271440	-0.994908340	-0.99578821	-0.98789428	-0.99279
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## 13	-0.99486033	-0.997127200	-0.996745490	-0.99675634	-0.98789428	-0.99486
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## 14	-0.99536254	-0.996000580	-0.996308160	-0.99418254	-0.98705928	-0.99536
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## 15	-0.99047837	-0.989126840	-0.989703990	-0.98849177	-0.98398162	-0.99047
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## 16	-0.99628275	-0.997540460	-0.998574970	-0.99480759	-0.98398162	-0.99628
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## 17	-0.99552049	-0.998926310	-0.999032100	-0.99723994	-0.97920399	-0.99552
049						
## 18	-0.99564686	-0.996738500	-0.996957050	-0.99455144	-0.99717176	-0.99564
686						
## 19	-0.99585704	-0.997312420	-0.997401830	-0.99455144	-0.99717176	-0.99585
704						
## 20	-0.99645316	-0.999917210	-0.999342080	-0.99971152	-0.99113950	-0.99645
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## 21	-0.99547632	-0.997633560	-0.997544830	-0.99674768	-0.99113950	-0.99547
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## 22	-0.99306888	-0.994404870	-0.994067080	-0.99559974	-0.97680023	-0.99306
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## 23	-0.99222923	-0.992841390	-0.992109190	-0.99457242	-0.98298521	-0.99222
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## 25	-0.99333286	-0.995233700	-0.995274210	-0.99506619	-0.98364338	-0.99333
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## 26	-0.9998822	-0.99315864	-0.87366019	0.259553330	-0.3254526000	-0.06816

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## 27	-0.9998942	-0.99368545	-0.83461996	0.367346120	-0.4066063600	-0.07747
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## 28	-0.9993133	-0.97912720	-0.57560394	-0.165433580	-0.3056004500	0.59776
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## 35	-0.9999482	-0.99470799	-0.86572364	0.173622750	-0.2833072000	0.14905
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## 38	-0.9999438	-0.99608161	-0.92073714	0.432273820	-0.3990243700	-0.12136
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## 56	-0.9999406	-0.99741583	-0.87196728	0.217941710	-0.0910101610	-0.15535
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## 59	-0.9999164	-0.99355290	-0.84693873	0.457587370	-0.0712525340	-0.34288
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## 67	-0.9734378	-0.79072154	-0.02499361	-0.325641050	0.4060059600	-0.30185
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## 68	-0.9718596	-0.84244775	0.13827868	-0.305092650	0.3739458300	-0.22631
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## 69	-0.9977057	-0.95964421	-0.32750005	0.020529256	0.0812890970	0.05068
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## 71	-0.8623760	-0.68579331	0.50716138	0.475436070	-0.4500843600	-0.12097
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## 72	-0.8717019	-0.63685698	0.47821300	0.586767770	-0.3989220100	-0.22475
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## 81	-0.6673352	-0.42245052	0.68884301	0.251164970	-0.2661200700	-0.40602
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## 82	-0.6166038	-0.34727720	0.73080107	0.159746070	-0.1383354800	-0.08539
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## 83	-0.6298925	-0.29621967	0.74302548	-0.103144590	0.1341027200	0.01777
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## 88	-0.6366417	-0.41828443	0.74320734	0.108836840	-0.1521563200	-0.31469
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## 89	-0.6601824	-0.40378679	0.71278540	-0.027611190	-0.0805614090	-0.02521
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## 90	-0.6275694	-0.39241540	0.79092963	0.061838976	-0.1002985600	0.00084
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## 91	-0.6187682	-0.43899880	0.75497018	0.197637400	-0.1960412900	-0.10373
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## 92	-0.5800329	-0.40991438	0.75908933	0.068091365	-0.2202587600	-0.10219
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## 93	-0.5427177	-0.23078491	0.76910156	0.142537610	-0.2898696400	-0.06821
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## 94	-0.5533210	-0.25493090	0.80217789	0.240453550	-0.1429811100	-0.20610
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## 95	-0.5543149	-0.21986846	0.80189819	0.067580651	0.0949324830	-0.44838
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## 96	-0.5895583	-0.13706729	0.79344087	-0.149977090	0.2809977100	-0.40106
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## 156	-0.8607454	-0.57513932	0.56791742	-0.200401300	0.2307507800	-0.04631
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## 160	-0.8633838	-0.57126518	0.57841672	-0.029933904	0.2019190300	-0.37272
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## 161	-0.8522500	-0.53122013	0.60224146	-0.003041467	0.0129732570	-0.33251
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## 164	-0.8659409	-0.62860996	0.53441668	-0.110014940	0.4708855100	-0.75924
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## 169	-0.8377158	-0.58952208	0.57091573	-0.267323200	0.3300700600	-0.47530
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## 2	-0.4583456800	-0.980683140	-0.983754190	-0.9820027000	-0.98471460
## 3	-0.5205411200	-0.976317070	-0.986051460	-0.9844577800	-0.98471460
## 4	-0.4364594000	-0.982059880	-0.987351120	-0.9856316200	-0.99002906
## 5	-0.4582990900	-0.985203730	-0.989062570	-0.9896133700	-0.98702854
## 6	-0.1661819600	-0.985894400	-0.986440270	-0.9863045600	-0.98702854
## 7	-0.2072857600	-0.985500690	-0.984625250	-0.9824940100	-0.98799640
## 8	-0.3433793800	-0.984505630	-0.986838340	-0.9857492300	-0.98799640
## 9	0.1610410000	-0.989369780	-0.990914460	-0.9899020200	-0.99070265
## 10	0.1773754800	-0.984524360	-0.980263790	-0.9771521300	-0.98571654
## 11	-0.1164917600	-0.985250700	-0.980247760	-0.9771880700	-0.98571654
## 12	-0.3345880200	-0.994286710	-0.995633740	-0.9956132000	-0.99574306
## 13	-0.1439992300	-0.996308090	-0.997387970	-0.9970481400	-0.99776181
## 14	-0.0075682460	-0.997672460	-0.998414650	-0.9981836800	-0.99853329
## 15	-0.1469895000	-0.840506080	-0.882544000	-0.8714345000	-0.89525167
## 16	-0.0758225720	-0.931278330	-0.923089610	-0.9059759800	-0.95385803
## 17	-0.3434576900	-0.972364430	-0.981893230	-0.9823475700	-0.98187601
## 18	-0.1816856600	-0.980489500	-0.988677710	-0.9865715000	-0.99031305
## 19	-0.2244497400	-0.988568970	-0.993882860	-0.9933126400	-0.99371588
## 20	-0.2000887600	-0.993472000	-0.995284370	-0.9945770900	-0.99595335
## 21	-0.2340211900	-0.996982740	-0.999001440	-0.9988442900	-0.99894971
## 22	0.0978928070	-0.997073630	-0.998432420	-0.9983163500	-0.99803535
## 23	-0.0880339180	-0.997622270	-0.997969070	-0.9976787800	-0.99803535
## 24	-0.3532353400	-0.997361980	-0.997723600	-0.9971923400	-0.99841441
## 25	-0.0145212450	-0.995698790	-0.997353090	-0.9965659900	-0.99841441
## 26	0.1037209100	-0.995266310	-0.996167020	-0.9959377000	-0.99668897
## 27	0.0961370780	-0.995826150	-0.995794620	-0.9956030300	-0.99668897
## 28	-0.0791182060	-0.873880100	-0.969767950	-0.9707557100	-0.93837213
## 29	0.1746519600	-0.895202710	-0.952744530	-0.9422317000	-0.95495767
## 30	-0.0675969520	-0.940965670	-0.954165230	-0.9459351900	-0.96533655
## 31	-0.5266571300	-0.681908450	-0.271364540	-0.1069492500	-0.62321973
## 32	-0.4278029000	-0.592879870	-0.357014170	-0.2634400200	-0.62321973
## 33	-0.2824538900	-0.853617420	-0.810636040	-0.7947640800	-0.85609561
## 34	-0.1663872300	-0.936177510	-0.967117240	-0.9639588900	-0.95467741
## 35	-0.0352047840	-0.963854230	-0.975098820	-0.9702368900	-0.98044952
## 36	-0.1913383900	-0.984304760	-0.986889860	-0.9850970100	-0.99030212
## 37	0.1528509600	-0.993888440	-0.993774200	-0.9925275300	-0.99552249
## 38	0.0130176160	-0.996631240	-0.996316760	-0.9962066700	-0.99552249
## 39	0.1669768400	-0.626075130	-0.836599350	-0.8009948200	-0.83570156
## 40	-0.0551015210	-0.788145220	-0.827689480	-0.7973296500	-0.87338068
## 41	-0.4425845100	-0.921598190	-0.892400400	-0.8700175100	-0.93651433
## 42	-0.1661938400	-0.982388200	-0.976539200	-0.9737730200	-0.98148041
## 43	0.0159343600	-0.985339980	-0.986211490	-0.9840902300	-0.98888279
## 44	-0.2249968900	-0.980753580	-0.989282270	-0.9882096500	-0.98888279
## 45	-0.2329777500	-0.988324570	-0.990262810	-0.9887446700	-0.99253195
## 46	-0.3240585700	-0.993564220	-0.994671420	-0.9937695600	-0.99607679

## 47	-0.4287861700	-0.994658560	-0.994460940	-0.9933222600	-0.99607679
## 48	0.3669052500	-0.995525740	-0.996520940	-0.9959170500	-0.99684024
## 49	0.4545768600	-0.995042930	-0.996372140	-0.9958239300	-0.99684024
## 50	0.2721183100	-0.994410550	-0.995574570	-0.9949815900	-0.99491650
## 51	0.0140973170	-0.993670300	-0.994287910	-0.9943452100	-0.99260973
## 52	0.6223954200	-0.777561780	-0.811648440	-0.7796165000	-0.83111325
## 53	-0.0266745110	-0.915218960	-0.898603960	-0.8798764500	-0.93711704
## 54	-0.1763693200	-0.973400950	-0.972910510	-0.9706287200	-0.97761136
## 55	0.0347763160	-0.982099080	-0.993051540	-0.9918595100	-0.99263477
## 56	-0.1097905900	-0.984412520	-0.994448230	-0.9937891400	-0.99282655
## 57	0.2017292900	-0.988145490	-0.996219720	-0.9958992600	-0.99581415
## 58	0.4085372200	-0.992512940	-0.993948180	-0.9921438200	-0.99619840
## 59	-0.2600994500	-0.995989300	-0.997748730	-0.9975900100	-0.99719682
## 60	-0.2567433900	-0.996831710	-0.998042380	-0.9976434100	-0.99746026
## 61	-0.2009405300	-0.997056250	-0.998527080	-0.9981519600	-0.99865470
## 62	-0.4163761300	-0.996619330	-0.999044180	-0.9988274500	-0.99917752
## 63	-0.2492673000	-0.996240040	-0.998006310	-0.9977036000	-0.99806364
## 64	-0.2001908000	-0.995952830	-0.997179530	-0.9966976900	-0.99806364
## 65	-0.5893854600	-0.607384400	-0.799336510	-0.8113406400	-0.75201682
## 66	-0.1030663000	-0.751969170	-0.844587640	-0.8155010300	-0.86931148
## 67	0.1135349100	-0.599101830	-0.210745930	-0.3122949800	-0.25142193
## 68	0.0488787160	-0.547093370	-0.237494210	-0.3615349500	-0.25142193
## 69	-0.2798866800	-0.801574670	-0.759332080	-0.7495425900	-0.80676861
## 70	0.0808315910	-0.715739090	-0.437826080	-0.4868815800	-0.26647137
## 71	0.0676508700	-0.401129810	0.273406120	0.0288607310	0.16937681
## 72	-0.0737984000	-0.484206220	0.258386250	-0.0257546100	0.16937681
## 73	-0.6813630700	-0.733580550	-0.718563380	-0.7463058600	-0.72925907
## 74	-0.2909246600	-0.792010160	-0.907064930	-0.8931741000	-0.90541070
## 75	-0.1791103200	-0.876342720	-0.913343790	-0.8938481200	-0.93014783
## 76	0.1604910700	-0.951215360	-0.938294040	-0.9220669100	-0.96634103
## 77	-0.1423000700	-0.987370970	-0.980355990	-0.9815716000	-0.98272489
## 78	-0.2388992400	-0.992047650	-0.993634060	-0.9922660400	-0.99463902
## 79	0.4962580800	-0.034395601	-0.168186260	-0.0624192520	-0.38259533
## 80	0.6309566200	-0.140938230	-0.216055180	-0.0812561660	-0.41989844
## 81	0.4241485200	-0.094593563	-0.290847390	-0.1895768500	-0.46008366
## 82	-0.0038249083	-0.049340623	-0.090123903	-0.0123999660	-0.22641047
## 83	-0.1342786200	-0.021410464	-0.044636319	0.0773735430	-0.22641047
## 84	0.0311425050	-0.138875310	-0.167307550	-0.0316795240	-0.35986715
## 85	0.4755458800	-0.196389870	-0.256099660	-0.1390797600	-0.38505137
## 86	0.4441117800	-0.146382510	-0.249081290	-0.1598558700	-0.34680107
## 87	0.1450151300	-0.214722040	-0.227929350	-0.1170125000	-0.39781524
## 88	0.3770378400	-0.178794540	-0.253423870	-0.1069812200	-0.39781524
## 89	0.1438304800	-0.186565460	-0.284364340	-0.1344854300	-0.45615375
## 90	0.0002960504	-0.162954120	-0.254478010	-0.1398799200	-0.35089504
## 91	0.0581714160	-0.075164913	-0.207691790	-0.0971573320	-0.35089504
## 92	0.2946969500	-0.099273959	-0.168998040	-0.0392448160	-0.33702763
## 93	0.2368233700	-0.153659650	-0.264578530	-0.1552604100	-0.33702763
## 94	0.0009323857	-0.124089310	-0.214310240	-0.1173257600	-0.30519613
## 95	0.1711214800	-0.126386650	-0.113015520	0.0244277030	-0.30519613
## 96	0.1591295100	-0.123044220	-0.124993180	0.0160425930	-0.33512691

## 97	0.0805559850	-0.091700752	-0.099522253	0.0393138450	-0.33252817
## 98	0.1961503400	-0.135993970	-0.142689620	-0.0187816960	-0.33252817
## 99	-0.1649086500	-0.039073593	-0.261322790	-0.1448450000	-0.34987428
## 100	-0.1519710400	-0.129628640	-0.235474140	-0.1088393200	-0.41358068
## 101	-0.3335907200	-0.192946220	-0.229352320	-0.1160476700	-0.41311593
## 102	-0.0806482070	-0.112013610	-0.138185320	-0.0075761866	-0.31693594
## 103	0.4159071900	-0.088644270	-0.115132340	0.0048845233	-0.30494404
## 104	0.5556537600	-0.093538752	-0.111115270	-0.0078416730	-0.30494404
## 105	0.3722867400	-0.141954260	-0.181808990	-0.0659563270	-0.31787601
## 106	-0.2144123700	-0.211465540	-0.242287440	-0.1033017000	-0.39454890
## 107	-0.2556256800	-0.158392680	-0.180438430	-0.0555959120	-0.33786073
## 108	-0.0768083060	-0.113072030	-0.195497830	-0.0679104610	-0.33786073
## 109	0.2015081200	-0.105370890	-0.204713080	-0.0518766100	-0.41253456
## 110	0.2694318200	-0.094159584	-0.149721580	-0.0158530480	-0.24758075
## 111	0.2285245200	-0.129153230	-0.148609950	-0.0391823360	-0.24758075
## 112	0.2058995000	0.080741014	-0.054343677	0.0861742250	-0.26149044
## 113	0.0361309810	-0.088967213	-0.173577130	-0.0540507030	-0.32142041
## 114	0.0735544280	-0.132053540	-0.211740700	-0.1028354100	-0.34274125
## 115	-0.0626838050	-0.114566560	-0.176499820	-0.0597544040	-0.34274125
## 116	-0.1190295200	-0.143820460	-0.148663800	0.0036190911	-0.36741629
## 117	0.2282529600	-0.176352390	-0.215382940	-0.0837478860	-0.36741629
## 118	0.2738314300	-0.198187390	-0.306289200	-0.1930846100	-0.46933464
## 119	-0.0862737050	-0.208456920	-0.259883840	-0.1608095900	-0.35616242
## 120	0.0817502620	-0.245563500	-0.199265900	-0.0955464980	-0.35616242
## 121	0.2632399800	-0.258947690	-0.211654180	-0.1108420700	-0.34884015
## 122	0.2240107400	-0.188040210	-0.227373580	-0.1454664000	-0.34884015
## 123	0.1928171900	-0.084250228	-0.277121250	-0.2224388100	-0.33888524
## 124	0.1824972400	-0.102054540	-0.204400330	-0.1155888200	-0.33888524
## 125	0.3408392600	-0.221462740	-0.111906420	0.0002165599	-0.27561779
## 126	0.1651146400	-0.380148630	-0.456242430	-0.3987684900	-0.48356913
## 127	-0.0299697940	-0.318154100	-0.285041390	-0.2851396000	-0.05750276
## 128	0.2130188100	-0.034722567	-0.039304038	0.0740641130	-0.05750276
## 129	0.2856687900	-0.001720524	-0.143907880	-0.0231504830	-0.30082239
## 130	0.0683338860	-0.207916610	-0.390701520	-0.3202009400	-0.42774369
## 131	0.3339918100	0.008441575	-0.160832840	-0.1047377200	-0.13020738
## 132	0.5879366000	0.069394797	-0.218374370	-0.1955586200	-0.13020738
## 133	0.4069810200	-0.133609780	-0.441985400	-0.3693620200	-0.36715515
## 134	0.3765854900	-0.254896830	-0.391095520	-0.3566012300	-0.36715515
## 135	0.2366091300	-0.066701101	-0.107861380	-0.0181596540	-0.17380204
## 136	0.2250481300	-0.113039590	-0.181948480	-0.0912326420	-0.23290255
## 137	0.2610875600	0.131041710	0.070014431	0.2288546500	-0.20308106
## 138	0.2745315600	0.164313710	0.073314928	0.2287088000	-0.19840814
## 139	-0.0544592720	0.030720346	-0.023868319	0.0274715910	0.05167230
## 140	0.3393945600	0.017206344	0.038888130	0.0455216940	0.05167230
## 141	0.1622363500	-0.008343083	-0.194324130	-0.2225701400	0.02275394
## 142	0.0202819440	-0.078489390	-0.379919650	-0.3540224700	-0.31597181
## 143	-0.1465966800	-0.104457920	-0.262906480	-0.1497247600	-0.38429494
## 144	0.1169591800	-0.115798860	-0.213528860	-0.0895352800	-0.36618966
## 145	0.3273032600	0.110598560	0.048261980	0.1810297200	-0.08284774
## 146	0.3304729800	0.140530660	0.015332393	0.1281821200	-0.08284774

## 147	0.1462413300	-0.014713381	-0.164430390	-0.0781033510	-0.18426195
## 148	-0.3634136000	-0.050395776	-0.195859060	-0.1196671800	-0.33863502
## 149	-0.0541830900	-0.095271912	-0.385440030	-0.3314291700	-0.38537060
## 150	0.1105483300	-0.142730820	-0.409922230	-0.3481405800	-0.46352325
## 151	-0.4429663100	-0.217570190	-0.160708640	-0.0674121340	-0.32727262
## 152	-0.1839345200	-0.282302360	-0.183663320	-0.0415486100	-0.39693962
## 153	-0.4352625600	-0.050825995	0.101300390	0.2290615300	-0.22449039
## 154	-0.3283372500	0.013820270	0.008518332	0.0800312230	-0.22449039
## 155	-0.0482589480	-0.161205300	-0.214250580	-0.1601659300	-0.20298588
## 156	-0.0805329680	-0.234503350	-0.169740760	-0.0715574230	-0.20298588
## 157	-0.2382714400	-0.214704210	-0.158624240	-0.0845175650	-0.29907395
## 158	-0.0730074470	-0.157705580	-0.152147170	-0.0722548930	-0.29907395
## 159	-0.0791425020	-0.217829070	-0.200289010	-0.0610173420	-0.41786854
## 160	0.0734384690	-0.257769720	-0.147183520	0.0047518659	-0.35222100
## 161	0.2705075900	-0.004317202	0.098520781	0.2279385400	-0.17973000
## 162	0.1503223200	0.015006792	0.001209953	0.0954494550	-0.17973000
## 163	0.1178401200	-0.198316510	-0.357036210	-0.2655951700	-0.47240953
## 164	0.2145864400	-0.241127090	-0.293245690	-0.1773175200	-0.47240953
## 165	0.2011651600	-0.216744920	-0.323382560	-0.2385286800	-0.44060106
## 166	-0.2763190900	-0.182911950	-0.345185240	-0.2578202500	-0.44060106
## 167	-0.2982155700	-0.294346770	-0.258686660	-0.1226387700	-0.44995904
## 168	-0.0048127209	-0.072142793	-0.248795220	-0.1087803600	-0.42302224
## 169	0.3868341900	-0.201621080	-0.190550390	-0.0184538020	-0.37617339
## 170	0.3379350500	-0.007828562	0.114369360	0.2598039600	-0.17588780
## 171	-0.3164105400	0.018036168	-0.005496678	0.0691251710	-0.17588780
## 172	-0.1881093300	-0.265857210	-0.359110140	-0.3114625000	-0.39923913
## 173	0.1404782000	-0.316586040	-0.293081370	-0.2225440600	-0.43367590
## 174	0.0090731482	-0.188701310	-0.269182310	-0.1680310700	-0.43367590
## 175	-0.1676181900	-0.162048980	-0.354691980	-0.2869608700	-0.47598246
## 176	-0.1688802800	-0.205894060	-0.354565170	-0.2521298900	-0.44175370
## 177	-0.3172702100	-0.883424990	-0.882089100	-0.8642336300	-0.91200531
##	NA	NA	NA	NA	NA
## 1	-0.99155366	-0.968959080	-0.9992865	-0.9497658200	0.072579035
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## 3	-0.96619294	-0.976317070	-0.9996406	-0.9834544600	-0.222829260
## 4	-0.98168559	-0.982059880	-0.9997679	-0.9839660100	-0.240719220
## 5	-0.98168559	-0.985203730	-0.9998294	-0.9923380200	-0.338699140
## 6	-0.99036050	-0.985894400	-0.9998297	-0.9892783400	-0.244945960
## 7	-0.99317783	-0.985500690	-0.9998151	-0.9796151300	-0.218840780
## 8	-0.99317783	-0.984505630	-0.9998090	-0.9873955500	-0.256580060
## 9	-0.99193469	-0.989369780	-0.9998956	-0.9897375400	-0.377148720
## 10	-0.99193469	-0.984524360	-0.9997757	-0.9771724300	-0.149407830
## 11	-0.99001058	-0.985250700	-0.9997875	-0.9789466700	-0.184287700
## 12	-0.99348434	-0.994286710	-0.9999596	-0.9970525000	-0.611367910
## 13	-0.99695083	-0.996308090	-0.9999781	-0.9967856700	-0.681688780
## 14	-0.99737277	-0.997672460	-0.9999880	-0.9984054700	-0.775183100
## 15	-0.74560010	-0.840506080	-0.9868115	-0.8787296300	0.513096300
## 16	-0.94896306	-0.931278330	-0.9969316	-0.8949333800	0.285463220
## 17	-0.94896306	-0.972364430	-0.9995198	-0.9880913200	-0.236694840
## 18	-0.97867569	-0.980489500	-0.9997426	-0.9847558600	-0.281807510

## 19	-0.98836141	-0.988568970	-0.9998937	-0.9944618400	-0.477322420
## 20	-0.99299314	-0.993472000	-0.9999518	-0.9942160500	-0.554964340
## 21	-0.99299314	-0.996982740	-0.9999847	-0.9986647500	-0.837145750
## 22	-0.99230278	-0.997073630	-0.9999845	-0.9983860700	-0.798475800
## 23	-0.99613799	-0.997622270	-0.9999871	-0.9976016400	-0.772576780
## 24	-0.99613799	-0.997361980	-0.9999853	-0.9968880800	-0.736066650
## 25	-0.99533970	-0.995698790	-0.9999738	-0.9959959200	-0.691858220
## 26	-0.99690271	-0.995266310	-0.9999685	-0.9968759900	-0.646990310
## 27	-0.99690271	-0.995826150	-0.9999719	-0.9960748500	-0.630695020
## 28	-0.81114604	-0.873880100	-0.9926843	-0.9758440500	-0.017026165
## 29	-0.82256369	-0.895202710	-0.9946561	-0.9312682500	0.197732300
## 30	-0.90926131	-0.940965670	-0.9980054	-0.9453008000	0.173546630
## 31	-0.99365450	-0.681908450	-0.8875364	-0.0350991330	0.330924560
## 32	-0.99365450	-0.592879870	-0.8750608	-0.1758756500	0.762665030
## 33	-0.87650551	-0.853617420	-0.9856641	-0.8640693500	0.502774400
## 34	-0.86134038	-0.936177510	-0.9978819	-0.9583339900	0.044427894
## 35	-0.94392516	-0.963854230	-0.9992164	-0.9652539700	-0.007750227
## 36	-0.98772069	-0.984304760	-0.9998059	-0.9848465400	-0.236879670
## 37	-0.99354669	-0.993888440	-0.9999520	-0.9923061300	-0.519097870
## 38	-0.99354669	-0.996631240	-0.9999784	-0.9969409000	-0.713136130
## 39	-0.24098688	-0.626075130	-0.9360456	-0.7824783200	0.680474110
## 40	-0.80421154	-0.788145220	-0.9763284	-0.7805560200	0.810200380
## 41	-0.96630613	-0.921598190	-0.9955430	-0.8450211400	0.478748900
## 42	-0.98201948	-0.982388200	-0.9997142	-0.9777657000	-0.211694300
## 43	-0.98201948	-0.985339980	-0.9998200	-0.9859213800	-0.294021910
## 44	-0.96390662	-0.980753580	-0.9997501	-0.9880497200	-0.333729800
## 45	-0.99632962	-0.988324570	-0.9998798	-0.9878988800	-0.370142920
## 46	-0.99632962	-0.993564220	-0.9999513	-0.9935621100	-0.522421870
## 47	-0.99548896	-0.994658560	-0.9999602	-0.9931947800	-0.542949710
## 48	-0.99548896	-0.995525740	-0.9999711	-0.9955474400	-0.637387450
## 49	-0.99236958	-0.995042930	-0.9999672	-0.9959197800	-0.633580200
## 50	-0.99236958	-0.994410550	-0.9999605	-0.9950311500	-0.606314260
## 51	-0.99142040	-0.993670300	-0.9999513	-0.9953615200	-0.559459430
## 52	-0.71311737	-0.777561780	-0.9735946	-0.7394621200	0.731250020
## 53	-0.95398122	-0.915218960	-0.9952519	-0.8747484700	0.511478760
## 54	-0.96123470	-0.973400950	-0.9994872	-0.9734050900	-0.086295986
## 55	-0.96123470	-0.982099080	-0.9997880	-0.9919320800	-0.466446370
## 56	-0.96877685	-0.984412520	-0.9998326	-0.9937907600	-0.504069100
## 57	-0.98288405	-0.988145490	-0.9998930	-0.9958656200	-0.617966860
## 58	-0.99079543	-0.992512940	-0.9999396	-0.9897888400	-0.526136080
## 59	-0.99374856	-0.995989300	-0.9999765	-0.9982392700	-0.734939270
## 60	-0.99374856	-0.996831710	-0.9999825	-0.9972329100	-0.774124190
## 61	-0.99459752	-0.997056250	-0.9999845	-0.9977944700	-0.781641410
## 62	-0.99459752	-0.996619330	-0.9999824	-0.9987581400	-0.820781070
## 63	-0.99058837	-0.996240040	-0.9999786	-0.9981824800	-0.764485310
## 64	-0.99746642	-0.995952830	-0.9999753	-0.9968169900	-0.671737320
## 65	-0.14341513	-0.607384400	-0.9281587	-0.8682906200	0.665861950
## 66	-0.64873824	-0.751969170	-0.9698966	-0.7946577300	0.675920240
## 67	-0.64873824	-0.599101830	-0.8502692	-0.6031732500	0.702297060
## 68	-0.80702600	-0.547093370	-0.8366659	-0.6413735600	0.821366650

## 69	-0.98427857	-0.801574670	-0.9750295	-0.7492317500	0.769347090
## 70	-0.98427857	-0.715739090	-0.9239069	-0.6261098500	0.803919000
## 71	-0.89866955	-0.401129810	-0.6377623	-0.4556280100	0.850391250
## 72	-0.89866955	-0.484206220	-0.6820440	-0.4479009500	0.811908740
## 73	-0.84577603	-0.733580550	-0.9586773	-0.8661596800	0.651842560
## 74	-0.60107184	-0.792010160	-0.9797934	-0.8657672600	0.462455620
## 75	-0.83003252	-0.876342720	-0.9920579	-0.8876922400	0.425441280
## 76	-0.98916465	-0.951215360	-0.9982763	-0.9056581500	0.227142800
## 77	-0.99452367	-0.987370970	-0.9998203	-0.9890206400	-0.245760590
## 78	-0.99452367	-0.992047650	-0.9999341	-0.9904133300	-0.482705450
## 79	-0.48674233	-0.034395601	-0.5135152	-0.1010419000	0.137033850
## 80	-0.56520385	-0.140938230	-0.6059295	0.0528563160	0.267017580
## 81	-0.68527229	-0.094593563	-0.5855884	-0.1622876700	0.272085300
## 82	-0.68527229	-0.049340623	-0.5081953	-0.0688371880	0.299421790
## 83	-0.90587659	-0.021410464	-0.4744439	-0.0259215660	0.200174990
## 84	-0.90587659	-0.138875310	-0.5942961	0.0711137430	0.346926520
## 85	-0.75247175	-0.196389870	-0.6529261	-0.1002829300	0.463208870
## 86	-0.60118907	-0.146382510	-0.6164023	-0.2151450500	0.419669800
## 87	-0.49210335	-0.214722040	-0.6598021	-0.1004039500	0.527979830
## 88	-0.66670556	-0.178794540	-0.6402777	-0.0009637106	0.324584450
## 89	-0.66670556	-0.186565460	-0.6514863	-0.0156648560	0.344832730
## 90	-0.66565258	-0.162954120	-0.6293309	-0.1900576300	0.424301110
## 91	-0.66565258	-0.075164913	-0.5544524	-0.0658786810	0.172460700
## 92	-0.58318833	-0.099273959	-0.5650524	-0.0082690914	0.209175810
## 93	-0.65302260	-0.153659650	-0.6246136	-0.1712054900	0.339285420
## 94	-0.65302260	-0.124089310	-0.5931729	-0.1892305800	0.375292510
## 95	-0.69873006	-0.126386650	-0.5731076	0.0737180270	0.416485790
## 96	-0.69873006	-0.123044220	-0.5733360	0.1008622200	0.429404700
## 97	-0.50210241	-0.091700752	-0.5437852	0.1292627100	0.385569860
## 98	-0.55009947	-0.135993970	-0.5868411	-0.0310064030	0.512359510
## 99	-0.59835453	-0.039073593	-0.5361373	-0.1100061100	0.115459280
## 100	-0.59835453	-0.129628640	-0.6014946	-0.0755060500	0.235669520
## 101	-0.68155649	-0.192946220	-0.6453640	-0.1228148500	0.438675020
## 102	-0.68155649	-0.112013610	-0.5680189	0.0020325514	0.334383230
## 103	-0.70108892	-0.088644270	-0.5450057	0.0316575600	0.312194010
## 104	-0.70108892	-0.093538752	-0.5478650	-0.0891204010	0.375292510
## 105	-0.69614163	-0.141954260	-0.5996186	-0.0996071510	0.346926520
## 106	-0.60758219	-0.211465540	-0.6604496	-0.0196207900	0.391933260
## 107	-0.53337330	-0.158392680	-0.6111874	-0.0151677370	0.344102460
## 108	-0.41630661	-0.113072030	-0.5810873	0.0339570980	0.265499850
## 109	-0.32489611	-0.105370890	-0.5771607	0.0906813310	0.210271400
## 110	-0.35211950	-0.094159584	-0.5569683	0.0638122980	0.249896070
## 111	-0.41974257	-0.129153230	-0.5831049	0.0600068100	0.370741180
## 112	0.07126498	0.080741014	-0.3876161	0.1627839500	0.106270050
## 113	-0.36068258	-0.088967213	-0.5581054	-0.0838286690	0.301099390
## 114	-0.81622450	-0.132053540	-0.5985464	-0.1020120400	0.372381450
## 115	-0.81622450	-0.114566560	-0.5782367	0.0249545220	0.316381600
## 116	-0.64849678	-0.143820460	-0.5938658	0.0558343980	0.317464320
## 117	-0.73899672	-0.176352390	-0.6310853	-0.0776023710	0.422033100
## 118	-0.73899672	-0.198187390	-0.6634286	-0.1717672600	0.474153990

## 119	-0.47087445	-0.208456920	-0.6618196	-0.1845019500	0.535620940
## 120	-0.48789051	-0.245563500	-0.6741713	-0.1080032700	0.596488270
## 121	-0.60413678	-0.258947690	-0.6852017	-0.0328691110	0.543373960
## 122	-0.60413678	-0.188040210	-0.6415998	-0.1569317900	0.506241310
## 123	-0.57303224	-0.084250228	-0.5750695	-0.2764153500	0.383929590
## 124	-0.63150123	-0.102054540	-0.5745745	-0.1439263300	0.374663060
## 125	-0.79157426	-0.221462740	-0.6395271	-0.0004154508	0.530073630
## 126	-0.69608266	-0.380148630	-0.7971985	-0.3981533100	0.858032350
## 127	-0.69608266	-0.318154100	-0.7351713	-0.3656663800	0.839405080
## 128	-0.51167478	-0.034722567	-0.4841068	-0.0131464200	0.290821010
## 129	-0.21415143	-0.001720524	-0.4810352	-0.0787368310	0.163459880
## 130	-0.50650484	-0.207916610	-0.6841617	-0.3790813700	0.574299040
## 131	-0.50650484	0.008441575	-0.4760740	-0.1959397800	0.180101800
## 132	-0.23385172	0.069394797	-0.4343591	-0.3278661300	0.011496604
## 133	0.25833543	-0.133609780	-0.6395615	-0.3786405300	0.459374500
## 134	-0.23252045	-0.254896830	-0.7148878	-0.4384421600	0.687266600
## 135	-0.41511202	-0.066701101	-0.5261745	-0.1270768800	0.341379220
## 136	-0.22145866	-0.113039590	-0.5782377	-0.0732827080	0.475014130
## 137	-0.72534632	0.131041710	-0.3082706	0.1655678600	0.076594628
## 138	-0.72534632	0.164313710	-0.2749936	0.1094501000	-0.004271337
## 139	-0.31622974	0.030720346	-0.4248735	-0.1163597800	0.228028420
## 140	-0.31622974	0.017206344	-0.4203719	-0.1225765100	0.327460540
## 141	0.26854702	-0.008343083	-0.4973893	-0.4182222300	0.371837830
## 142	-0.18115382	-0.078489390	-0.5883366	-0.4942281300	0.435322840
## 143	-0.54294186	-0.104457920	-0.5879299	-0.0730570230	0.391117170
## 144	-0.54294186	-0.115798860	-0.5868234	-0.0866418470	0.324003210
## 145	-0.44639763	0.110598560	-0.3336105	0.2894843400	0.030122374
## 146	-0.44639763	0.140530660	-0.3137743	0.0709299810	0.057858910
## 147	-0.32546927	-0.014713381	-0.4964254	-0.1835616200	0.240101730
## 148	-0.32546927	-0.050395776	-0.5323302	-0.1931463800	0.278592280
## 149	-0.17490851	-0.095271912	-0.6022162	-0.4185594200	0.452824900
## 150	-0.17490851	-0.142730820	-0.6414940	-0.4978181100	0.625260400
## 151	-0.98166536	-0.217570190	-0.6477778	-0.0622817270	0.570433530
## 152	-0.77148067	-0.282302360	-0.6938995	-0.0125360030	0.563526510
## 153	-0.73934821	-0.050825995	-0.4599594	0.2606022500	0.319835110
## 154	-0.73146860	0.013820270	-0.4312715	-0.1183366700	0.406118820
## 155	-0.67267890	-0.161205300	-0.6201690	-0.2446775800	0.491530000
## 156	-0.69451461	-0.234503350	-0.6608446	-0.0553420030	0.488076490
## 157	-0.69451461	-0.214704210	-0.6454200	-0.1934207800	0.571844580
## 158	-0.40209219	-0.157705580	-0.6046349	-0.1597755800	0.509694820
## 159	-0.63793816	-0.217829070	-0.6562860	-0.0369949380	0.488076490
## 160	-0.61701539	-0.257769720	-0.6708632	0.0687879200	0.541168250
## 161	-0.44522532	-0.004317202	-0.4223814	0.0927356650	0.243555240
## 162	-0.42185801	0.015006792	-0.4321366	-0.0802802740	0.218293520
## 163	-0.71272543	-0.198316510	-0.6722416	-0.3052424600	0.530868300
## 164	-0.71272543	-0.241127090	-0.6895327	-0.1776230000	0.561432720
## 165	-0.65774031	-0.216744920	-0.6789290	-0.2625193600	0.573092370
## 166	-0.60482237	-0.182911950	-0.6596776	-0.2477936100	0.495486220
## 167	-0.63295660	-0.294346770	-0.7162023	-0.0233923110	0.531602380
## 168	-0.54942834	-0.072142793	-0.5602321	-0.0139618090	0.115748710

## 169	-0.75153833	-0.201621080	-0.6433962	0.1338854700	0.369115750
## 170	-0.75153833	-0.007828562	-0.4208398	0.1860921400	0.211269600
## 171	-0.08515727	0.018036168	-0.4312437	-0.1359806700	0.355739530
## 172	-0.54673579	-0.265857210	-0.7166297	-0.3788257300	0.692238770
## 173	-0.54673579	-0.316586040	-0.7357316	-0.3336160400	0.683813090
## 174	-0.40524565	-0.188701310	-0.6501358	-0.2468619600	0.514960460
## 175	-0.01291505	-0.162048980	-0.6466120	-0.3206881200	0.588486500
## 176	-0.30064180	-0.205894060	-0.6769655	-0.1494339000	0.539525150
## 177	-0.89243506	-0.883424990	-0.9919555	-0.8611511400	0.508740170
##	NA	NA	NA	NA	NA
## 1	0.5725114200	-0.738602190	0.212577760	0.4334049500	-0.9942478
## 2	-0.2253173800	-0.017059623	0.155777240	0.0825752080	-0.9951232
## 3	-0.2268309300	0.059680819	0.061476177	0.0417021260	-0.9934032
## 4	-0.2019850100	0.054711916	0.110071560	-0.0794225930	-0.9955022
## 5	-0.2369925700	0.093820007	0.023332720	0.0390389760	-0.9958076
## 6	-0.1726625300	-0.007801159	0.095891245	0.0697559560	-0.9952748
## 7	-0.0992591220	-0.091254239	0.196340640	-0.0113179020	-0.9937188
## 8	-0.0535556390	-0.126589960	0.227078400	-0.0643883450	-0.9942907
## 9	-0.0936973880	0.062756526	-0.110989530	0.1157817900	-0.9958495
## 10	-0.1562922000	0.117166240	-0.099525400	0.0709650890	-0.9897993
## 11	-0.0688815740	-0.026641108	0.138314540	-0.1429914100	-0.9912612
## 12	0.3509023200	-0.472024220	0.516623870	-0.4154633400	-0.9977610
## 13	0.2628139800	-0.332948780	0.395177500	-0.3984873700	-0.9986015
## 14	0.2921354200	-0.275355050	0.184877530	-0.2097283700	-0.9983345
## 15	-0.1392244400	-0.048703944	-0.043866658	0.3411440300	-0.9914491
## 16	-0.2581495900	0.187301010	-0.253422630	0.2989976100	-0.9968019
## 17	-0.1759099000	0.097815091	-0.126262400	0.1627305300	-0.9969056
## 18	-0.0480305660	-0.089795689	0.087035260	0.0540922700	-0.9970015
## 19	-0.0635739130	-0.119038910	0.208811960	-0.0453045700	-0.9980807
## 20	0.0927706000	-0.187528430	0.037083444	0.1644997300	-0.9986959
## 21	0.4429120800	-0.427578050	0.257022650	-0.2249911300	-0.9984329
## 22	0.4057724000	-0.397953970	0.371947910	-0.4447585100	-0.9981884
## 23	0.3075529800	-0.362035870	0.368370510	-0.3334297500	-0.9985293
## 24	0.4413230100	-0.454993140	0.286861580	-0.1788372600	-0.9983214
## 25	0.3663655800	-0.418274360	0.301189880	-0.1717616300	-0.9974098
## 26	0.2083755500	-0.368599690	0.421278400	-0.2223703600	-0.9971719
## 27	0.2336613700	-0.291873980	0.246456420	-0.1645271400	-0.9971742
## 28	-0.6447100400	0.684799150	-0.525701460	0.1605685300	-0.9902348
## 29	-0.1113254400	-0.013050729	0.035322091	0.0437508900	-0.9980877
## 30	-0.1733813300	0.040671218	0.020874798	0.0405541060	-0.9988625
## 31	-0.7868637800	0.677759370	-0.363357620	0.1659956500	-0.9175591
## 32	-0.7090899900	0.590791260	-0.325477640	0.1898369700	-0.8887884
## 33	-0.2174539500	0.096247375	-0.030694438	0.0753296150	-0.9660986
## 34	-0.2996303200	0.099986480	0.046009366	0.0780547310	-0.9931470
## 35	0.3177442100	-0.413029460	0.278758690	-0.1117897300	-0.9967949
## 36	0.7165125300	-0.711304030	0.463080400	-0.3787832200	-0.9970314
## 37	0.6051562500	-0.594977840	0.475762490	-0.4745501900	-0.9965865
## 38	0.5541918300	-0.521697680	0.277838880	-0.1558323200	-0.9964865
## 39	-0.2904921500	0.121092920	-0.190699280	0.4273405900	-0.9926913
## 40	-0.4069102900	0.140566370	-0.071655027	0.3780466100	-0.9952965

## 41	-0.2065079500	-0.074240341	0.161168620	0.1646255100	-0.9965889
## 42	0.2580214700	-0.339710620	0.260101530	-0.1621887500	-0.9970724
## 43	0.2210044000	-0.332444250	0.314751040	-0.2057420100	-0.9973482
## 44	0.0280027640	-0.125603910	0.089333250	-0.0002746892	-0.9977953
## 45	0.3712415800	-0.371178670	0.212568760	-0.1938733700	-0.9974850
## 46	0.4131156800	-0.437426400	0.267307500	-0.1655384800	-0.9971289
## 47	0.3379965400	-0.442461210	0.362800210	-0.1780836100	-0.9974587
## 48	0.3018968800	-0.369585360	0.375402190	-0.3239045100	-0.9975804
## 49	0.2619098700	-0.288699190	0.216035420	-0.1777377500	-0.9974714
## 50	0.3636796900	-0.364030730	0.323056480	-0.3724608100	-0.9970611
## 51	0.0900738980	-0.204048860	0.300335450	-0.2308449300	-0.9970486
## 52	-0.4686190800	0.444442930	-0.387646330	0.2365370100	-0.9732644
## 53	-0.2829867800	0.099806166	-0.264996540	0.6083679400	-0.9975084
## 54	-0.0600609190	-0.051199662	0.066023400	-0.0002393424	-0.9977556
## 55	-0.0003360451	-0.100425950	0.146887030	-0.1203613500	-0.9983250
## 56	0.0396890280	-0.142276400	0.016237234	0.1590977800	-0.9989408
## 57	0.1102906800	-0.175193260	0.007333160	0.1370497000	-0.9987064
## 58	0.2107220800	-0.249465920	-0.019469055	0.2129764600	-0.9982823
## 59	0.3154342400	-0.324008930	0.030681773	0.1475528400	-0.9987554
## 60	0.2308778500	-0.251354950	0.130587380	-0.0673051570	-0.9990628
## 61	0.2785966800	-0.314165880	0.200952460	-0.1098558900	-0.9988674
## 62	0.5474716300	-0.615861900	0.411790450	-0.1830787700	-0.9986479
## 63	0.4875093800	-0.552766450	0.399415930	-0.2227102000	-0.9985391
## 64	0.2904780100	-0.270053710	0.142085960	-0.1666841100	-0.9984094
## 65	-0.4729580200	0.427750660	-0.541503080	0.5733197700	-0.9501847
## 66	-0.2857782400	0.060031566	-0.073962298	0.3740276600	-0.9891264
## 67	-0.7554837100	0.635201860	-0.326867110	0.1791799500	-0.8687560
## 68	-0.7612240900	0.656430330	-0.361249340	0.1935235200	-0.8308079
## 69	-0.6873164900	0.644763830	-0.392033920	0.1220728500	-0.9460804
## 70	-0.2473250200	0.055668065	0.071166132	0.1101366200	-0.8710263
## 71	-0.3676584100	0.065948647	0.260219130	-0.0441800940	-0.6756277
## 72	-0.2757316900	-0.030634947	0.329297400	-0.0925294470	-0.7502360
## 73	-0.6723556100	0.665116670	-0.539322250	0.2996744600	-0.9508217
## 74	-0.2318373500	0.139052010	-0.095643388	0.0936272270	-0.9851478
## 75	-0.1284891600	0.071303547	-0.096895329	0.0867225010	-0.9900837
## 76	-0.0343832810	-0.179763570	0.321143820	-0.1626678600	-0.9961971
## 77	0.2171014300	-0.390308050	0.466768470	-0.3079183300	-0.9961236
## 78	0.2241356200	-0.368759170	0.473875050	-0.3764241900	-0.9965365
## 79	0.1102777100	-0.211774280	0.294424530	-0.2624441500	-0.4661497
## 80	0.1692098400	-0.191863060	0.203545160	-0.2563891600	-0.3899198
## 81	0.2377205400	-0.238541050	0.016162243	0.0845705400	-0.3741507
## 82	0.2200043100	-0.164962920	0.032214568	-0.0919013040	-0.2364741
## 83	0.3040239700	-0.283233570	0.278475180	-0.3693140300	-0.2200966
## 84	0.3778543700	-0.424344080	0.391251350	-0.3261462400	-0.3038356
## 85	0.3332631900	-0.372070290	0.298804250	-0.2346637000	-0.3271154
## 86	0.3522469600	-0.365193270	0.320186000	-0.3276050200	-0.3037392
## 87	-0.0015879448	-0.028831011	0.038606806	-0.0801893920	-0.4643463
## 88	0.3389116100	-0.342785500	0.225593700	-0.2024017500	-0.3927762
## 89	0.3998946200	-0.401307310	0.264796340	-0.2258831100	-0.3894135
## 90	0.3446112800	-0.276106670	0.064704075	-0.0942652900	-0.3143304

## 91	0.4093374100	-0.382967570	0.167466060	-0.1055480700	-0.2719825
## 92	0.4489782700	-0.452591430	0.302608780	-0.2326748000	-0.2747823
## 93	0.4857837300	-0.487285090	0.308916110	-0.2287455500	-0.2996404
## 94	0.3333438700	-0.382219350	0.382005140	-0.3526785200	-0.2890987
## 95	0.1676252700	-0.183488470	0.202027460	-0.2475446300	-0.2711544
## 96	0.2486790000	-0.221202660	0.107267370	-0.1231356100	-0.2497903
## 97	0.3345886000	-0.320303330	0.243922110	-0.2630934100	-0.2246535
## 98	0.1828984000	-0.190526110	0.274275640	-0.3979722200	-0.3026735
## 99	0.1758363800	-0.134456370	0.065365432	-0.1746823800	-0.2864583
## 100	0.0981124920	-0.110370580	0.028677683	-0.0127941680	-0.3351580
## 101	0.3853058500	-0.312563740	0.048237558	-0.0248997770	-0.2998284
## 102	0.6472179300	-0.571153370	0.315449560	-0.2845232800	-0.1642771
## 103	0.6277197700	-0.577467290	0.354736920	-0.3122902500	-0.2018006
## 104	0.3400368000	-0.279806130	0.149981410	-0.2214253500	-0.2365622
## 105	0.3737736200	-0.351639080	0.180699070	-0.1394325300	-0.2960481
## 106	0.3122898900	-0.364411930	0.258788320	-0.1308923200	-0.3669457
## 107	0.3181158900	-0.326224220	0.263648630	-0.2559213100	-0.2970367
## 108	0.2244100300	-0.254278660	0.200570170	-0.1661548400	-0.2934721
## 109	0.1579912500	-0.096071645	-0.116198310	0.0953318000	-0.2873888
## 110	0.1764440000	-0.093966243	-0.018781832	-0.1231487600	-0.2528806
## 111	0.1662692600	-0.132385380	0.191351330	-0.3865128400	-0.2902064
## 112	0.3300184400	-0.509097890	0.525613580	-0.2685507100	-0.2464726
## 113	0.4118207900	-0.519217410	0.370930560	-0.1089460200	-0.3654577
## 114	0.3065880000	-0.297821590	0.080190104	0.0133058400	-0.3270002
## 115	0.2271024800	-0.161189820	0.012657524	-0.0901259800	-0.2850545
## 116	0.3139555000	-0.314450990	0.272949070	-0.2999315200	-0.2997406
## 117	0.3553759500	-0.360145520	0.251289310	-0.2158138000	-0.3082006
## 118	0.3328679100	-0.353665830	0.249781680	-0.1937570700	-0.3399016
## 119	0.2317840400	-0.284436310	0.259401120	-0.2067049200	-0.3930977
## 120	0.0511785020	-0.037065890	-0.019045678	-0.0322729170	-0.4115426
## 121	0.1028534200	-0.049216870	-0.054529374	-0.0416950180	-0.4194320
## 122	0.0846742730	-0.035667031	-0.088968294	0.0144499250	-0.3862723
## 123	-0.0006939846	0.052533899	-0.117099880	-0.0279664180	-0.3376773
## 124	0.0124441340	-0.024445168	0.081220163	-0.1961318900	-0.3527251
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## 126	0.4042089600	-0.461408300	0.390876870	-0.2546077800	-0.4592824
## 127	0.5017454400	-0.513210790	0.334300290	-0.1368471100	-0.3650609
## 128	0.4587296600	-0.523499620	0.357382300	-0.1347410000	-0.2760745
## 129	0.2130753100	-0.381068780	0.579998110	-0.5067132100	-0.3312103
## 130	0.1486328300	-0.202005730	0.214793860	-0.1909353100	-0.3689840
## 131	0.3713714500	-0.350437130	0.161269890	-0.1242710700	-0.2615177
## 132	0.4789258700	-0.460127390	0.241278540	-0.1802184500	-0.3010377
## 133	0.3712086500	-0.441161180	0.412939190	-0.3316910500	-0.4158176
## 134	0.3975083500	-0.473480830	0.461828070	-0.3459976300	-0.3864044
## 135	0.5568321200	-0.672101960	0.504068190	-0.1473647300	-0.2170654
## 136	0.3744105900	-0.446775400	0.385726320	-0.2041497100	-0.2600991
## 137	0.2978683400	-0.365320080	0.295859960	-0.1683886500	-0.2204020
## 138	0.1745022800	-0.209667540	0.085115067	0.0207138790	-0.1996211
## 139	0.3531376600	-0.364620240	0.202480160	-0.0900249720	-0.1911278
## 140	0.3908172400	-0.566054890	0.557571220	-0.2639996600	-0.2381760

## 141	0.2657627700	-0.469213880	0.647069440	-0.4743483300	-0.2876153
## 142	-0.0482945850	0.005794620	0.025955808	-0.0576047300	-0.3597811
## 143	-0.0520855540	-0.087254741	0.271113970	-0.2195019600	-0.3562477
## 144	0.1029985100	-0.268169120	0.422531230	-0.2805079300	-0.3410245
## 145	0.4025170000	-0.632013510	0.667648750	-0.3290254000	-0.2828309
## 146	0.4528254900	-0.602944790	0.632959470	-0.4405117300	-0.1735035
## 147	0.2644879600	-0.380826650	0.459599650	-0.3780576300	-0.3256857
## 148	0.1054454800	-0.214366690	0.075761050	0.1772006700	-0.3665851
## 149	0.1704800700	-0.243822510	0.219966570	-0.1350168000	-0.3387479
## 150	-0.0094806812	-0.116439020	0.350041540	-0.4004459700	-0.4326069
## 151	-0.4554252200	0.371053570	-0.015494076	-0.2293674700	-0.5542681
## 152	-0.3631387600	0.256644700	0.107798830	-0.3095658700	-0.5804087
## 153	-0.3871948600	0.270548570	-0.096989421	0.0541929210	-0.6054311
## 154	-0.4979861900	0.394730200	-0.158171530	0.0354305860	-0.5797910
## 155	-0.5472447700	0.495231380	-0.183280920	-0.1033748300	-0.5980851
## 156	-0.4885291500	0.426082870	-0.232639330	0.0742688480	-0.6287900
## 157	-0.2800849000	0.214699580	-0.023272067	-0.1146765200	-0.5606645
## 158	-0.3139174700	0.263686270	-0.052697931	-0.1379932100	-0.5511050
## 159	-0.2451067400	0.106164780	0.236706820	-0.3600209100	-0.5670185
## 160	-0.3605189800	0.185723990	0.227647500	-0.3356607400	-0.5621183
## 161	-0.4592942000	0.306949660	0.009713063	-0.1079745900	-0.5394625
## 162	-0.2945352400	0.164460030	0.041815293	-0.0922943950	-0.5823160
## 163	-0.4070356600	0.323283910	-0.054413872	-0.1338654900	-0.6527377
## 164	-0.2801545700	0.184660620	0.045886299	-0.1637658100	-0.6225299
## 165	-0.2539618800	0.137473250	0.072670444	-0.1398507300	-0.6471948
## 166	-0.1838744600	-0.066017970	0.453833560	-0.4111795600	-0.6716453
## 167	-0.1977738200	-0.016608335	0.334664650	-0.2858737100	-0.6742344
## 168	-0.5065761100	0.478734350	-0.432013270	0.3145679400	-0.6690247
## 169	-0.5021183100	0.453247430	-0.294096450	0.1385013500	-0.6377267
## 170	-0.5540485700	0.512693830	-0.382095590	0.2193389800	-0.6125291
## 171	-0.4210373800	0.361755280	-0.351589050	0.3218801700	-0.6326070
## 172	-0.2621114300	0.207499870	-0.119283930	0.0346509570	-0.6469846
## 173	-0.2768061000	0.208782430	-0.121871530	0.0759933630	-0.6599647
## 174	-0.3911600600	0.352099790	-0.275494550	0.1694939000	-0.6268747
## 175	-0.4341284300	0.405180610	-0.284762320	0.1104320100	-0.6556885
## 176	-0.4020710000	0.302310390	-0.012713278	-0.1655499200	-0.6701324
## 177	0.3744360400	-0.575797070	0.347318950	0.1043175000	-0.9884753
##	NA	NA	NA	NA	NA
## 1	-0.99136761	-0.9931430	-0.98893563	-0.99348603	-0.9942478
## 2	-0.99610164	-0.9958385	-0.99654485	-0.99200604	-0.9951232
## 3	-0.99509104	-0.9948595	-0.99535951	-0.99765184	-0.9934032
## 4	-0.99526660	-0.9953048	-0.99535951	-0.99765184	-0.9955022
## 5	-0.99525804	-0.9963073	-0.99238935	-0.99219267	-0.9958076
## 6	-0.99520498	-0.9960696	-0.99238935	-0.99275370	-0.9952748
## 7	-0.99526950	-0.9949353	-0.99628668	-0.99275370	-0.9937188
## 8	-0.99521070	-0.9950755	-0.99628668	-0.99232373	-0.9942907
## 9	-0.99558830	-0.9958789	-0.99556992	-0.99232373	-0.9958495
## 10	-0.99073520	-0.9907103	-0.99266440	-0.98974543	-0.9897993
## 11	-0.99034063	-0.9904621	-0.99266440	-0.99347850	-0.9912612
## 12	-0.99781536	-0.9976266	-0.99857086	-0.99347850	-0.9977610

## 13	-0.99915139	-0.9989523	-0.99935148	-0.99094803	-0.9986015	-0.9999941
## 14	-0.99915859	-0.9992039	-0.99854535	-0.99835678	-0.9983345	-0.9999929
## 15	-0.98971134	-0.9901280	-0.99087741	-0.98947032	-0.9914491	-0.9999191
## 16	-0.99809793	-0.9981840	-0.99794359	-0.98947032	-0.9968019	-0.9999839
## 17	-0.99779235	-0.9979832	-0.99733932	-0.98870879	-0.9969056	-0.9999839
## 18	-0.99768614	-0.9977719	-0.99733932	-0.99619464	-0.9970015	-0.9999842
## 19	-0.99848741	-0.9984959	-0.99826853	-0.99619464	-0.9980807	-0.9999909
## 20	-0.99967043	-0.9995513	-0.99937305	-0.99508798	-0.9986959	-0.9999951
## 21	-0.99918860	-0.9991135	-0.99905473	-0.99366851	-0.9984329	-0.9999934
## 22	-0.99867706	-0.9985339	-0.99905473	-0.99366851	-0.9981884	-0.9999916
## 23	-0.99891331	-0.9988192	-0.99913146	-0.99191487	-0.9985293	-0.9999934
## 24	-0.99893826	-0.9990340	-0.99863704	-0.99191487	-0.9983214	-0.9999926
## 25	-0.99890363	-0.9989063	-0.99863704	-0.98850940	-0.9974098	-0.9999883
## 26	-0.99868261	-0.9985012	-0.99857415	-0.98812820	-0.9971719	-0.9999868
## 27	-0.99829940	-0.9981975	-0.99794746	-0.99544543	-0.9971742	-0.9999862
## 28	-0.98011390	-0.9834393	-0.98229709	-0.99107502	-0.9902348	-0.9998490
## 29	-0.99875192	-0.9987556	-0.99826521	-0.99474147	-0.9980877	-0.9999913
## 30	-0.99918640	-0.9991389	-0.99934318	-0.99731581	-0.9988625	-0.9999952
## 31	-0.83220576	-0.8249708	-0.87551242	-0.99731581	-0.9175591	-0.9924592
## 32	-0.85172027	-0.8543253	-0.87551242	-0.99329070	-0.8887884	-0.9914815
## 33	-0.94714080	-0.9511167	-0.94049869	-0.99286396	-0.9660986	-0.9989674
## 34	-0.98932118	-0.9909509	-0.98641700	-0.99286396	-0.9931470	-0.9999319
## 35	-0.99571251	-0.9965262	-0.99572442	-0.99042252	-0.9967949	-0.9999789
## 36	-0.99591487	-0.9968687	-0.99521044	-0.99271209	-0.9970314	-0.9999807
## 37	-0.99598442	-0.9965394	-0.99521044	-0.99271209	-0.9965865	-0.9999784
## 38	-0.99617057	-0.9964699	-0.99545361	-0.99398167	-0.9964865	-0.9999783
## 39	-0.99356814	-0.9938155	-0.99235043	-0.98349555	-0.9926913	-0.9999448
## 40	-0.99563264	-0.9964689	-0.99505336	-0.98761012	-0.9952965	-0.9999698
## 41	-0.99663743	-0.9969307	-0.99666076	-0.99079221	-0.9965889	-0.9999799
## 42	-0.99584487	-0.9962206	-0.99666076	-0.99500827	-0.9970724	-0.9999807
## 43	-0.99701870	-0.9972691	-0.99700225	-0.99500827	-0.9973482	-0.9999847
## 44	-0.99844111	-0.9985040	-0.99835906	-0.99227633	-0.9977953	-0.9999895
## 45	-0.99754577	-0.9980597	-0.99613521	-0.99179903	-0.9974850	-0.9999864
## 46	-0.99714750	-0.9977097	-0.99613521	-0.99179903	-0.9971289	-0.9999839
## 47	-0.99810576	-0.9983616	-0.99748155	-0.98819650	-0.9974587	-0.9999873
## 48	-0.99822544	-0.9982730	-0.99719212	-0.99596060	-0.9975804	-0.9999881
## 49	-0.99793913	-0.9979759	-0.99719212	-0.99596060	-0.9974714	-0.9999871
## 50	-0.99769576	-0.9976692	-0.99786299	-0.99519529	-0.9970611	-0.9999846
## 51	-0.99682107	-0.9969715	-0.99745405	-0.99158318	-0.9970486	-0.9999828
## 52	-0.94034612	-0.9473641	-0.94909332	-0.98697113	-0.9732644	-0.9990062
## 53	-0.99865538	-0.9988011	-0.99811244	-0.99076240	-0.9975084	-0.9999884
## 54	-0.99842692	-0.9985412	-0.99811244	-0.99149975	-0.9977556	-0.9999893
## 55	-0.99869506	-0.9986784	-0.99881622	-0.99437824	-0.9983250	-0.9999923
## 56	-0.99912404	-0.9993182	-0.99848779	-0.99437824	-0.9989408	-0.9999954
## 57	-0.99919122	-0.9993254	-0.99848779	-0.99435866	-0.9987064	-0.9999945
## 58	-0.99872606	-0.9989598	-0.99728056	-0.99274152	-0.9982823	-0.9999921
## 59	-0.99867217	-0.9988888	-0.99728056	-0.99274152	-0.9987554	-0.9999940
## 60	-0.99933286	-0.9991582	-0.99905074	-0.99553895	-0.9990628	-0.9999961
## 61	-0.99923411	-0.9990961	-0.99913103	-0.99553895	-0.9988674	-0.9999952
## 62	-0.99869226	-0.9990608	-0.99748058	-0.99516919	-0.9986479	-0.9999936

## 63	-0.99862726	-0.9989179	-0.99748058	-0.99086618	-0.9985391	-0.9999931
## 64	-0.99873700	-0.9987566	-0.99816935	-0.98969026	-0.9984094	-0.9999927
## 65	-0.91945032	-0.9246231	-0.93733670	-0.98404316	-0.9501847	-0.9978022
## 66	-0.98723543	-0.9889398	-0.98505342	-0.98939341	-0.9891264	-0.9998839
## 67	-0.69583753	-0.7469955	-0.68333473	-0.98939341	-0.8687560	-0.9776995
## 68	-0.71704468	-0.7765121	-0.68333473	-0.87504519	-0.8308079	-0.9757178
## 69	-0.92582469	-0.9385506	-0.92053607	-0.96932533	-0.9460804	-0.9978131
## 70	-0.73505633	-0.7908227	-0.67603250	-0.96932533	-0.8710263	-0.9817077
## 71	-0.53941555	-0.6089275	-0.61052195	-0.87732288	-0.6756277	-0.9261050
## 72	-0.54078957	-0.6097482	-0.61052195	-0.99020751	-0.7502360	-0.9414996
## 73	-0.89968023	-0.9134590	-0.91775065	-0.99020751	-0.9508217	-0.9972045
## 74	-0.98501114	-0.9868711	-0.98609699	-0.98593376	-0.9851478	-0.9998229
## 75	-0.98434630	-0.9864463	-0.98609699	-0.99298573	-0.9900837	-0.9998771
## 76	-0.99682330	-0.9969529	-0.99727834	-0.99298573	-0.9961971	-0.9999781
## 77	-0.99674240	-0.9968031	-0.99717127	-0.99258315	-0.9961236	-0.9999775
## 78	-0.99682352	-0.9968190	-0.99687958	-0.99069092	-0.9965365	-0.9999800
## 79	-0.43365401	-0.4757336	-0.46833824	-0.59944186	-0.4661497	-0.8443428
## 80	-0.43898407	-0.4825932	-0.48749004	-0.76484791	-0.3899198	-0.8146959
## 81	-0.41803191	-0.4826810	-0.44653953	-0.76484791	-0.3741507	-0.8037966
## 82	-0.22944178	-0.3055795	-0.23938684	-0.53265475	-0.2364741	-0.6935254
## 83	-0.21277224	-0.2894471	-0.23938684	-0.70597466	-0.2200966	-0.6802696
## 84	-0.37442998	-0.4215599	-0.38123606	-0.70597466	-0.3038356	-0.7622425
## 85	-0.42371876	-0.4374817	-0.41473670	-0.54804284	-0.3271154	-0.7834507
## 86	-0.37066839	-0.3871146	-0.32041100	-0.63652429	-0.3037392	-0.7613974
## 87	-0.46330737	-0.5136378	-0.43962213	-0.51484620	-0.4643463	-0.8491970
## 88	-0.43292775	-0.4659781	-0.43962213	-0.82360017	-0.3927762	-0.8147625
## 89	-0.46969061	-0.4850978	-0.51677359	-0.82360017	-0.3894135	-0.8201475
## 90	-0.41836589	-0.4663177	-0.43879456	-0.23456612	-0.3143304	-0.7763026
## 91	-0.35678785	-0.4100591	-0.40875694	-0.51087945	-0.2719825	-0.7425319
## 92	-0.28557360	-0.3102997	-0.34082759	-0.77540209	-0.2747823	-0.7276227
## 93	-0.34351191	-0.3789516	-0.34082759	-0.77540209	-0.2996404	-0.7534854
## 94	-0.35180971	-0.4150689	-0.24198396	-0.79996123	-0.2890987	-0.7500916
## 95	-0.29102630	-0.3464810	-0.24198396	-0.79996123	-0.2711544	-0.7270822
## 96	-0.25113264	-0.2906401	-0.31393076	-0.65849491	-0.2497903	-0.7061662
## 97	-0.19401136	-0.2490806	-0.23557646	-0.65849491	-0.2246535	-0.6777090
## 98	-0.30304085	-0.3617147	-0.23557646	-0.55089401	-0.3026735	-0.7457179
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## 102	-0.12044922	-0.1598875	-0.24798729	-0.54293385	-0.1642771	-0.6226498
## 103	-0.16298274	-0.1987165	-0.24798729	-0.64122359	-0.2018006	-0.6564835
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## 5	-0.9964837	-0.72017068	0.331858440	-0.2605620300	-0.145664640	-0.0073
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## 6	-0.9961068	-0.75109221	0.178759930	-0.1814448900	0.049574642	-0.1688
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## 7	-0.9936228	-0.68125693	0.264598000	-0.2548618000	0.202742470	-0.3651
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## 10	-0.9896253	-0.46620434	0.548098420	-0.3291289700	-0.249580360	-0.0818
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## 16	-0.9982958	-0.80907846	0.680049030	-0.4324071700	-0.062888979	-0.2873
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## 17	-0.9980217	-0.83107741	0.525129070	-0.3560418100	0.227760710	-0.5401

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## 19	-0.9989592	-0.84878249	0.592809430	-0.6300118100	-0.059032547	0.1511
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## 20	-0.9994095	-0.97273065	0.675475020	-0.4200803400	-0.084506646	-0.2921
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## 21	-0.9986976	-0.92316873	0.694508870	-0.3433161300	-0.088755549	-0.4389
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## 37	-0.9974110	-0.69775236	0.346109280	-0.4026492100	-0.251763800	0.3571
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## 38	-0.9970946	-0.70424641	0.497238620	-0.5440513400	0.051459258	0.0785
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## 40	-0.9975800	-0.76668882	0.221894590	-0.3949408600	0.118247600	0.0858
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## 41	-0.9970424	-0.75461372	0.106427820	-0.3361050400	0.077192798	0.1895
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## 42	-0.9971965	-0.70446403	0.428399470	-0.5271952900	-0.095407502	0.3010

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## 43	-0.9974279	-0.76874471	0.660009430	-0.5315617000	-0.048258510	-0.0859
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## 44	-0.9983878	-0.87063364	0.473060890	-0.4664417400	0.064399776	-0.1130
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## 45	-0.9983345	-0.81873008	0.402049060	-0.5077280500	-0.115483280	0.2941
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## 39	-0.983332640	-0.8991465800	-0.97708524	-0.978452610	-0.8585915200
## 40	-0.989814690	-0.9540931200	-0.99134764	-0.991108460	-0.9295374500
## 41	-0.994435060	-0.9848406000	-0.99008845	-0.995923300	-0.9839212500
## 42	-0.992634360	-0.9857641900	-0.99157404	-0.995251850	-0.9837794400
## 43	-0.994199300	-0.9876598300	-0.99277646	-0.996131170	-0.9790288500
## 44	-0.994983450	-0.9811016000	-0.99061930	-0.994916360	-0.9664373400
## 45	-0.994044020	-0.9854291300	-0.99060927	-0.994990400	-0.9768572100
## 46	-0.994610520	-0.9890901800	-0.99548767	-0.996492810	-0.9886880600
## 47	-0.995583070	-0.9867623600	-0.99486711	-0.997168990	-0.9810549900
## 48	-0.994922590	-0.9875012600	-0.99196132	-0.997236150	-0.9830884600
## 49	-0.994752890	-0.9913502200	-0.99126636	-0.996416870	-0.9860001400
## 50	-0.995278340	-0.9886292200	-0.99509609	-0.996045300	-0.9772429700
## 51	-0.992965240	-0.9842413900	-0.99532656	-0.997433280	-0.9766304200
## 52	-0.926313960	-0.8869484700	-0.92879208	-0.910374890	-0.9056273600
## 53	-0.986874430	-0.9890077400	-0.98337917	-0.983894090	-0.9918461100
## 54	-0.993614770	-0.9942588700	-0.99519692	-0.994362990	-0.9968263000
## 55	-0.995749890	-0.9934525100	-0.99726751	-0.996234960	-0.9964720400
## 56	-0.996511170	-0.9950610100	-0.99473614	-0.996821630	-0.9977321000
## 57	-0.994701590	-0.9956666600	-0.99156425	-0.994922650	-0.9991905400
## 58	-0.994037290	-0.9923765500	-0.99333595	-0.994497390	-0.9956765700
## 59	-0.995690540	-0.9925955100	-0.99203037	-0.996815730	-0.9942085800
## 60	-0.995293950	-0.9897473300	-0.99107413	-0.996749390	-0.9930936500
## 61	-0.993074210	-0.9887966600	-0.99237312	-0.995641170	-0.9918477700
## 62	-0.994804160	-0.9938037300	-0.99248491	-0.995776760	-0.9957850600
## 63	-0.995180200	-0.9938824500	-0.99360666	-0.996580880	-0.9964224800
## 64	-0.993545860	-0.9939895000	-0.99425916	-0.996098440	-0.9960855400
## 65	-0.668604420	-0.7896379800	-0.73499812	-0.658253240	-0.6965821000
## 66	-0.974986790	-0.9541017800	-0.97750397	-0.953116510	-0.8950186800
## 67	-0.741759730	-0.3704741800	-0.54169783	-0.597924080	-0.1578801500
## 68	-0.782548020	-0.3530276500	-0.58238308	-0.593623410	-0.0820212340
## 69	-0.826827650	-0.8045476600	-0.71690557	-0.795287660	-0.7286633600
## 70	-0.777640420	-0.6564147400	-0.74389472	-0.747737720	-0.6570983700
## 71	-0.621679460	0.2631996500	-0.25634415	-0.590777180	0.5628890300
## 72	-0.608389220	0.0290286610	-0.31756454	-0.591637890	-0.0424261010
## 73	-0.906118270	-0.3876160400	-0.72773664	-0.925607660	0.1888508500
## 74	-0.975908390	-0.6846349700	-0.98198090	-0.977881260	-0.5687337400
## 75	-0.981763250	-0.9323466500	-0.98938688	-0.987560860	-0.8858831000
## 76	-0.993567560	-0.9832153400	-0.99346289	-0.996532590	-0.9782760700
## 77	-0.992306580	-0.9881730300	-0.99393740	-0.995796690	-0.9857358000
## 78	-0.991416080	-0.9884550700	-0.99336390	-0.993908790	-0.9904275800

## 79	-0.260904910	-0.1225668000	-0.33121596	-0.356707010	-0.1995671900
## 80	-0.151115250	-0.0290499670	-0.25730713	-0.262197270	-0.0238578470
## 81	-0.230407370	0.0254268520	-0.37731132	-0.293522340	-0.0576931730
## 82	-0.151322880	0.1952672000	-0.32123865	-0.263125570	0.0878553160
## 83	-0.225803630	0.1102884800	-0.20488317	-0.226802270	0.1188010600
## 84	-0.290428680	0.0578222830	-0.24835735	-0.199970710	-0.0620991190
## 85	-0.163562170	-0.0416276980	-0.25329234	-0.263476930	0.0085179170
## 86	-0.187773140	-0.0046568174	-0.26867150	-0.271723760	0.0194942470
## 87	-0.274906800	-0.0623495620	-0.31909457	-0.386570780	-0.0559098780
## 88	-0.236244590	0.1085277100	-0.27465450	-0.273649080	0.0423823330
## 89	-0.205110720	-0.0429373140	-0.33885732	-0.283723780	-0.0006035845
## 90	-0.170747700	0.0185981100	-0.35554991	-0.267590100	0.0333544000
## 91	-0.197113140	-0.0582798260	-0.25261291	-0.202420930	0.1516668900
## 92	-0.236662930	0.0957696160	-0.16416393	-0.143264790	0.1631943500
## 93	-0.213766970	0.1882365000	-0.22944501	-0.206270660	0.1810332400
## 94	-0.140082100	0.1818073400	-0.30269727	-0.254565650	0.0891287600
## 95	-0.160441560	0.1176680900	-0.29040059	-0.223924650	0.0296300750
## 96	-0.145907500	0.1165576300	-0.26081978	-0.293129490	0.0704857480
## 97	-0.217238270	0.1598667100	-0.29537396	-0.339973740	0.0756000860
## 98	-0.199532050	0.0220322110	-0.32765269	-0.440571160	-0.0207286370
## 99	-0.139067240	0.1196943900	-0.27105874	-0.201562900	0.0802205240
## 100	-0.042235154	0.0192724380	-0.28011376	-0.140573120	0.0876268760
## 101	-0.101608180	-0.0378948690	-0.37123480	-0.154684070	0.0114049760
## 102	-0.101386690	0.1414767500	-0.27903807	-0.200368710	0.1562948400
## 103	-0.225387500	0.2631908000	-0.28012234	-0.241885910	0.1237494400
## 104	-0.200940010	0.2820922700	-0.29508969	-0.272283510	0.1828646600
## 105	-0.173248850	0.2344523800	-0.22498748	-0.253568820	0.0856815750
## 106	-0.170905540	0.0037015146	-0.35903494	-0.208988100	-0.0720510010
## 107	-0.171941180	0.1527012300	-0.27350035	-0.209450910	0.0523678830
## 108	-0.160954510	0.2504374500	-0.27857550	-0.283635840	0.2415374600
## 109	-0.238354250	0.2891861100	-0.32518854	-0.288447040	0.1615510400
## 110	-0.164395150	0.1065195100	-0.32709151	-0.352027400	0.1570457600
## 111	-0.237482360	0.1159241300	-0.33195765	-0.343972470	0.0615717650
## 112	-0.136974760	0.1875428100	-0.18079962	-0.195350640	0.1930045300
## 113	-0.140305990	0.0969490710	-0.38204519	-0.256312430	-0.0169567770
## 114	-0.189881890	0.0010569448	-0.32983597	-0.278618800	-0.0023412684
## 115	-0.206561760	-0.0123309670	-0.31315655	-0.261928260	0.0908686410
## 116	-0.182482690	0.1284389300	-0.25421267	-0.236331300	0.0491637600
## 117	-0.153679900	0.0288164600	-0.35171428	-0.240922680	0.0968730460
## 118	-0.189881690	0.0375351600	-0.31970848	-0.293549550	0.0006568535
## 119	-0.318401120	0.0288693280	-0.39401743	-0.424915610	-0.1105205300
## 120	-0.281028500	-0.0795431570	-0.42086097	-0.409840110	-0.1265218300
## 121	-0.278583680	-0.0616958480	-0.34682459	-0.408056660	-0.1531830000
## 122	-0.326420100	0.0471383170	-0.38125886	-0.490079250	-0.0847060990
## 123	-0.234225620	0.0937929420	-0.34629014	-0.428001140	-0.0647880610
## 124	-0.215160260	0.0601245540	-0.25467659	-0.365891620	-0.0558432030
## 125	-0.280431080	-0.1010596600	-0.34445719	-0.418708230	0.0204351150
## 126	-0.248573540	-0.1698128000	-0.48820241	-0.143602100	-0.2496675900
## 127	-0.171551680	-0.1637462700	-0.42169445	0.007006763	-0.1836562800
## 128	-0.148577170	0.0080386219	-0.31528880	-0.074232455	-0.0785509400

## 129	-0.152296570	0.1420275200	-0.30789359	-0.125997700	0.0552003100
## 130	0.018727258	0.0993390360	-0.21460601	0.088544939	-0.0324259650
## 131	0.086303779	0.1476629300	-0.21015915	0.133492570	-0.0218783080
## 132	-0.055009237	0.0410019090	-0.20084382	-0.008942605	-0.1354782600
## 133	-0.129121580	-0.1919411800	-0.23693541	-0.020483967	-0.3266215000
## 134	-0.103587630	-0.1481513100	-0.26134633	-0.049114098	-0.2833012100
## 135	0.217069980	0.1905177600	0.16518534	0.083777484	-0.0503234520
## 136	0.147713780	0.1300254500	-0.02565410	0.102490470	-0.1109878400
## 137	0.192700330	0.3910825900	-0.11830312	0.060062722	0.1663835500
## 138	0.262793630	0.3492373100	-0.20879168	-0.042123898	0.1376183500
## 139	0.058169860	-0.0485478460	-0.16506860	0.140995830	-0.1123314700
## 140	0.198174050	-0.0346629140	-0.23513046	0.005957387	-0.0698944010
## 141	0.153131080	-0.0805405440	-0.14693913	0.144067300	-0.2556966200
## 142	0.026153823	-0.1717200100	-0.09650277	0.327291590	-0.2841465400
## 143	0.002559478	-0.0696421600	-0.30294416	0.106939960	-0.1717751700
## 144	0.014677668	-0.0787293220	-0.33767480	0.099496176	-0.1692101800
## 145	-0.013751670	0.1420476300	-0.18688863	-0.147161330	0.0167033280
## 146	0.022251610	0.1959375200	-0.19731127	0.027879150	0.0789090680
## 147	0.181672880	0.0003307283	-0.30486593	0.065090081	-0.1205340800
## 148	-0.135547780	-0.1920431900	-0.30973532	-0.006495807	-0.1589464200
## 149	-0.028980821	-0.1758032500	-0.27669012	-0.021517836	-0.2600397900
## 150	0.017364625	-0.1324827900	-0.30341736	0.020096585	-0.3364446900
## 151	-0.416390130	-0.2914366000	-0.36168731	-0.349130570	-0.0671730860
## 152	-0.426280400	-0.3832795900	-0.43699429	-0.334257120	-0.0667572800
## 153	-0.444530000	-0.1108946900	-0.48044247	-0.333008920	-0.0061562148
## 154	-0.427718310	-0.0318087680	-0.34873771	-0.346038220	0.0896901330
## 155	-0.452782870	-0.1129261500	-0.38601337	-0.294119220	-0.0356257960
## 156	-0.371832990	-0.0714978050	-0.41272384	-0.419978760	-0.1479230300
## 157	-0.422895300	-0.1683865800	-0.34817298	-0.400393140	-0.0778979880
## 158	-0.433203370	-0.2906792500	-0.37765783	-0.308807250	-0.1402912200
## 159	-0.308573400	-0.2870818300	-0.42342398	-0.207101760	-0.0425038020
## 160	-0.418923040	-0.3707564000	-0.44740720	-0.280363130	-0.0581782940
## 161	-0.424855240	-0.1753136100	-0.44060852	-0.332176760	0.0756870150
## 162	-0.399588230	-0.2227646100	-0.45162200	-0.346561100	0.0651638910
## 163	-0.424034790	-0.2918662700	-0.47230908	-0.428795400	-0.0966385080
## 164	-0.389627450	-0.1786876300	-0.39731517	-0.434418970	0.0140214620
## 165	-0.503962100	-0.3258196300	-0.50883056	-0.358818140	-0.0510754420
## 166	-0.563092520	-0.4514573100	-0.52128511	-0.390144040	-0.1916191000
## 167	-0.574209100	-0.3848420600	-0.48593649	-0.417729410	-0.1787858900
## 168	-0.496352840	-0.2765199900	-0.47111671	-0.301669830	0.0464179340
## 169	-0.449917010	-0.1670647000	-0.48067901	-0.317396870	0.0827829180
## 170	-0.410751180	-0.0093092233	-0.39943721	-0.391663810	0.1791696600
## 171	-0.465554160	-0.1502428900	-0.35288048	-0.433784030	0.1724649000
## 172	-0.492534420	-0.1238663100	-0.42996221	-0.428761420	0.0112850100
## 173	-0.382711750	-0.1336332700	-0.40896755	-0.509832020	0.0186544430
## 174	-0.329200440	-0.1219479300	-0.34236940	-0.413172110	-0.0439858560
## 175	-0.437783440	-0.3276466100	-0.50814712	-0.333582240	-0.1182834200
## 176	-0.241349530	-0.1811694700	-0.45193372	-0.388561050	-0.2168305200
## 177	-0.980722190	-0.9561302300	-0.91879231	-0.971005680	-0.9211379200
##	NA	NA	NA	NA	NA

## 1	-0.906164980	-0.996888640	-0.984519270	-0.93208200	-0.993756340
## 2	-0.955438110	-0.997889670	-0.976923890	-0.96837677	-0.999371730
## 3	-0.977049320	-0.994097440	-0.971686700	-0.98216914	-0.998158490
## 4	-0.990229110	-0.994546810	-0.982824060	-0.98900729	-0.997403520
## 5	-0.991914960	-0.997724950	-0.982352780	-0.99091458	-0.999277430
## 6	-0.997045920	-0.996604840	-0.989898870	-0.99504830	-0.998597930
## 7	-0.982887310	-0.997508020	-0.971907950	-0.98307681	-0.996957380
## 8	-0.978075860	-0.996037380	-0.973339020	-0.98514797	-0.998346950
## 9	-0.980059890	-0.997362520	-0.970453650	-0.98805648	-0.997173660
## 10	-0.986535570	-0.993345660	-0.971241450	-0.98580244	-0.996913430
## 11	-0.986830430	-0.995048730	-0.973766910	-0.98513139	-0.996465740
## 12	-0.993196990	-0.997786950	-0.988005650	-0.99232900	-0.998099180
## 13	-0.996001700	-0.999193520	-0.988298100	-0.99448895	-0.998868700
## 14	-0.994139200	-0.998607510	-0.990601000	-0.99349789	-0.999951590
## 15	-0.885473510	-0.990107440	-0.886606400	-0.94271506	-0.986489300
## 16	-0.983299380	-0.996131790	-0.980691950	-0.98546623	-0.998872320
## 17	-0.979983270	-0.996174120	-0.984557540	-0.98586494	-0.998196630
## 18	-0.990590320	-0.997138210	-0.989396980	-0.99063072	-0.999012720
## 19	-0.995651620	-0.997124090	-0.992925680	-0.99297864	-0.997898880
## 20	-0.997614400	-0.997098150	-0.992141180	-0.99584462	-0.999204930
## 21	-0.996753870	-0.997706400	-0.994647970	-0.99476183	-0.998528640
## 22	-0.996839960	-0.997190980	-0.991852810	-0.99530128	-0.999552020
## 23	-0.994522930	-0.997382070	-0.989984910	-0.99299471	-0.998509620
## 24	-0.991258090	-0.998510520	-0.988493730	-0.98903757	-0.998943240
## 25	-0.993239500	-0.998500110	-0.989884540	-0.99322615	-0.998586510
## 26	-0.993887500	-0.997111730	-0.988285060	-0.99293560	-0.999308530
## 27	-0.995021860	-0.999369590	-0.993378550	-0.99370967	-0.998716090
## 28	-0.403813290	-0.921148410	-0.415053160	-0.58077331	-0.891528020
## 29	-0.928655700	-0.986376640	-0.929662090	-0.96958137	-0.979401040
## 30	-0.980842310	-0.993661830	-0.958453930	-0.98367126	-0.991669070
## 31	-0.552058380	-0.795228080	-0.750034150	-0.60443473	-0.870396060
## 32	-0.369051400	-0.771364630	-0.660862240	-0.53056327	-0.752931070
## 33	-0.604623500	-0.861354440	-0.737806690	-0.72743795	-0.772293160
## 34	-0.930385510	-0.965719570	-0.881252830	-0.96629462	-0.948456120
## 35	-0.957839630	-0.982771030	-0.976761220	-0.97145539	-0.972264630
## 36	-0.992118130	-0.995078170	-0.995205860	-0.99432548	-0.990986710
## 37	-0.997489620	-0.996371420	-0.995939210	-0.99674402	-0.994747000
## 38	-0.992961660	-0.995245150	-0.993862350	-0.99364201	-0.994847220
## 39	-0.964909360	-0.982859120	-0.902752250	-0.97409917	-0.975670810
## 40	-0.990121320	-0.989181380	-0.951568990	-0.98944550	-0.993140260
## 41	-0.991459550	-0.994652810	-0.989386060	-0.98765741	-0.997176310
## 42	-0.992009550	-0.992876180	-0.988463310	-0.99037067	-0.997349070
## 43	-0.993593900	-0.995315380	-0.987871680	-0.99142200	-0.996854390
## 44	-0.988309120	-0.995218400	-0.982553170	-0.98866276	-0.994596540
## 45	-0.986311970	-0.995093100	-0.986397160	-0.99027064	-0.993742300
## 46	-0.991662110	-0.995061570	-0.991765850	-0.99241927	-0.997969960
## 47	-0.994254550	-0.995793360	-0.988607050	-0.99360142	-0.998113570
## 48	-0.989655450	-0.995793610	-0.988368950	-0.99206525	-0.997892410
## 49	-0.986626950	-0.994783790	-0.992121360	-0.98878306	-0.998230490
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## 51	-0.988738980	-0.996202450	-0.986018070	-0.99475114	-0.998032530
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## 56	-0.995386000	-0.995909950	-0.996327210	-0.99567690	-0.997771020
## 57	-0.992058800	-0.994762540	-0.997614810	-0.99033430	-0.994528460
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## 148	-0.366979810	-0.084494072	-0.103751440	-0.32639963	0.012506152
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## 160	0.024391156	-0.305219000	-0.280781350	-0.25612589	-0.293570410	
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## 83	0.474392890	0.66400301	0.50876953	-0.74193548	-0.73333333	-0.923076
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## 85	0.640452580	0.57767394	0.46167778	-0.61290323	-0.73333333	-0.923076
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## 87	0.529730640	0.53066422	0.38178857	-0.80645161	-0.33333333	-0.923076
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## 88	0.490381890	0.66880980	0.44133872	-0.74193548	-0.73333333	-0.923076
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## 90	0.564467860	0.46821327	0.42661230	-0.74193548	-0.26666667	-0.923076
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## 91	0.455154620	0.54296700	0.42018919	-0.74193548	-0.26666667	-0.923076
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## 98	0.617629600	0.54691415	0.25781171	-0.80645161	-0.80000000	-0.923076
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## 3	0.124531240	-0.064610562	0.082676921	-0.727227320	-0.965419150	
## 4	0.029044377	0.080302267	0.185694680	-0.599117990	-0.908449280	

## 5	0.181089770	0.057987891	0.559786320	-0.676996500	-0.951370740
## 6	0.157383770	0.318835230	0.605599430	-0.631053000	-0.934903070
## 7	0.432263310	0.110410770	0.379586260	-0.321329670	-0.707691670
## 8	0.000771701	-0.122969740	0.157233620	-0.663914510	-0.941592590
## 9	-0.027979677	0.154135230	0.164839290	-0.359865970	-0.725729700
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## 11	0.254522430	0.145805660	0.356001150	-0.448768130	-0.809832870
## 12	-0.079862491	0.285900260	0.592807730	-0.481187270	-0.825431490
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## 14	0.251979660	0.305631470	0.478070120	-0.718743620	-0.978880200
## 15	-0.048520309	-0.108859640	-0.321729440	0.233673300	-0.048397972
## 16	0.035257506	-0.176954130	0.372847820	-0.688308510	-0.956378040
## 17	0.018894579	-0.173779080	0.077119723	-0.605306100	-0.916962910
## 18	0.133031400	0.072583636	0.430647350	-0.701320950	-0.951419230
## 19	0.046132032	0.263345640	0.327178700	-0.573449990	-0.868581470
## 20	-0.020005744	0.212347960	0.465525080	-0.686221870	-0.955864040
## 21	0.090345729	0.357718940	0.408063410	-0.598641670	-0.896080620
## 22	0.126628140	0.441211880	0.556190750	-0.780047450	-0.986359180
## 23	0.097081780	0.433271020	0.412495060	-0.567761110	-0.891178300
## 24	0.182788550	0.295654780	0.195596950	-0.613211110	-0.900090140
## 25	0.215814210	0.303852350	0.360945980	-0.448099710	-0.824916560
## 26	0.082183504	0.306265460	0.556160050	-0.710789810	-0.971645900
## 27	0.408972510	0.471611370	0.477710810	-0.454835250	-0.786045100
## 28	-0.354898410	-0.181464160	-0.124365290	0.507073050	0.277924640
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## 30	-0.039967658	-0.068091694	0.323463040	0.052091594	-0.302379870
## 31	-0.336933090	-0.136361960	-0.270671810	-0.205773710	-0.666265950
## 32	-0.688826820	-0.405454070	-0.985542460	0.233649160	-0.128233850
## 33	-0.193260510	-0.308542860	0.054190525	0.719615240	0.592356420
## 34	-0.378113450	-0.061498425	-0.499064350	0.528699090	0.299071030
## 35	-0.372789540	0.086423859	0.038592924	0.495378390	0.251729360
## 36	-0.348773320	0.335100240	0.285822400	0.336177600	0.079416258
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## 38	-0.116631450	0.351530920	0.246204700	-0.200606640	-0.516144930
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## 42	-0.083038861	0.190729900	0.327612950	-0.682152750	-0.954178050
## 43	0.136091280	0.034563870	0.304579060	-0.442767230	-0.810104760
## 44	-0.125200540	0.164533090	0.201581340	-0.194237500	-0.571932270
## 45	-0.020814968	0.034065020	0.280497250	-0.058266881	-0.344200640
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## 47	0.079523072	0.038019561	0.270158510	-0.664547090	-0.937916170
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## 51	0.394354750	0.087044170	0.381738100	-0.680770550	-0.941907740
## 52	-0.234099950	0.007941230	-0.136077670	0.378034600	0.121342320
## 53	-0.330893840	0.282159370	0.229796330	0.228383470	-0.077214333
## 54	0.068314314	0.483545040	0.507525030	-0.222315800	-0.661822820

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## 56	-0.004917186	0.353775680	0.460722880	-0.531936570	-0.870193730
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## 66	-0.643378300	-0.419317780	0.835380830	0.737054820	0.627932190
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## 71	-0.357483850	-0.350224850	-0.335307260	0.429941730	0.229615730
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## 73	-0.237063820	-0.520658700	-0.037411443	-0.443785110	-0.820608060
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## 75	0.120611080	-0.145732920	0.134222400	-0.409631450	-0.735817050
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## 78	0.183080200	0.269478440	0.542536050	-0.503223990	-0.853301430
## 79	-0.240348280	0.021220418	-0.126705200	-0.441075280	-0.840473530
## 80	-0.283878380	0.071734673	0.278242520	-0.345494180	-0.753141520
## 81	-0.332162900	0.224495850	-0.007875473	-0.208063260	-0.605588940
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## 99	-0.270824820	0.030794718	-0.086579051	-0.225332460	-0.614187390
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## 93	-0.59288680	-0.62245906	-0.9234964	-0.85445934	-0.7976042	-0.97911781
## 94	-0.20555809	-0.62556094	-0.8783388	-0.81665517	-0.8085420	-0.87348560
## 95	0.02422136	-0.73689758	-0.8514646	-0.88158232	-0.8326464	-0.85507677
## 96	-0.19960589	-0.68691621	-0.7765211	-0.88166127	-0.7362401	-0.80028199
## 97	-0.08139966	-0.79822433	-0.9203952	-0.80897203	-0.9271690	-0.94146631
## 98	-0.29514322	-0.72860787	-0.7218419	-0.73773366	-0.6017013	-0.61953962
## 99	-0.55065048	-0.60583413	-0.9462786	-0.79877336	-0.8194812	-0.95735076
## 100	-0.54576428	-0.48880771	-0.8257297	-0.73148922	-0.6030324	-0.79752521
## 101	-0.55994882	-0.63246836	-0.8451787	-0.86539530	-0.8015464	-0.99702119
## 102	-0.30092115	-0.80616897	-0.5980885	-0.77647680	-0.7140794	-0.82225791
## 103	-0.51936521	-0.69348499	-0.8299977	-0.89544481	-0.8784402	-0.98852580
## 104	-0.54702656	-0.65192968	-0.8762880	-0.85791731	-0.9495664	-0.97564805
## 105	-0.54617370	-0.73137609	-0.8086733	-0.91016783	-0.9354057	-0.99046854
## 106	-0.65514571	-0.67769191	-0.6332004	-0.78404111	-0.8125171	-0.77195091
## 107	-0.62446864	-0.54299907	-0.8209841	-0.82414537	-0.9011530	-0.99633033
## 108	-0.51556458	-0.63153700	-0.7119569	-0.73198043	-0.8207827	-0.94308668
## 109	-0.48770133	-0.73917725	-0.8329680	-0.78413008	-0.7775653	-0.93172127
## 110	-0.41721213	-0.59384200	-0.8994224	-0.63018991	-0.8124414	-0.88406900
## 111	-0.51304347	-0.57882142	-0.9472770	-0.78460388	-0.8080009	-0.95307737
## 112	-0.68139115	-0.55555678	-0.8170680	-0.76922789	-0.9346444	-0.99753636
## 113	-0.63306395	-0.55396138	-0.7721548	-0.73360746	-0.8840264	-0.98383465
## 114	-0.65605300	-0.60696854	-0.7188637	-0.75548331	-0.7985418	-0.76557938
## 115	-0.67415016	-0.64296064	-0.8997905	-0.77597220	-0.9402361	-0.88890644
## 116	-0.53279501	-0.62813694	-0.8791399	-0.82770428	-0.9402527	-0.95559486
## 117	-0.39558968	-0.59764559	-0.8927222	-0.85080831	-0.9113802	-0.96299441
## 118	-0.42314177	-0.48808470	-0.9242819	-0.86200593	-0.9398045	-0.97822701
## 119	-0.57862724	-0.79388033	-0.8981361	-0.88806129	-0.9515975	-0.99723339
## 120	-0.40963044	-0.89253091	-0.8530501	-0.91125721	-0.9549748	-0.98812259

## 121	-0.41918812	-0.83766683	-0.8375322	-0.85991832	-0.8980329	-0.96224248
## 122	-0.68157578	-0.81029178	-0.8793045	-0.85502907	-0.8821614	-0.95101629
## 123	-0.50488063	-0.75754530	-0.8304832	-0.89594892	-0.9573185	-0.97370204
## 124	-0.45832344	-0.72319907	-0.8521077	-0.85284087	-0.8969351	-0.90458158
## 125	-0.48091850	-0.70942587	-0.9223382	-0.86737563	-0.9268390	-0.96570509
## 126	-0.56093565	-0.70982266	-0.8596164	-0.84915600	-0.9028822	-0.97127450
## 127	-0.44199519	-0.64517721	-0.8488924	-0.89459002	-0.8741519	-0.99197983
## 128	-0.47023997	-0.54270556	-0.8314337	-0.88614632	-0.9246315	-0.97926329
## 129	-0.51501495	-0.63368053	-0.9179591	-0.88378825	-0.9630635	-0.99464554
## 130	-0.57346531	-0.60468378	-0.7811159	-0.82206648	-0.8967922	-0.99867392
## 131	-0.56581143	-0.33316825	-0.7459474	-0.80479196	-0.9133137	-0.99813834
## 132	-0.56084478	-0.42981332	-0.5364983	-0.87756801	-0.9756900	-0.99827769
## 133	-0.68121794	-0.70765585	-0.5846760	-0.90474475	-0.9452704	-0.98986365
## 134	-0.59756201	-0.61249597	-0.8405462	-0.91380153	-0.9593218	-0.99912092
## 135	-0.42477799	-0.03878889	-0.6471517	0.05860266	-0.5350100	-0.35639657
## 136	-0.31179839	-0.51650492	-0.7660768	-0.68878688	-0.9282711	-0.95194620
## 137	-0.13029422	-0.49285785	-0.6425150	-0.42326360	-0.3304135	-0.23971161
## 138	-0.49491235	-0.13403767	-0.2614569	0.49373800	-0.3206670	-0.07297324
## 139	-0.69910692	-0.45425280	-0.6905428	-0.72514544	-0.9416392	-0.99776063
## 140	-0.26616679	-0.45985367	-0.3218948	-0.52157270	-0.4388743	-0.03005584
## 141	-0.30962989	-0.35452503	-0.7708044	-0.72792208	-0.8962957	-0.92124558
## 142	-0.39315151	-0.59783497	-0.7871872	-0.61942105	-0.8772999	-0.98230952
## 143	-0.43312244	-0.78110108	-0.8317529	-0.86429264	-0.8795781	-0.98043607
## 144	-0.39184316	-0.57475954	-0.8619528	-0.77016615	-0.8832215	-0.83926158
## 145	0.09554899	-0.56970349	-0.6667584	-0.73378852	-0.7751946	-0.63933147
## 146	-0.35365380	-0.61563658	-0.6575223	-0.72704861	-0.9517244	-0.98225804
## 147	-0.65089665	-0.70369622	-0.6183609	-0.35934707	-0.6511756	-0.48568532
## 148	-0.38778537	-0.86854754	-0.8611114	-0.74482554	-0.8270264	-0.99722879
## 149	-0.33040590	-0.66967350	-0.8047937	-0.62234126	-0.8314819	-0.89014932
## 150	-0.53636701	-0.62666643	-0.7139432	-0.75515850	-0.9003359	-0.88431886
## 151	-0.81389511	-0.96056641	-0.9184411	-0.93379164	-0.9134548	-0.95792973
## 152	-0.87194044	-0.94315731	-0.9463080	-0.92688382	-0.9671948	-0.99062650
## 153	-0.90143908	-0.96532652	-0.9702238	-0.96753964	-0.9826189	-0.99855391
## 154	-0.86230494	-0.92694035	-0.9576929	-0.96431023	-0.9677962	-0.98069482
## 155	-0.75593629	-0.92837273	-0.9650809	-0.96813197	-0.9793373	-0.99924537
## 156	-0.82051741	-0.89824103	-0.9393020	-0.97199025	-0.9836074	-0.99699901
## 157	-0.76816916	-0.92387598	-0.9226467	-0.95211025	-0.9436802	-0.99336514
## 158	-0.70018530	-0.91387291	-0.9273119	-0.93644207	-0.9102252	-0.99973704
## 159	-0.66275507	-0.79301545	-0.9517010	-0.91316614	-0.9242611	-0.96716240
## 160	-0.77946898	-0.89564726	-0.9792569	-0.94371968	-0.9828353	-0.99982260
## 161	-0.86978891	-0.93792736	-0.9768937	-0.92852789	-0.9872101	-0.99633741
## 162	-0.81389636	-0.92556874	-0.9589354	-0.93202198	-0.9838864	-0.99991069
## 163	-0.76172756	-0.91500159	-0.9569112	-0.94429820	-0.9335770	-0.92745583
## 164	-0.77806223	-0.93935869	-0.9019563	-0.88713199	-0.9284841	-0.92097664
## 165	-0.82853577	-0.93647054	-0.9409146	-0.94956284	-0.9750026	-0.99986813
## 166	-0.93275652	-0.93742327	-0.9863051	-0.98084165	-0.9827423	-0.99988102
## 167	-0.93376579	-0.97341126	-0.9923834	-0.98483521	-0.9931460	-0.99887486
## 168	-0.85172936	-0.94544261	-0.9763869	-0.95874295	-0.9849672	-0.99453989
## 169	-0.81864022	-0.86935800	-0.9189205	-0.97728379	-0.9711448	-0.99366863
## 170	-0.86534174	-0.90735993	-0.8731340	-0.97509877	-0.9805995	-0.99234213

## 171	-0.88837358	-0.95999225	-0.9636607	-0.96035768	-0.9791869	-0.98995262
## 172	-0.84145717	-0.94119808	-0.9584007	-0.95440052	-0.9869796	-0.98397420
## 173	-0.81438844	-0.76802696	-0.8667770	-0.84286509	-0.8013473	-0.67110622
## 174	-0.80231190	-0.84931716	-0.9005459	-0.85012659	-0.8517484	-0.76299743
## 175	-0.83971503	-0.86389090	-0.9621922	-0.90159772	-0.9253927	-0.91303134
## 176	-0.68632489	-0.77913024	-0.8446586	-0.70247644	-0.7105702	-0.71174377
## 177	-0.99989470	-0.99981415	-0.9997823	-0.99972465	-0.9998757	-0.99972671
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999687	-0.99997686	-0.99986966	-0.9997761	-0.9999712	-0.99991925
## 2	-0.9999939	-0.99994898	-0.99991401	-0.9999766	-0.9999921	-0.99994590
## 3	-0.9999826	-0.99980201	-0.99994764	-0.9999478	-0.9999725	-0.99987456
## 4	-0.9999864	-0.99982535	-0.99999125	-0.9999750	-0.9999773	-0.99991242
## 5	-0.9999934	-0.99993477	-0.99997153	-0.9999753	-0.9999911	-0.99995613
## 6	-0.9999897	-0.99991661	-0.99994379	-0.9999749	-0.9999865	-0.99992942
## 7	-0.9999875	-0.99990764	-0.99995073	-0.9999050	-0.9999843	-0.99991818
## 8	-0.9999814	-0.99993773	-0.99994280	-0.9999717	-0.9999799	-0.99994911
## 9	-0.9999857	-0.99995519	-0.99996966	-0.9999743	-0.9999856	-0.99995634
## 10	-0.9999706	-0.99987406	-0.99992791	-0.9999524	-0.9999687	-0.99982479
## 11	-0.9999711	-0.99988265	-0.99988673	-0.9998995	-0.9999702	-0.99979278
## 12	-0.9999903	-0.99997394	-0.99999786	-0.9999693	-0.9999907	-0.99998767
## 13	-0.9999947	-0.99998804	-0.99998600	-0.9999907	-0.9999959	-0.99998415
## 14	-0.9999979	-0.99995905	-0.99996996	-0.9999821	-0.9999970	-0.99996286
## 15	-0.9998914	-0.99981194	-0.99984629	-0.9999165	-0.9998899	-0.99978658
## 16	-0.9999842	-0.99993321	-0.99994758	-0.9999652	-0.9999826	-0.99993903
## 17	-0.9999861	-0.99991436	-0.99997310	-0.9999823	-0.9999850	-0.99988742
## 18	-0.9999916	-0.99992219	-0.99996075	-0.9999740	-0.9999895	-0.99991661
## 19	-0.9999875	-0.99995404	-0.99994003	-0.9999865	-0.9999874	-0.99993522
## 20	-0.9999872	-0.99998297	-0.99994967	-0.9999837	-0.9999891	-0.99995171
## 21	-0.9999889	-0.99996925	-0.99996211	-0.9999772	-0.9999904	-0.99993239
## 22	-0.9999912	-0.99993417	-0.99995232	-0.9999700	-0.9999899	-0.99992061
## 23	-0.9999913	-0.99993896	-0.99996466	-0.9999708	-0.9999895	-0.99995085
## 24	-0.9999933	-0.99995645	-0.99996456	-0.9999774	-0.9999932	-0.99994030
## 25	-0.9999934	-0.99996316	-0.99997464	-0.9999907	-0.9999934	-0.99995939
## 26	-0.9999927	-0.99993700	-0.99997011	-0.9999811	-0.9999900	-0.99997224
## 27	-1.0000000	-0.99994201	-0.99996408	-0.9999697	-0.9999978	-0.99995284
## 28	-0.9946821	-0.99816239	-0.99785207	-0.9963937	-0.9949312	-0.99833828
## 29	-0.9997711	-0.99985477	-0.99982809	-0.9997424	-0.9997820	-0.99977032
## 30	-0.9999434	-0.99992919	-0.99987999	-0.9999422	-0.9999463	-0.99984935
## 31	-0.9817035	-0.98507499	-0.98722766	-0.9876378	-0.9819764	-0.98787323
## 32	-0.9682448	-0.98149486	-0.99259848	-0.9981961	-0.9690966	-0.99280132
## 33	-0.9796648	-0.99335503	-0.98966086	-0.9818905	-0.9806783	-0.99164641
## 34	-0.9987735	-0.99975267	-0.99949000	-0.9993564	-0.9988524	-0.99944702
## 35	-0.9996209	-0.99987491	-0.99977641	-0.9998064	-0.9996431	-0.99977567
## 36	-0.9999503	-0.99997904	-0.99993755	-0.9999860	-0.9999537	-0.99996879
## 37	-0.9999763	-0.99994294	-0.99997118	-0.9999489	-0.9999761	-0.99994927
## 38	-0.9999743	-0.99991058	-0.99997309	-0.9999621	-0.9999721	-0.99993668
## 39	-0.9997155	-0.99963209	-0.99976534	-0.9999174	-0.9997145	-0.99966434
## 40	-0.9999259	-0.99979396	-0.99995012	-0.9999358	-0.9999205	-0.99983513
## 41	-0.9999742	-0.99990963	-0.99992780	-0.9999504	-0.9999710	-0.99993934
## 42	-0.9999634	-0.99990967	-0.99988835	-0.9999810	-0.9999634	-0.99985047

## 43	-0.9999729	-0.99993453	-0.99989051	-0.9999727	-0.9999745	-0.99984486
## 44	-0.9999662	-0.99995370	-0.99988736	-0.9999856	-0.9999681	-0.99989676
## 45	-0.9999647	-0.99993732	-0.99989467	-0.9999787	-0.9999669	-0.99985332
## 46	-0.9999814	-0.99987154	-0.99993745	-0.9999577	-0.9999790	-0.99981328
## 47	-0.9999855	-0.99989785	-0.99995041	-0.9999897	-0.9999858	-0.99979694
## 48	-0.9999846	-0.99989845	-0.99989190	-0.9999885	-0.9999841	-0.99979681
## 49	-0.9999808	-0.99987690	-0.99994181	-0.9999728	-0.9999762	-0.99989413
## 50	-0.9999787	-0.99989638	-0.99994505	-0.9999692	-0.9999754	-0.99990823
## 51	-0.9999802	-0.99990041	-0.99982816	-0.9998368	-0.9999797	-0.99977985
## 52	-0.9958107	-0.99765982	-0.99859031	-0.9976121	-0.9960241	-0.99620766
## 53	-0.9998077	-0.99991592	-0.99992218	-0.9998760	-0.9998186	-0.99988523
## 54	-0.9999570	-0.99995944	-0.99989216	-0.9999421	-0.9999598	-0.99990456
## 55	-0.9999767	-0.99994883	-0.99993669	-0.9999773	-0.9999778	-0.99990809
## 56	-0.9999820	-0.99994917	-0.99995967	-0.9999634	-0.9999829	-0.99991506
## 57	-0.9999684	-0.99991345	-0.99992373	-0.9999590	-0.9999679	-0.99988005
## 58	-0.9999641	-0.99990443	-0.99990831	-0.9999635	-0.9999629	-0.99987854
## 59	-0.9999797	-0.99994933	-0.99993471	-0.9999838	-0.9999800	-0.99992606
## 60	-0.9999779	-0.99995233	-0.99992510	-0.9999912	-0.9999789	-0.99991265
## 61	-0.9999680	-0.99990665	-0.99988795	-0.9999801	-0.9999672	-0.99985792
## 62	-0.9999740	-0.99992669	-0.99986611	-0.9999904	-0.9999729	-0.99989002
## 63	-0.9999805	-0.99990889	-0.99992581	-0.9999818	-0.9999775	-0.99991752
## 64	-0.9999781	-0.99984824	-0.99988086	-0.9999682	-0.9999724	-0.99983465
## 65	-0.9378172	-0.97700867	-0.96544384	-0.9396363	-0.9411271	-0.96048174
## 66	-0.9988815	-0.99965078	-0.99979516	-0.9999751	-0.9989420	-0.99965784
## 67	-0.9248639	-0.98932479	-0.98811666	-0.9813963	-0.9296914	-0.98360762
## 68	-0.9261984	-0.99119748	-0.99380301	-0.9973320	-0.9309032	-0.99162164
## 69	-0.9786132	-0.99354786	-0.98895243	-0.9827095	-0.9797309	-0.99091883
## 70	-0.9684333	-0.97351041	-0.98851291	-0.9895020	-0.9695724	-0.96305991
## 71	-0.9178619	-0.90936241	-0.96593846	-0.9820435	-0.9186066	-0.91395819
## 72	-0.9153297	-0.92076560	-0.97574215	-0.9813142	-0.9163471	-0.94326640
## 73	-0.9968261	-0.99160225	-0.99784579	-0.9986616	-0.9964032	-0.99764862
## 74	-0.9996919	-0.99911854	-0.99960824	-0.9998173	-0.9996566	-0.99940110
## 75	-0.9998961	-0.99916754	-0.99966854	-0.9998773	-0.9998481	-0.99949416
## 76	-0.9999776	-0.99988446	-0.99988211	-0.9999499	-0.9999743	-0.99985119
## 77	-0.9999699	-0.99987180	-0.99987292	-0.9998879	-0.9999665	-0.99983579
## 78	-0.9999606	-0.99979505	-0.99979415	-0.9999653	-0.9999560	-0.99966768
## 79	-0.7898332	-0.54086069	-0.88285944	-0.9550679	-0.7716374	-0.80229224
## 80	-0.7148487	-0.48688625	-0.89286017	-0.9364316	-0.7001491	-0.73095974
## 81	-0.7449965	-0.58237611	-0.87268362	-0.9432737	-0.7387906	-0.64253429
## 82	-0.7201118	-0.44848373	-0.84519680	-0.8838306	-0.7068836	-0.56292414
## 83	-0.7075330	-0.55472873	-0.85108070	-0.9008310	-0.6993980	-0.69859169
## 84	-0.6873040	-0.74386857	-0.92084855	-0.9511680	-0.6963450	-0.73009367
## 85	-0.7261439	-0.41451003	-0.87334107	-0.8772686	-0.7108386	-0.54280673
## 86	-0.7677966	-0.05692998	-0.93227926	-0.9195162	-0.7211124	-0.53648902
## 87	-0.7921054	-0.72313073	-0.88379257	-0.9169321	-0.7898827	-0.77281224
## 88	-0.7363204	-0.58236409	-0.83097959	-0.8662212	-0.7266034	-0.74161006
## 89	-0.7345904	-0.58945818	-0.77899115	-0.8922538	-0.7293778	-0.60707878
## 90	-0.7281700	-0.46839081	-0.74580717	-0.8444119	-0.7141885	-0.56793077
## 91	-0.6857069	-0.54134275	-0.88954879	-0.8829298	-0.6790322	-0.68771458
## 92	-0.6425797	-0.69099867	-0.87824145	-0.9689301	-0.6487129	-0.75888717

## 93	-0.6926658	-0.53797100	-0.89763184	-0.8584428	-0.6855753	-0.68126343
## 94	-0.7337877	-0.20653973	-0.85523039	-0.8303094	-0.6962444	-0.66308157
## 95	-0.7350042	-0.04260717	-0.86276842	-0.8401645	-0.6810425	-0.74618409
## 96	-0.7578258	-0.21974770	-0.81594707	-0.7577053	-0.7181509	-0.68798320
## 97	-0.8055709	-0.15154486	-0.87864187	-0.9319611	-0.7541009	-0.79759707
## 98	-0.8408317	-0.31417147	-0.72781201	-0.6076802	-0.8020477	-0.67534930
## 99	-0.6739996	-0.49676629	-0.89099985	-0.8656915	-0.6652339	-0.66620575
## 100	-0.6125240	-0.45763955	-0.79041671	-0.6682214	-0.6077803	-0.53428473
## 101	-0.6320464	-0.51269565	-0.85277097	-0.8670645	-0.6269234	-0.66682932
## 102	-0.6814471	-0.34228243	-0.66497071	-0.7503381	-0.6544021	-0.70048735
## 103	-0.7217339	-0.49608617	-0.85454484	-0.9153380	-0.7073517	-0.71123870
## 104	-0.7321467	-0.50741685	-0.86941578	-0.9583083	-0.7189905	-0.68872814
## 105	-0.7123951	-0.53040089	-0.84673293	-0.9538613	-0.7005821	-0.73452917
## 106	-0.6813910	-0.60788162	-0.68975649	-0.7989204	-0.6795270	-0.62069785
## 107	-0.6845413	-0.54135069	-0.82218285	-0.9330540	-0.6802730	-0.58824895
## 108	-0.7347124	-0.47433260	-0.71947577	-0.8617758	-0.7191376	-0.60204631
## 109	-0.7548033	-0.48255594	-0.81467457	-0.8292344	-0.7358202	-0.72467711
## 110	-0.7802656	-0.37868630	-0.79851290	-0.8364491	-0.7544625	-0.61315686
## 111	-0.7858351	-0.45643297	-0.88631243	-0.8566268	-0.7664476	-0.64466823
## 112	-0.6617784	-0.59394315	-0.79914844	-0.9557241	-0.6631739	-0.58613305
## 113	-0.7052029	-0.55199851	-0.75771838	-0.9174796	-0.7000770	-0.56506534
## 114	-0.7295574	-0.58754823	-0.73260380	-0.7874937	-0.7243344	-0.59082325
## 115	-0.7185402	-0.61382110	-0.85339057	-0.9230317	-0.7153866	-0.67461717
## 116	-0.7079730	-0.48810264	-0.85987301	-0.9453950	-0.6955235	-0.66715363
## 117	-0.7143344	-0.36126804	-0.87702472	-0.9286800	-0.6916806	-0.65363807
## 118	-0.7548598	-0.35220436	-0.90095179	-0.9526828	-0.7312840	-0.58693862
## 119	-0.8325121	-0.57690686	-0.89437377	-0.9668935	-0.8144684	-0.80206357
## 120	-0.8278675	-0.46134343	-0.87488345	-0.9660851	-0.7981422	-0.86310899
## 121	-0.8280518	-0.45316695	-0.84593767	-0.9195543	-0.7989927	-0.81002121
## 122	-0.8551327	-0.67014351	-0.87021885	-0.9052398	-0.8427985	-0.80215963
## 123	-0.8220380	-0.50278019	-0.85503733	-0.9628099	-0.7994971	-0.75720441
## 124	-0.7923490	-0.45257779	-0.85239647	-0.8994980	-0.7686091	-0.73141639
## 125	-0.8310208	-0.46785457	-0.90174954	-0.9398659	-0.8061383	-0.74532453
## 126	-0.6601394	-0.53663375	-0.85570927	-0.9258055	-0.6530898	-0.72346131
## 127	-0.5394795	-0.41527631	-0.86603642	-0.9136448	-0.5325519	-0.68228240
## 128	-0.5967563	-0.40892325	-0.85195695	-0.9429426	-0.5877653	-0.60236149
## 129	-0.6279752	-0.47450085	-0.90516437	-0.9736490	-0.6199478	-0.69289709
## 130	-0.4079484	-0.51599973	-0.79647993	-0.9309403	-0.4197140	-0.61991825
## 131	-0.3538911	-0.42838097	-0.76801887	-0.9417447	-0.3689549	-0.41240916
## 132	-0.5193826	-0.45296911	-0.66436244	-0.9832608	-0.5223309	-0.43153706
## 133	-0.5325237	-0.63919821	-0.70466811	-0.9602169	-0.5430937	-0.64926015
## 134	-0.5534124	-0.53900857	-0.86802035	-0.9726615	-0.5565518	-0.65990755
## 135	-0.3794305	-0.21948732	-0.38260680	-0.4751434	-0.3826549	-0.01687701
## 136	-0.3751342	-0.26514717	-0.73711742	-0.9362064	-0.3706337	-0.52841787
## 137	-0.4175101	-0.10234394	-0.56033935	-0.3000126	-0.3970970	-0.42650318
## 138	-0.4653723	-0.30810098	0.02162404	-0.2376465	-0.4674732	0.10957528
## 139	-0.3441739	-0.57890396	-0.70352660	-0.9604496	-0.3694025	-0.46782183
## 140	-0.4535206	-0.20908064	-0.39675552	-0.3018490	-0.4402053	-0.32425575
## 141	-0.3402486	-0.21493319	-0.75474300	-0.9046583	-0.3380735	-0.42126848
## 142	-0.1906047	-0.35923243	-0.72431228	-0.9124964	-0.2050021	-0.58031493

## 143	-0.4022795	-0.44823798	-0.84396446	-0.9133831	-0.4044729	-0.76869315
## 144	-0.4142602	-0.35122144	-0.82755990	-0.8684873	-0.4126681	-0.61350733
## 145	-0.6565494	0.06850707	-0.69189771	-0.7296568	-0.6030943	-0.54464138
## 146	-0.4764438	-0.33065446	-0.68359725	-0.9619585	-0.4677176	-0.57343753
## 147	-0.3704776	-0.61199825	-0.52127981	-0.5957076	-0.3904100	-0.55821946
## 148	-0.5399477	-0.43543935	-0.81753478	-0.8840738	-0.5291339	-0.81840262
## 149	-0.5323331	-0.32683677	-0.73641366	-0.8511457	-0.5179821	-0.63741720
## 150	-0.4697720	-0.49072872	-0.72940596	-0.8949674	-0.4745066	-0.60334616
## 151	-0.7922049	-0.82854253	-0.92420979	-0.9283617	-0.7937481	-0.93540260
## 152	-0.7815942	-0.87315295	-0.93904138	-0.9750485	-0.7880173	-0.93010963
## 153	-0.7807075	-0.90508282	-0.96923245	-0.9879599	-0.7892903	-0.96045753
## 154	-0.7888903	-0.86004397	-0.96018823	-0.9721195	-0.7941099	-0.92870546
## 155	-0.7729621	-0.76919924	-0.96623941	-0.9860100	-0.7717535	-0.93263871
## 156	-0.8188217	-0.81561997	-0.95157003	-0.9880959	-0.8189438	-0.90407317
## 157	-0.8231444	-0.77835362	-0.93370582	-0.9603333	-0.8192385	-0.91377932
## 158	-0.7833420	-0.71703229	-0.93074892	-0.9402273	-0.7774331	-0.90521639
## 159	-0.7041326	-0.64883670	-0.93727063	-0.9386405	-0.7011931	-0.82208060
## 160	-0.7581255	-0.77962305	-0.96595040	-0.9885290	-0.7596441	-0.90913894
## 161	-0.7800642	-0.86974555	-0.95877832	-0.9902694	-0.7864431	-0.93587022
## 162	-0.7877648	-0.81809632	-0.94886147	-0.9892573	-0.7896237	-0.92227791
## 163	-0.8372802	-0.77017711	-0.95219789	-0.9315254	-0.8319118	-0.91633954
## 164	-0.8325275	-0.79146442	-0.89641364	-0.9259678	-0.8286579	-0.90689307
## 165	-0.8109527	-0.83391238	-0.94417108	-0.9833369	-0.8122041	-0.92780386
## 166	-0.8266409	-0.92362603	-0.98427207	-0.9884867	-0.8341848	-0.94777348
## 167	-0.8401590	-0.93523498	-0.98956891	-0.9950662	-0.8468138	-0.97601106
## 168	-0.7765943	-0.85649251	-0.96978782	-0.9881757	-0.7819362	-0.94653075
## 169	-0.7826826	-0.80538722	-0.94081285	-0.9786942	-0.7852399	-0.87828085
## 170	-0.8099098	-0.85680475	-0.91137036	-0.9845354	-0.8138513	-0.89124561
## 171	-0.8354092	-0.89227928	-0.96243730	-0.9827953	-0.8391754	-0.95338108
## 172	-0.8417392	-0.84641115	-0.95691598	-0.9859723	-0.8417208	-0.93730917
## 173	-0.8667925	-0.77149015	-0.85782753	-0.7576939	-0.8630694	-0.76602879
## 174	-0.8120382	-0.78539382	-0.88166018	-0.8220014	-0.8113485	-0.83552105
## 175	-0.7882590	-0.82183899	-0.93949266	-0.9212495	-0.7919179	-0.87374317
## 176	-0.7935604	-0.66491646	-0.79137448	-0.7109635	-0.7859400	-0.74198925
## 177	-0.9995053	-0.99986020	-0.99977577	-0.9998258	-0.9995348	-0.99976824
##	NA	NA	NA	NA	NA	NA
## 1	-0.9996568	-0.99986046	-0.99986695	-0.9998630	-0.9997378	-0.9997322
## 2	-0.9994166	-0.99981329	-0.99956858	-0.9998737	-0.9995489	-0.9997371
## 3	-0.9990060	-0.99971528	-0.99965771	-0.9998174	-0.9996359	-0.9996789
## 4	-0.9997191	-0.99974980	-0.99994419	-0.9999397	-0.9995535	-0.9998987
## 5	-0.9995640	-0.99985973	-0.99986270	-0.9998976	-0.9996505	-0.9997118
## 6	-0.9998785	-0.99992713	-0.99981454	-0.9997641	-0.9998370	-0.9997239
## 7	-0.9990482	-0.99964844	-0.99981858	-0.9994600	-0.9995864	-0.9993649
## 8	-0.9989219	-0.99976643	-0.99982399	-0.9996014	-0.9994693	-0.9994606
## 9	-0.9986573	-0.99972041	-0.99966910	-0.9994224	-0.9990566	-0.9991289
## 10	-0.9996184	-0.99943907	-0.99944926	-0.9993374	-0.9993005	-0.9990416
## 11	-0.9995083	-0.99959235	-0.99949523	-0.9994646	-0.9991258	-0.9997171
## 12	-0.9997814	-0.99988557	-0.99995862	-0.9997005	-0.9995426	-0.9996752
## 13	-0.9996485	-0.99995774	-0.99988735	-0.9998069	-0.9996655	-0.9997860
## 14	-0.9998443	-0.99994614	-0.99986623	-0.9999157	-0.9997799	-0.9997402

## 15	-0.9742333	-0.99910870	-0.99892054	-0.9979498	-0.9956195	-0.9950936
## 16	-0.9991800	-0.99997640	-0.99995062	-0.9998889	-0.9998080	-0.9996987
## 17	-0.9995302	-0.99992876	-0.99995018	-0.9999112	-0.9998759	-0.9997563
## 18	-0.9997703	-0.99990834	-0.99988405	-0.9999226	-0.9997602	-0.9997789
## 19	-0.9999123	-0.99993957	-0.99987974	-0.9999164	-0.9997929	-0.9998826
## 20	-0.9998419	-0.99993738	-0.99988025	-0.9999080	-0.9998744	-0.9998748
## 21	-0.9999473	-0.99990487	-0.99994099	-0.9999175	-0.9997846	-0.9997739
## 22	-0.9998807	-0.99988763	-0.99987225	-0.9998763	-0.9992567	-0.9996108
## 23	-0.9999224	-0.99989689	-0.99971669	-0.9998283	-0.9992313	-0.9995062
## 24	-0.9998104	-0.99992464	-0.99973150	-0.9997199	-0.9996335	-0.9997002
## 25	-0.9998409	-0.99989027	-0.99983854	-0.9997714	-0.9995276	-0.9998828
## 26	-0.9997464	-0.99993902	-0.99977448	-0.9997856	-0.9996168	-0.9994568
## 27	-0.9999401	-0.99995120	-0.99983656	-0.9997732	-0.9997828	-0.9996857
## 28	-0.5260664	-0.98127681	-0.98709102	-0.9726800	-0.9334172	-0.9084230
## 29	-0.9903164	-0.99964439	-0.99971124	-0.9992916	-0.9989289	-0.9978281
## 30	-0.9967942	-0.99977279	-0.99975996	-0.9995342	-0.9995344	-0.9990611
## 31	-0.9627835	-0.98747175	-0.98888559	-0.9979311	-0.9908248	-0.9859296
## 32	-0.8826201	-0.98691949	-0.98880525	-0.9963775	-0.9876282	-0.9873977
## 33	-0.8656346	-0.99773175	-0.99367143	-0.9958257	-0.9918886	-0.9866586
## 34	-0.9799109	-0.99937601	-0.99881827	-0.9978785	-0.9961930	-0.9930867
## 35	-0.9986014	-0.99993380	-0.99988651	-0.9997962	-0.9994497	-0.9993759
## 36	-0.9998846	-0.99996860	-0.99993906	-0.9998422	-0.9996922	-0.9998864
## 37	-0.9999696	-0.99995056	-0.99988853	-0.9998461	-0.9997675	-0.9995945
## 38	-0.9999687	-0.99989990	-0.99990698	-0.9998526	-0.9997799	-0.9998214
## 39	-0.9864617	-0.99870505	-0.99899417	-0.9985332	-0.9977512	-0.9955145
## 40	-0.9961745	-0.99985212	-0.99983738	-0.9994799	-0.9992360	-0.9990388
## 41	-0.9996381	-0.99997035	-0.99988218	-0.9997637	-0.9996160	-0.9996729
## 42	-0.9996592	-0.99994202	-0.99986028	-0.9998648	-0.9995949	-0.9998424
## 43	-0.9995292	-0.99997587	-0.99982924	-0.9998775	-0.9998008	-0.9997670
## 44	-0.9990141	-0.99994807	-0.99978224	-0.9998346	-0.9997048	-0.9995632
## 45	-0.9994401	-0.99994691	-0.99988907	-0.9998405	-0.9998281	-0.9997275
## 46	-0.9997768	-0.99996332	-0.99992888	-0.9998700	-0.9997445	-0.9998592
## 47	-0.9995967	-0.99993950	-0.99985772	-0.9998172	-0.9998586	-0.9998769
## 48	-0.9996643	-0.99993920	-0.99984252	-0.9998241	-0.9999287	-0.9997554
## 49	-0.9997415	-0.99996318	-0.99991723	-0.9998649	-0.9998693	-0.9998442
## 50	-0.9994714	-0.99996229	-0.99994249	-0.9997511	-0.9998488	-0.9998846
## 51	-0.9994451	-0.99993546	-0.99983357	-0.9997898	-0.9997169	-0.9996846
## 52	-0.9948637	-0.99589071	-0.99658928	-0.9914946	-0.9969230	-0.9972082
## 53	-0.9998880	-0.99991652	-0.99984424	-0.9998736	-0.9997237	-0.9997544
## 54	-0.9999894	-0.99993624	-0.99986998	-0.9998890	-0.9997677	-0.9998530
## 55	-0.9999399	-0.99996950	-0.99994958	-0.9998633	-0.9996493	-0.9999301
## 56	-0.9999574	-0.99998279	-0.99995363	-0.9998455	-0.9997745	-0.9998507
## 57	-0.9999970	-0.99996864	-0.99989626	-0.9998758	-0.9998446	-0.9998458
## 58	-0.9999557	-0.99991956	-0.99992008	-0.9998800	-0.9998687	-0.9998321
## 59	-0.9999369	-0.99992340	-0.99993883	-0.9997975	-0.9998436	-0.9998290
## 60	-0.9999377	-0.99988396	-0.99990965	-0.9997310	-0.9995766	-0.9995947
## 61	-0.9999132	-0.99989712	-0.99984847	-0.9997529	-0.9995038	-0.9996660
## 62	-0.9999540	-0.99994848	-0.99991507	-0.9998750	-0.9997538	-0.9998760
## 63	-0.9999440	-0.99995896	-0.99994302	-0.9999306	-0.9997870	-0.9998564
## 64	-0.9999547	-0.99993934	-0.99992903	-0.9999524	-0.9998113	-0.9999166

## 65	-0.9424126	-0.99731529	-0.99366313	-0.9719783	-0.9832829	-0.9914178
## 66	-0.9926553	-0.99992441	-0.99978050	-0.9995940	-0.9996156	-0.9994962
## 67	-0.5674249	-0.93005376	-0.97938014	-0.9862192	-0.9728796	-0.9675888
## 68	-0.4965761	-0.92176545	-0.97967488	-0.9843463	-0.9721133	-0.9691387
## 69	-0.9523334	-0.99571101	-0.99667908	-0.9943835	-0.9958433	-0.9928545
## 70	-0.9223976	-0.98445238	-0.97706987	-0.9696886	-0.9709008	-0.9595600
## 71	0.5563794	-0.81802387	-0.95875020	-0.8113364	-0.4943074	-0.7486060
## 72	-0.4400556	-0.76300604	-0.94261349	-0.7775816	-0.3354062	-0.7747966
## 73	-0.1694551	-0.97667220	-0.99087157	-0.9800914	-0.9588386	-0.9672273
## 74	-0.8786953	-0.99391026	-0.99401149	-0.9911116	-0.9772919	-0.9635381
## 75	-0.9912418	-0.99946611	-0.99945754	-0.9990193	-0.9983435	-0.9987238
## 76	-0.9994563	-0.99996131	-0.99991319	-0.9996345	-0.9997094	-0.9998244
## 77	-0.9997056	-0.99995531	-0.99991101	-0.9999034	-0.9998415	-0.9998335
## 78	-0.9998477	-0.99993245	-0.99984281	-0.9998454	-0.9998243	-0.9996135
## 79	-0.8170078	-0.57655790	-0.71313840	-0.9020238	-0.8892989	-0.9330547
## 80	-0.7561811	-0.35302634	-0.77217801	-0.7560142	-0.7626055	-0.8840621
## 81	-0.7193030	-0.48887961	-0.61283323	-0.6766509	-0.7393686	-0.7739103
## 82	-0.6237027	-0.23083742	-0.65216295	-0.8043058	-0.6910274	-0.5293849
## 83	-0.5746301	-0.32591673	-0.64231503	-0.7618398	-0.6798610	-0.7320772
## 84	-0.6592843	-0.59159170	-0.53819143	-0.7141580	-0.6045896	-0.5331333
## 85	-0.7009486	-0.37119176	-0.77262969	-0.9123209	-0.8942211	-0.8495879
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## 88	-0.6430993	-0.34827352	-0.68267180	-0.6588020	-0.7292071	-0.8288055
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## 90	-0.6875223	-0.40558395	-0.55716130	-0.8532556	-0.6860280	-0.6271219
## 91	-0.6466257	-0.30364992	-0.60730095	-0.8222128	-0.6894346	-0.7589653
## 92	-0.6386364	-0.29313917	-0.32902767	-0.6872027	-0.6138605	-0.7188376
## 93	-0.5771626	-0.25632521	-0.35072042	-0.6965414	-0.7021422	-0.7437955
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## 95	-0.6659380	-0.34155382	-0.60234311	-0.8538369	-0.7708398	-0.6592811
## 96	-0.6406908	-0.24439472	-0.80263404	-0.8777360	-0.6001756	-0.5732365
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##	NA	NA	NA	NA	NA	NA
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## 2	-0.9995658	-0.9999053	-0.9994735	-0.99955418	-0.9996020	-0.9996953
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## 6	-0.9996215	-0.9999073	-0.9998860	-0.99976016	-0.9998075	-0.9997302
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## 8	-0.9998634	-0.9999988	-0.9990703	-0.99972227	-0.9994377	-0.9999164
## 9	-0.9994193	-0.9995200	-0.9988439	-0.99952086	-0.9990088	-0.9994433
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## 12	-0.9997751	-0.9996934	-0.9997902	-0.99988102	-0.9995736	-0.9997337
## 13	-0.9998181	-0.9999795	-0.9997255	-0.99984291	-0.9997060	-0.9998806
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## 20	-0.9997354	-0.9998930	-0.9998632	-0.99986526	-0.9998928	-0.9997936
## 21	-0.9998552	-0.9999372	-0.9999273	-0.99992670	-0.9997884	-0.9998854
## 22	-0.9997708	-0.9998996	-0.9998674	-0.99984838	-0.9993399	-0.9998181
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## 24	-0.9998101	-0.9999489	-0.9998325	-0.99966714	-0.9996497	-0.9998628
## 25	-0.9997875	-0.9999729	-0.9998382	-0.99978547	-0.9996424	-0.9998592
## 26	-0.9998216	-0.9998941	-0.9997909	-0.99972767	-0.9995441	-0.9998467
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## 47	-0.9998617	-0.9999653	-0.9996765	-0.99981725	-0.9998820	-0.9999012
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## 69	-0.9914920	-0.9889220	-0.9612858	-0.99517516	-0.9942525	-0.9901312
## 70	-0.9564993	-0.9544490	-0.9325556	-0.96908891	-0.9632453	-0.9542205
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## 82	-0.3615551	-0.4030071	-0.3159780	-0.60733060	-0.5936102	-0.3583001
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## 85	-0.9168989	-0.9989322	-0.4473739	-0.75495817	-0.8649988	-0.9488212
## 86	-0.9634299	-0.9904627	-0.4390554	-0.69025129	-0.7494637	-0.9736511

## 87	-0.8854308	-0.9982746	-0.5110084	-0.74004991	-0.7995458	-0.9293341
## 88	-0.7902091	-0.9860025	-0.3912567	-0.59475329	-0.7364009	-0.8660271
## 89	-0.9248490	-0.9808104	-0.4729198	-0.67954561	-0.7600695	-0.9460257
## 90	-0.7313638	-0.7704120	-0.4547795	-0.52968031	-0.6274553	-0.7391136
## 91	-0.8437560	-0.9921459	-0.3710018	-0.56915690	-0.6805311	-0.9013073
## 92	-0.7822444	-0.9026715	-0.3594726	-0.26123944	-0.6098908	-0.8259946
## 93	-0.6273855	-0.8980309	-0.2934294	-0.28490030	-0.6840000	-0.7295033
## 94	-0.7407198	-0.8368736	-0.3354851	-0.50664042	-0.7107823	-0.7728756
## 95	-0.4417285	-0.7345546	-0.4052997	-0.57350709	-0.7017910	-0.5471737
## 96	-0.3547957	-0.5504067	-0.3359697	-0.77395437	-0.5440230	-0.4163851
## 97	-0.7896698	-0.9634115	-0.3353851	-0.61098203	-0.7516243	-0.8561632
## 98	-0.5614735	-0.8689807	-0.4951827	-0.54488386	-0.6096851	-0.6770069
## 99	-0.8711608	-0.9825465	-0.3739709	-0.50657238	-0.6121607	-0.9139849
## 100	-0.7864419	-0.7552626	-0.4318796	-0.41046238	-0.6166992	-0.7663418
## 101	-0.5487505	-0.7710341	-0.5228762	-0.39964261	-0.6228090	-0.6279011
## 102	-0.6449169	-0.9893230	-0.4051798	0.01509716	-0.4160914	-0.7787358
## 103	-0.6916040	-0.9856860	-0.3395098	-0.14911352	-0.5191195	-0.8057006
## 104	-0.7205733	-0.9626898	-0.2280814	-0.36812522	-0.6313332	-0.8136790
## 105	-0.4783619	-0.8000721	-0.3099287	-0.53622806	-0.6247546	-0.5971886
## 106	-0.6980593	-0.7094677	-0.5241134	-0.62678046	-0.6831195	-0.6930611
## 107	-0.8781723	-0.8604475	-0.3726371	-0.54671712	-0.7049614	-0.8667322
## 108	-0.6104947	-0.8806325	-0.2361380	-0.12209501	-0.6703993	-0.7118493
## 109	-0.6118104	-0.9778116	-0.2663045	-0.27000157	-0.5595535	-0.7536677
## 110	-0.8121902	-0.9963531	-0.2945085	-0.59200346	-0.5828170	-0.8838138
## 111	-0.8566624	-0.9975051	-0.3725393	-0.59732951	-0.6608806	-0.9114478
## 112	-0.5546498	-0.9468652	-0.3637285	0.11546712	-0.6314263	-0.7057132
## 113	-0.3196464	-0.3728721	-0.4921729	-0.41562278	-0.4433821	-0.3199985
## 114	-0.8636948	-0.8250903	-0.4914254	-0.53496671	-0.5477164	-0.8429717
## 115	-0.9196383	-0.9997658	-0.3850760	-0.66807274	-0.7863472	-0.9508452
## 116	-0.6266276	-0.6955502	-0.3827566	-0.55678062	-0.8569697	-0.6435821
## 117	-0.9571417	-0.9797475	-0.3712095	-0.61748337	-0.8476265	-0.9652901
## 118	-0.7769381	-0.8693999	-0.4407765	-0.68386436	-0.6901895	-0.8087128
## 119	-0.3866039	-0.7274833	-0.5255047	-0.72576999	-0.6005441	-0.5105387
## 120	-0.7235184	-0.8667869	-0.5586392	-0.80916871	-0.7264299	-0.7750002
## 121	-0.9154177	-0.9754519	-0.5828664	-0.72987187	-0.8117063	-0.9380069
## 122	-0.3177992	-0.7434837	-0.5213115	-0.62982322	-0.4766933	-0.4752904
## 123	-0.5074065	-0.9897757	-0.4730924	-0.67519761	-0.5599043	-0.6949845
## 124	-0.7013487	-0.6991513	-0.4833229	-0.65312782	-0.6556528	-0.6907150
## 125	-0.9382837	-0.9988437	-0.4762893	-0.68032018	-0.8177100	-0.9618380
## 126	-0.8868577	-0.9485324	-0.6985081	-0.67042055	-0.7385291	-0.9092110
## 127	-0.8523332	-0.9925137	-0.6647358	-0.61999987	-0.7347084	-0.9066984
## 128	-0.7902042	-0.9465386	-0.5262290	-0.61011554	-0.8094327	-0.8493680
## 129	-0.9157068	-0.9321023	-0.3749747	-0.55028138	-0.6703825	-0.9198874
## 130	-0.9508293	-0.9956559	-0.4603929	-0.58718840	-0.5918607	-0.9681509
## 131	-0.9564461	-0.9997715	-0.4363718	-0.54972008	-0.6272482	-0.9733167
## 132	-0.8098463	-0.9642793	-0.5792783	-0.48848565	-0.7399027	-0.8688461
## 133	-0.7242589	-0.8902857	-0.7656062	-0.58521042	-0.8521920	-0.7853702
## 134	-0.8584881	-0.9799079	-0.7227149	-0.60051060	-0.8319730	-0.9051353
## 135	-0.3131522	-0.4071011	-0.4358218	-0.61370942	-0.3934584	-0.3304808
## 136	-0.5097349	-0.5961644	-0.5350342	-0.46834602	-0.4841882	-0.5302791

## 137	-0.3372467	-0.5103842	-0.1746138	-0.44789481	-0.4939959	-0.3887806
## 138	-0.6109524	-0.8247151	-0.2288107	-0.38465397	-0.7568481	-0.6885283
## 139	-0.9502599	-0.9880261	-0.5476703	-0.73611595	-0.8104461	-0.9645831
## 140	-0.8910720	-0.9924447	-0.5354121	-0.60812767	-0.8690096	-0.9303172
## 141	-0.6450209	-0.8817819	-0.6876796	-0.58900998	-0.7352086	-0.7334107
## 142	-0.7967836	-0.9773495	-0.7099573	-0.72185641	-0.7279416	-0.8663883
## 143	-0.8646907	-0.9633639	-0.6314616	-0.57755640	-0.7195904	-0.9019391
## 144	-0.6945669	-0.7108641	-0.6529415	-0.50594128	-0.5629211	-0.6915185
## 145	-0.8546993	-0.9640175	-0.4208798	-0.48343607	-0.6634852	-0.8961158
## 146	-0.8882703	-0.9986013	-0.3699653	-0.34155726	-0.6823455	-0.9312054
## 147	-0.7756040	-0.8656438	-0.5508285	-0.68419610	-0.5908069	-0.8063131
## 148	-0.8501265	-0.9595154	-0.6134894	-0.82251589	-0.8969012	-0.8914242
## 149	-0.9172447	-0.9948579	-0.6916755	-0.73893972	-0.7861835	-0.9473126
## 150	-0.7857681	-0.8920250	-0.7640060	-0.53491392	-0.6931291	-0.8236522
## 151	-0.9420146	-0.9815997	-0.5568912	-0.93238995	-0.8733144	-0.9568375
## 152	-0.9509381	-0.9947404	-0.5801144	-0.94185706	-0.8593157	-0.9678310
## 153	-0.8719980	-0.8477503	-0.4675552	-0.85947282	-0.7772354	-0.8576041
## 154	-0.6995553	-0.6441334	-0.3622333	-0.85334646	-0.6593927	-0.6663995
## 155	-0.9337112	-0.9803905	-0.4877379	-0.86048018	-0.8987434	-0.9512584
## 156	-0.5249843	-0.3562147	-0.5730462	-0.81520892	-0.6798508	-0.4383153
## 157	-0.9067610	-0.9188707	-0.5269503	-0.92388003	-0.9121895	-0.9088419
## 158	-0.9658106	-0.9945186	-0.6204453	-0.87390395	-0.9040732	-0.9768162
## 159	-0.9290511	-0.9763186	-0.5388552	-0.91344569	-0.9463333	-0.9466951
## 160	-0.9492805	-0.9963457	-0.5733626	-0.91584464	-0.9506830	-0.9674966
## 161	-0.7837159	-0.9687660	-0.4212389	-0.84348323	-0.9370772	-0.8547885
## 162	-0.8599187	-0.9914640	-0.4326133	-0.90931484	-0.9295167	-0.9108859
## 163	-0.9254558	-0.9444967	-0.5892338	-0.87712400	-0.9101020	-0.9310697
## 164	-0.9098022	-0.9620111	-0.4752628	-0.84473507	-0.8684773	-0.9289062
## 165	-0.9134609	-0.9943422	-0.5739546	-0.83192437	-0.9012980	-0.9447852
## 166	-0.9695156	-0.9997188	-0.6838351	-0.93111158	-0.9721636	-0.9812726
## 167	-0.9257127	-0.9434131	-0.6631822	-0.91773858	-0.9385748	-0.9307692
## 168	-0.9474359	-0.9781294	-0.4680094	-0.90108306	-0.8683420	-0.9586822
## 169	-0.9770647	-0.9934139	-0.4224243	-0.79688316	-0.8598168	-0.9832200
## 170	-0.9572485	-0.9998610	-0.2756601	-0.79467904	-0.8615466	-0.9738443
## 171	-0.9411603	-0.9695145	-0.3202964	-0.86596916	-0.9057039	-0.9512154
## 172	-0.8873813	-0.9200879	-0.4602179	-0.83459728	-0.8837887	-0.8975254
## 173	-0.8967201	-0.9742422	-0.4622633	-0.80785568	-0.9059846	-0.9260825
## 174	-0.9270674	-0.9973376	-0.5021910	-0.83295170	-0.9312679	-0.9543554
## 175	-0.9811307	-0.9959936	-0.6059085	-0.91797015	-0.9334981	-0.9867908
## 176	-0.8671097	-0.9413068	-0.6508603	-0.81126844	-0.8663201	-0.8941064
## 177	-0.9989999	-0.9992418	-0.9965023	-0.99963971	-0.9993983	-0.9990699
##	NA	NA	NA	NA	NA	NA
## 1	-0.9996872	-0.9998386	-0.9935923	-0.9994758	-0.9996620	-0.9996423
## 2	-0.9994442	-0.9998042	-0.9982346	-0.9997692	-0.9996922	-0.9998749
## 3	-0.9991263	-0.9997753	-0.9993882	-0.9997249	-0.9997185	-0.9997982
## 4	-0.9996925	-0.9998733	-0.9998071	-0.9997748	-0.9998102	-0.9999293
## 5	-0.9996211	-0.9998419	-0.9998057	-0.9998344	-0.9998251	-0.9997864
## 6	-0.9998646	-0.9997870	-0.9999423	-0.9998171	-0.9998803	-0.9998224
## 7	-0.9991528	-0.9994622	-0.9996016	-0.9998515	-0.9994768	-0.9998120
## 8	-0.9991208	-0.9995516	-0.9994658	-0.9998942	-0.9996188	-0.9998091

## 9	-0.9988866	-0.9992857	-0.9994570	-0.9999054	-0.9999613	-0.9998386
## 10	-0.9993885	-0.9992679	-0.9998124	-0.9994197	-0.9997868	-0.9998820
## 11	-0.9993916	-0.9994029	-0.9998691	-0.9993285	-0.9996441	-0.9997795
## 12	-0.9998024	-0.9996672	-0.9999403	-0.9997432	-0.9997050	-0.9998243
## 13	-0.9997308	-0.9997871	-0.9999586	-0.9998527	-0.9998131	-0.9998410
## 14	-0.9998587	-0.9998881	-0.9998731	-0.9998352	-0.9998534	-0.9998334
## 15	-0.9813638	-0.9969330	-0.9917645	-0.9996129	-0.9998033	-0.9997419
## 16	-0.9994226	-0.9998698	-0.9994996	-0.9998840	-0.9998328	-0.9998495
## 17	-0.9996454	-0.9999086	-0.9994246	-0.9998623	-0.9999243	-0.9999314
## 18	-0.9997922	-0.9998934	-0.9997970	-0.9997666	-0.9998619	-0.9998911
## 19	-0.9999056	-0.9999086	-0.9999254	-0.9998524	-0.9998744	-0.9998972
## 20	-0.9998554	-0.9999200	-0.9999728	-0.9997943	-0.9998995	-0.9999545
## 21	-0.9999246	-0.9998945	-0.9999450	-0.9998126	-0.9998843	-0.9998691
## 22	-0.9998577	-0.9997246	-0.9999601	-0.9998464	-0.9998898	-0.9998070
## 23	-0.9998638	-0.9996708	-0.9998917	-0.9999219	-0.9998362	-0.9997638
## 24	-0.9998010	-0.9997052	-0.9997989	-0.9997594	-0.9999456	-0.9998291
## 25	-0.9998251	-0.9997410	-0.9998334	-0.9999286	-0.9998992	-0.9998067
## 26	-0.9997706	-0.9997209	-0.9998786	-0.9998535	-0.9998923	-0.9997873
## 27	-0.9999229	-0.9997769	-0.9999103	-0.9998512	-0.9998482	-0.9997676
## 28	-0.6570603	-0.9537476	-0.7973108	-0.9847282	-0.9925832	-0.9916736
## 29	-0.9930175	-0.9990047	-0.9965170	-0.9998173	-0.9998991	-0.9998643
## 30	-0.9976226	-0.9994690	-0.9995311	-0.9995803	-0.9998766	-0.9998341
## 31	-0.9661048	-0.9947350	-0.8809539	-0.9839767	-0.9943295	-0.9950632
## 32	-0.9096958	-0.9930339	-0.7869902	-0.9913546	-0.9976407	-0.9985211
## 33	-0.9037433	-0.9935063	-0.9086204	-0.9906802	-0.9934165	-0.9945386
## 34	-0.9854472	-0.9967711	-0.9966410	-0.9998358	-0.9999091	-0.9999456
## 35	-0.9989861	-0.9996812	-0.9983623	-0.9997301	-0.9998418	-0.9998843
## 36	-0.9999103	-0.9998312	-0.9998324	-0.9998689	-0.9999064	-0.9999129
## 37	-0.9999524	-0.9998164	-0.9999409	-0.9999394	-0.9999046	-0.9998621
## 38	-0.9999312	-0.9998512	-0.9998544	-0.9998941	-0.9998983	-0.9999186
## 39	-0.9897500	-0.9978996	-0.9988530	-0.9996011	-0.9997213	-0.9997614
## 40	-0.9972396	-0.9993583	-0.9998187	-0.9997566	-0.9998497	-0.9998626
## 41	-0.9997285	-0.9997304	-0.9998422	-0.9996999	-0.9998948	-0.9998326
## 42	-0.9997261	-0.9998206	-0.9998609	-0.9998436	-0.9997390	-0.9998014
## 43	-0.9996455	-0.9998678	-0.9998788	-0.9998823	-0.9997638	-0.9998511
## 44	-0.9992634	-0.9997899	-0.9997438	-0.9998235	-0.9998205	-0.9998987
## 45	-0.9995800	-0.9998419	-0.9996574	-0.9998901	-0.9998373	-0.9999280
## 46	-0.9998305	-0.9998604	-0.9998053	-0.9999331	-0.9998601	-0.9999531
## 47	-0.9996807	-0.9998495	-0.9998582	-0.9998980	-0.9998944	-0.9999324
## 48	-0.9997252	-0.9998560	-0.9997457	-0.9998754	-0.9999132	-0.9999154
## 49	-0.9998037	-0.9998833	-0.9997225	-0.9997038	-0.9999448	-0.9999066
## 50	-0.9996186	-0.9997993	-0.9998373	-0.9998188	-0.9999699	-0.9998557
## 51	-0.9995684	-0.9997740	-0.9997697	-0.9999006	-0.9999165	-0.9998050
## 52	-0.9938863	-0.9927060	-0.9905284	-0.9993224	-0.9995088	-0.9993419
## 53	-0.9998715	-0.9998459	-0.9995382	-0.9996677	-0.9998565	-0.9997537
## 54	-0.9999563	-0.9998791	-0.9999787	-0.9996702	-0.9999478	-0.9998453
## 55	-0.9999513	-0.9998424	-0.9999592	-0.9999038	-0.9999373	-0.9999060
## 56	-0.9999705	-0.9998482	-0.9998701	-0.9999524	-0.9998762	-0.9999399
## 57	-0.9999815	-0.9998860	-0.9998255	-0.9998828	-0.9998242	-0.9998009
## 58	-0.9999337	-0.9998929	-0.9998979	-0.9998587	-0.9999216	-0.9998021

## 59	-0.9999256	-0.9998257	-0.9998308	-0.9997450	-0.9999810	-0.9998175
## 60	-0.9999025	-0.9996879	-0.9998017	-0.9996909	-0.9999829	-0.9997654
## 61	-0.9998807	-0.9996961	-0.9998658	-0.9997983	-0.9999280	-0.9998512
## 62	-0.9999452	-0.9998683	-0.9998574	-0.9999383	-0.9998211	-0.9998812
## 63	-0.9999481	-0.9999147	-0.9999008	-0.9998929	-0.9998630	-0.9997835
## 64	-0.9999439	-0.9999435	-0.9998861	-0.9999035	-0.9998301	-0.9998040
## 65	-0.9573105	-0.9744743	-0.9428786	-0.9922320	-0.9946590	-0.9887094
## 66	-0.9947992	-0.9995837	-0.9997760	-0.9996172	-0.9997326	-0.9994394
## 67	-0.6605790	-0.9798002	-0.6994168	-0.9738102	-0.9911593	-0.9904941
## 68	-0.6071216	-0.9784253	-0.6369555	-0.9824229	-0.9927880	-0.9932249
## 69	-0.9640354	-0.9940782	-0.8962718	-0.9928120	-0.9944677	-0.9953867
## 70	-0.9343206	-0.9661620	-0.9444950	-0.9814789	-0.9905117	-0.9932114
## 71	0.1826863	-0.7154492	-0.4102357	-0.8069230	-0.9875444	-0.9810192
## 72	-0.4863638	-0.6574675	-0.6222003	-0.7742686	-0.9894213	-0.9887250
## 73	-0.4058417	-0.9720305	-0.9130208	-0.9831695	-0.9963202	-0.9949714
## 74	-0.9111525	-0.9839397	-0.9989115	-0.9998281	-0.9995776	-0.9998908
## 75	-0.9935369	-0.9987770	-0.9997255	-0.9998231	-0.9997065	-0.9998978
## 76	-0.9996024	-0.9996741	-0.9999507	-0.9997493	-0.9998891	-0.9998540
## 77	-0.9997737	-0.9999042	-0.9999832	-0.9997792	-0.9998029	-0.9998749
## 78	-0.9998505	-0.9998311	-0.9999387	-0.9998543	-0.9997836	-0.9998761
## 79	-0.6221936	-0.8943811	-0.6225738	-0.9145649	-0.9179145	-0.9461661
## 80	-0.4849175	-0.7517000	-0.7401235	-0.8822496	-0.8449161	-0.9186303
## 81	-0.4948605	-0.6745526	-0.7321170	-0.9175940	-0.8681826	-0.9422009
## 82	-0.3135319	-0.7288168	-0.6898990	-0.8477047	-0.8774554	-0.9205687
## 83	-0.3221336	-0.7190528	-0.6160777	-0.7989469	-0.8585096	-0.9168299
## 84	-0.4879575	-0.6429135	-0.6082474	-0.7949500	-0.8852571	-0.8877192
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## 86	-0.4371750	-0.8329889	-0.7030654	-0.8463744	-0.8481947	-0.8824718
## 87	-0.5188844	-0.7523378	-0.5798565	-0.8501165	-0.9031414	-0.9638960
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## 89	-0.4689116	-0.7978315	-0.7019845	-0.8653011	-0.8804447	-0.8958938
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## 91	-0.3559046	-0.7691052	-0.6923907	-0.9265396	-0.7921340	-0.9155525
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## 93	-0.2397569	-0.6772084	-0.6604782	-0.8682974	-0.7683966	-0.8920157
## 94	-0.3197358	-0.6705354	-0.6937928	-0.8747341	-0.8160989	-0.9502146
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## 3	-0.9997528	-0.9996292	-0.9996862	-0.9999119	-0.9994535	-0.9997807
## 4	-0.9998582	-0.9996655	-0.9996813	-0.9999836	-0.9998044	-0.9998867
## 5	-0.9997453	-0.9996557	-0.9990258	-0.9994359	-0.9998225	-0.9998445
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## 66	-0.9845877	-0.979002960	-0.9997301	-0.9997336	-0.9995350	-0.9787379400
## 67	-0.9025208	-0.760765770	-0.9917258	-0.9362015	-0.9849206	-0.8565042400
## 68	-0.9778170	-0.753442350	-0.9910641	-0.9332932	-0.9836118	-0.8770715900
## 69	-0.9117831	-0.935384250	-0.9991176	-0.9956082	-0.9983338	-0.9660924500
## 70	-0.9408187	-0.803978940	-0.9860127	-0.9773813	-0.9914090	-0.8546021900
## 71	-0.9041386	-0.405783600	-0.9361502	-0.7144891	-0.9203370	-0.5411902300
## 72	-0.8701278	-0.429928860	-0.9448944	-0.7289875	-0.9233611	-0.6088883500
## 73	-0.9944306	-0.878422320	-0.9948780	-0.9924636	-0.9948287	-0.9070590800
## 74	-0.9648095	-0.975288080	-0.9995068	-0.9990698	-0.9997927	-0.9742060100
## 75	-0.9889573	-0.980429700	-0.9995394	-0.9996107	-0.9998639	-0.9734219600
## 76	-0.9824089	-0.993116500	-0.9999238	-0.9998529	-0.9999311	-0.9914599000
## 77	-0.9863549	-0.991841170	-0.9999068	-0.9998979	-0.9998598	-0.9907443300
## 78	-0.9942482	-0.989910760	-0.9998455	-0.9998408	-0.9998498	-0.9831287800
## 79	-0.8320226	-0.210636860	-0.6635667	-0.6512689	-0.9207418	-0.0205884880
## 80	-0.5503050	-0.134179020	-0.5990871	-0.5136816	-0.8924490	-0.3371379000
## 81	-0.3403547	-0.147428910	-0.6585820	-0.5243769	-0.9066479	-0.1156636200
## 82	-0.8073169	-0.100669430	-0.6098553	-0.4660962	-0.8801175	-0.0699445780
## 83	-0.7342112	-0.119589880	-0.6706294	-0.4397723	-0.8534242	-0.2940763000
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## 85	-0.5752374	-0.122502560	-0.5931756	-0.5472495	-0.8687448	0.0255610680
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## 88	-0.7987305	-0.117481750	-0.6793004	-0.4214170	-0.8698423	-0.2213996400
## 89	-0.8812370	-0.167132250	-0.6540478	-0.5611978	-0.8730659	-0.2325818400
## 90	-0.8569739	-0.139125270	-0.5921377	-0.5284699	-0.8908294	-0.1259894000
## 91	-0.8106672	-0.143813370	-0.6404289	-0.4349191	-0.8666209	-0.1813691100
## 92	-0.6395434	-0.080622059	-0.6493380	-0.3107983	-0.8370862	-0.0365900620
## 93	-0.6063109	-0.025138091	-0.6065742	-0.2467437	-0.8385969	-0.0279245470
## 94	-0.4892791	-0.032250024	-0.5394324	-0.3906220	-0.8600813	0.0091706999
## 95	-0.7429530	-0.072081013	-0.4895754	-0.4924408	-0.8622878	-0.0086168015
## 96	-0.6889507	-0.105202090	-0.5478664	-0.5066250	-0.8668396	-0.0211303660
## 97	-0.8950592	-0.087640600	-0.5734125	-0.4110370	-0.8775423	-0.1588695300
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## 102	-0.6991998	0.058659542	-0.5254789	-0.2064673	-0.8605564	-0.0956734550
## 103	-0.8798070	0.017695396	-0.6259651	-0.1713648	-0.8645268	-0.0568092170
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## 108	-0.5113387	-0.006931843	-0.5745100	-0.2230203	-0.8652625	0.0522748880
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## 64	-0.994446330	-0.99035285	-1.0000000	-1.00000000	-1.000000000	-0.32	-0.	
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## 65	-0.901066860	-0.92425287	-0.4685732	-0.35957646	-0.472575720	-0.04	0.	
04								
## 66	-0.992299050	-0.97902502	-1.0000000	-1.00000000	-0.942216280	0.04	0.	
08								
## 67	-0.770053400	-0.80314930	-0.3613149	0.04456702	-0.272704960	-0.68	-0.	
72								
## 68	-0.752040850	-0.82067619	-0.3017259	0.10615776	-0.188980990	-0.32	-0.	
68								
## 69	-0.928772960	-0.95219289	-0.7585198	-0.57464283	-0.637649920	-0.20	-0.	
88								
## 70	-0.832848280	-0.85500443	-0.2397250	-0.28363441	-0.320929940	0.08	-0.	
12								
## 71	-0.414781160	-0.73119938	0.1647686	0.54028383	0.218721740	-0.32	-0.	
76								
## 72	-0.349559030	-0.71014508	0.1381383	0.53742870	0.142599440	-0.24	-0.	
76								
## 73	-0.925220130	-0.90816170	-0.4358503	-0.45740273	-0.503761290	-0.20	-1.	
00								
## 74	-0.975051590	-0.99115560	-0.9436990	-0.93912029	-1.000000000	-0.16	-1.	
00								
## 75	-0.982118910	-0.98637663	-0.9027237	-1.00000000	-1.000000000	-0.12	-0.	
12								
## 76	-0.993360690	-0.98992082	-1.0000000	-1.00000000	-1.000000000	-0.28	0.	
08								
## 77	-0.996258190	-0.98699438	-1.0000000	-1.00000000	-1.000000000	0.00	0.	
08								
## 78	-0.989686840	-0.98779196	-1.0000000	-1.00000000	-1.000000000	0.12	-0.	

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79 -0.410271440 -0.64509966 0.6651367 0.56372869 0.131521590 -0.32 -0.
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84 -0.352237820 -0.55430835 0.4366041 0.52779536 0.405999070 -0.48 -0.
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85 -0.406380510 -0.49431541 0.6613912 0.58928407 0.378260770 -0.32 -0.
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86 -0.241968450 -0.57691109 0.6265589 0.61046747 0.386674480 -0.32 -0.
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89 -0.375480430 -0.56248189 0.6212255 0.55997351 0.342296880 -0.48 -0.
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93 -0.139482610 -0.46224364 0.6475721 0.75100913 0.432906820 -0.48 -0.
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94 -0.179262540 -0.52305250 0.6860613 0.77060412 0.278027080 -0.48 -0.
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95 -0.354471140 -0.48763629 0.6947629 0.61169706 0.414692350 -0.28 -0.
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134 -0.385632660 -0.26238919 0.7159055 0.56480667 0.497789730 -0.68 -0.
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152 -0.653586820 -0.71500045 0.3387240 0.20972026 0.090247872 -0.72 -0.
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153 -0.680074210 -0.78723207 0.2615774 0.33377566 -0.023108747 -0.88 -0.

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## 154	-0.514770080	-0.71769208	0.3455691	0.42532153	0.081859556	-0.88	-0.44
## 155	-0.461015080	-0.58908771	0.4047198	0.49958018	0.172803060	-0.32	-0.48
## 156	-0.545209640	-0.69703097	0.4340955	0.38459932	0.133053940	-0.28	-0.44
## 157	-0.626526400	-0.64583762	0.4577116	0.33560234	0.141511620	-0.88	-0.40
## 158	-0.499586370	-0.64970340	0.4270923	0.41894963	0.169511970	-0.88	-0.72
## 159	-0.611832250	-0.72783463	0.5058570	0.28486459	0.113616450	-0.88	-0.88
## 160	-0.621057170	-0.71064541	0.4012443	0.28338038	0.012289068	-0.88	-0.88
## 161	-0.450371170	-0.65140250	0.4237100	0.36582629	0.104094100	-0.88	-0.88
## 162	-0.546686220	-0.68371657	0.4179177	0.33887923	0.107884130	-0.72	-0.88
## 163	-0.586903810	-0.76360790	0.3982216	0.31566544	-0.064575600	-0.36	-0.88
## 164	-0.496397130	-0.80375698	0.4216279	0.38991030	-0.058183882	-0.32	-0.88
## 165	-0.654329280	-0.78898389	0.3771208	0.34942531	-0.040443826	-0.72	-0.88
## 166	-0.678637420	-0.74760224	0.1979828	0.18214324	-0.022251440	-0.88	-0.88
## 167	-0.645317440	-0.79961611	0.1356273	0.20635136	0.007925612	-0.88	-0.88
## 168	-0.578912540	-0.78434433	0.3004982	0.36181892	0.048318977	-0.88	-0.88
## 169	-0.426438530	-0.75025336	0.4133454	0.54421694	0.022314449	-0.88	-0.88
## 170	-0.381112330	-0.70103782	0.4189300	0.55733313	0.068372659	-0.88	-0.88
## 171	-0.584993550	-0.74913653	0.3600102	0.34198529	0.034288472	-0.88	-0.88
## 172	-0.531622760	-0.71459318	0.3238679	0.47281490	0.052543230	-0.16	-0.48
## 173	-0.333047740	-0.75328579	0.3413291	0.45532843	0.031723749	-0.24	-0.44
## 174	-0.518407310	-0.75286547	0.4465942	0.46158159	0.061729402	-0.24	-0.48
## 175	-0.632914630	-0.71730209	0.3575005	0.33470299	0.027462688	-0.88	-0.48
## 176	-0.476674630	-0.74776054	0.5103603	0.38541743	-0.029682998	-0.32	-0.40
## 177	-0.988590810	-0.98456765	-1.0000000	-1.0000000	-1.000000000	-0.16	-0.76
##	NA	NA	NA	NA	NA	NA	

## 1	-1.00	0.870384510	0.210697000	0.26370789	-0.703685770	-0.90374251
## 2	-0.32	0.608513520	-0.053675613	0.06314827	-0.630304950	-0.91039449
## 3	-0.28	0.115434000	-0.193436340	0.03825433	-0.594758830	-0.92354104
## 4	-0.28	0.035798053	-0.093035847	0.16809523	-0.263851400	-0.75722852
## 5	0.04	0.273350200	0.079135382	0.29238418	-0.522157110	-0.81298725
## 6	0.52	0.328835890	0.054771404	0.32094497	-0.594628710	-0.90533841
## 7	0.00	0.356404110	0.050785859	0.20893077	-0.298142240	-0.65219086
## 8	-0.04	0.294943480	0.022930174	0.02694164	-0.606378320	-0.87103902
## 9	-0.04	0.286449480	0.152200080	0.25011504	-0.477107310	-0.79942107
## 10	-0.08	0.211778580	-0.041894735	0.02995693	-0.488761080	-0.86825037
## 11	-0.68	0.298147060	-0.116641590	0.07587141	-0.427557230	-0.79356544
## 12	0.04	0.362423010	0.085267402	0.23596642	-0.474231640	-0.84250823
## 13	-0.28	0.272144630	0.197263570	0.14741231	-0.374494320	-0.74681725
## 14	-0.16	0.270963850	0.170853970	-0.02255032	-0.401720880	-0.83619668
## 15	-0.48	0.431678730	-0.311964500	-0.06730017	-0.536218580	-0.89823199
## 16	0.04	0.293521350	-0.038750943	0.31368835	-0.627149320	-0.90234856
## 17	-0.52	0.298100650	0.042417242	0.21892784	-0.246761530	-0.62983069
## 18	-0.24	0.239296220	-0.067847456	0.13728835	-0.510274530	-0.82855905
## 19	-0.44	0.328290760	-0.052247515	0.06668089	-0.575663850	-0.85813461
## 20	0.00	0.153222510	-0.008567331	0.23363094	-0.769501100	-0.94713002
## 21	-0.28	0.302778950	0.145946530	0.08777639	-0.617007450	-0.90432600
## 22	0.04	0.321051150	0.308977270	0.40567757	-0.550060990	-0.86323966
## 23	-0.04	0.315472120	0.151835270	0.27388505	-0.438127310	-0.84857989
## 24	-0.40	0.307074080	0.087754562	0.19355673	-0.594439550	-0.87283076
## 25	0.28	0.478843330	0.169540350	0.32078760	-0.296682110	-0.73768773
## 26	0.32	0.223872220	0.236000150	0.29543031	-0.497287250	-0.87555034
## 27	0.00	0.467846190	0.201639270	0.29315673	0.184093630	-0.20675026
## 28	-1.00	0.259880550	-0.598503440	-0.27117090	-0.276026620	-0.77156238
## 29	0.04	0.187730560	-0.198845260	0.22072527	-0.424358980	-0.79994498
## 30	0.04	0.460114210	0.031410500	0.16349957	-0.662650550	-0.91872901
## 31	-0.96	-0.006406553	-0.604098500	-1.00000000	0.071059033	-0.42897192
## 32	-0.92	-0.245814910	-0.601925070	-0.94151016	-0.242352300	-0.71242425
## 33	-0.88	0.263047660	-0.549491890	-0.58818391	0.250695100	-0.23621787
## 34	-0.48	0.240032130	-0.226336210	-0.12355492	-0.625218520	-0.92750631
## 35	-0.44	0.410774550	0.209076250	-0.08994818	-0.532493190	-0.88636602
## 36	-0.32	0.234097900	0.303833850	0.24861129	-0.596795520	-0.87159158
## 37	-0.28	0.249081440	0.230650290	0.13494586	-0.466915860	-0.81330780
## 38	0.32	0.157007750	0.055799457	0.08142481	-0.563828650	-0.86793341
## 39	-0.12	0.273963040	-0.297175150	0.11202399	-0.368269730	-0.74708896
## 40	-0.40	0.378709750	0.161354560	0.08031657	-0.232272470	-0.74198267
## 41	-0.40	0.014616459	0.109348470	0.08422511	-0.506320380	-0.84918184
## 42	-0.36	0.031498302	0.224320890	0.08030522	-0.619408140	-0.91815573
## 43	-0.16	0.283633610	0.029142162	0.11532156	-0.616825980	-0.91265509
## 44	-0.28	0.326857550	0.149419060	0.31863939	-0.607611960	-0.87976862
## 45	-0.24	0.256640230	0.291651150	0.09012413	-0.725764840	-0.94173030
## 46	-0.20	0.215328580	0.015661251	-0.01866270	-0.259207410	-0.64492619
## 47	-0.20	0.227294420	0.126603340	0.11905236	0.308725330	0.07941842
## 48	-0.20	0.280923370	-0.048640788	0.13977148	-0.426814450	-0.80550025
## 49	-0.40	0.245466650	0.006360147	-0.01846428	-0.166662380	-0.61766035
## 50	-0.40	0.300477840	0.104530590	0.24729601	-0.432656810	-0.82977503

## 51	0.04	0.392535400	0.154774560	0.43060319	-0.614694190	-0.88959988
## 52	-0.44	-0.054980692	-0.166353430	-0.12840717	-0.408992360	-0.84805415
## 53	0.16	0.152576040	0.087052284	0.16369105	-0.476008670	-0.84927081
## 54	-0.56	0.249632450	0.102151850	0.25505110	-0.629488670	-0.90305949
## 55	-0.24	0.254816150	0.178791820	0.43735373	-0.323029790	-0.72167728
## 56	-0.20	0.168071250	0.303643110	0.33697381	-0.597141330	-0.92467389
## 57	-0.24	0.187720100	0.275884060	0.18979962	-0.474653950	-0.79309229
## 58	0.08	0.149532160	0.142851660	0.44449049	-0.315409480	-0.64125802
## 59	0.12	0.126268740	0.047782148	0.18853112	-0.528144240	-0.86048152
## 60	0.04	0.160048740	0.276633320	0.10515966	-0.627250610	-0.92584221
## 61	0.20	0.180982510	0.174287760	0.43300776	-0.514409430	-0.82476222
## 62	-0.16	0.265143770	0.182162160	0.31662248	-0.412157360	-0.75637146
## 63	0.16	0.239106500	0.062977287	0.26689833	-0.678267880	-0.93035126
## 64	0.16	0.262981730	0.151033540	0.28121312	-0.589475370	-0.88473559
## 65	-0.04	0.015272279	0.391993640	-0.02135718	-0.556616170	-0.82629940
## 66	-0.16	0.084542057	-0.003190855	0.11757263	-0.533933910	-0.90130044
## 67	-0.72	-0.346337740	-0.868525060	-0.55169544	-0.657140560	-0.92745709
## 68	-0.72	-0.402187610	-0.879951110	-0.58193048	-0.635300470	-0.90537285
## 69	-0.88	0.018574341	-0.477699620	-0.18934396	-0.309238520	-0.77131015
## 70	-0.36	0.128185320	-0.192542110	-0.41708085	-0.148498050	-0.65376594
## 71	-0.72	-0.089937610	-0.245490300	-0.29874883	-0.669772080	-0.92913410
## 72	-0.68	-0.068720793	-0.243446760	-0.26722372	-0.611178450	-0.92357875
## 73	-0.52	-0.283167860	-0.353021180	0.07558809	-0.320341990	-0.78821669
## 74	-0.08	0.255911290	-0.553216760	0.14471338	-0.389663860	-0.80537578
## 75	-0.48	0.279288250	0.001172976	-0.02100248	-0.391210900	-0.81890697
## 76	-0.04	0.230982370	0.238524670	0.08736471	-0.432352860	-0.78374833
## 77	0.04	0.140042410	0.111757250	0.31428141	-0.462318710	-0.84219929
## 78	-0.20	0.211051620	0.089327877	0.24773636	-0.486300810	-0.85162061
## 79	-0.32	-0.352554420	-0.520371050	0.05423699	-0.412856340	-0.83456258
## 80	-0.20	-0.289005870	-0.316830680	-0.18418296	-0.136743590	-0.66765604
## 81	-0.20	-0.134446240	-0.481985960	-0.04421427	-0.253163650	-0.68797046
## 82	-0.48	-0.276362490	-0.465123230	-0.32863964	-0.150466350	-0.63777661
## 83	-0.48	-0.381210790	-0.375564710	-0.30822461	-0.200684800	-0.73430695
## 84	-0.48	-0.180471020	-0.138494410	-0.13384882	-0.130031500	-0.65639438
## 85	-0.48	-0.330580840	-0.492023070	-0.27933850	-0.281336570	-0.76379392
## 86	-0.12	-0.345606670	-0.489902390	-0.14728448	0.129271210	-0.37300511
## 87	-0.44	-0.332986790	-0.401323810	-0.41857923	-0.238513220	-0.66540428
## 88	-0.32	-0.219178720	-0.452316640	-0.33949949	-0.139920190	-0.58528405
## 89	-0.20	-0.229217400	-0.449689060	-0.06787222	-0.148322440	-0.63225960
## 90	-0.20	-0.318310920	-0.485382180	-0.08352900	-0.061615380	-0.55097008
## 91	-0.08	-0.392358750	-0.274769840	-0.32646668	-0.178386850	-0.68603624
## 92	-0.08	-0.359667860	-0.228486780	-0.13327222	-0.267095110	-0.75398183
## 93	-0.28	-0.216483070	-0.470084840	-0.06296673	-0.065043215	-0.57453733
## 94	-0.20	-0.243286370	-0.412748970	0.06757033	-0.231066840	-0.73860316
## 95	-0.48	-0.331318360	-0.559033940	-0.22841367	-0.071518710	-0.59887154
## 96	-0.48	-0.331815000	-0.344648510	-0.23217950	0.071211582	-0.42246746
## 97	-0.52	-0.342772250	-0.378649940	-0.30493266	0.023584523	-0.52328736
## 98	0.08	-0.192872100	-0.178049850	-0.10522578	-0.017478730	-0.51535055
## 99	-0.20	-0.184624350	-0.446856090	-0.18124728	-0.293908550	-0.78265801
## 100	-0.28	-0.073983134	-0.413338350	-0.05150952	-0.299782800	-0.77890238

## 101	-0.36	-0.114936540	-0.225185610	0.05918218	-0.287959770	-0.74474152
## 102	-0.16	-0.057830859	-0.184909370	-0.22832287	-0.381869010	-0.82706498
## 103	-0.08	-0.086241252	-0.178531760	-0.35050674	-0.351408430	-0.79943647
## 104	-0.12	-0.271681540	-0.466369570	-0.43938567	-0.110851440	-0.61508879
## 105	-0.24	-0.317790520	-0.410972970	-0.36270218	-0.303001540	-0.76300981
## 106	-0.48	-0.250847750	-0.474016200	-0.04400893	-0.115944610	-0.60991680
## 107	-0.48	-0.191355590	-0.540937190	-0.23146966	-0.007055681	-0.46200334
## 108	-0.48	-0.059079043	-0.398276270	-0.23338101	-0.248395160	-0.70034811
## 109	-0.20	-0.007655887	-0.303390660	-0.28942290	-0.098444902	-0.61154656
## 110	-0.20	-0.047169782	-0.311082020	-0.21587245	-0.209274700	-0.62060736
## 111	-0.24	-0.162028130	-0.374847260	-0.23736969	-0.111090810	-0.59456608
## 112	0.00	-0.243111420	-0.167227100	-0.13925351	-0.501337740	-0.89102364
## 113	-0.28	-0.127713070	-0.426190910	0.04309276	-0.454197340	-0.83255296
## 114	-0.08	-0.169694180	-0.381895910	-0.03749856	-0.063198476	-0.54878282
## 115	-0.48	-0.356282200	-0.550763990	-0.14688551	-0.084351938	-0.57450921
## 116	-0.12	-0.271107810	-0.664585780	-0.20774195	-0.140305300	-0.63730333
## 117	-0.12	-0.166036400	-0.620376600	-0.43162317	-0.229969450	-0.74483471
## 118	-0.48	-0.267513700	-0.334539560	-0.40371659	-0.122370690	-0.63647215
## 119	-0.20	0.004542003	-0.291633140	-0.35860352	-0.211904560	-0.69488062
## 120	-0.52	-0.323090100	-0.287335260	-0.60851107	-0.027279444	-0.48536793
## 121	-0.16	-0.255003670	-0.446516840	-0.48668632	-0.161372530	-0.63879098
## 122	-0.16	-0.193775610	-0.175663880	-0.36469334	-0.341535370	-0.72830596
## 123	-0.52	-0.295475280	-0.274065560	-0.39676247	-0.295949780	-0.72368706
## 124	-0.48	-0.410939620	-0.610553410	-0.48784869	-0.267682130	-0.72840083
## 125	-0.52	-0.132528450	-0.523385060	-0.40734420	-0.184558150	-0.67196123
## 126	-0.28	-0.195135810	-0.226247450	-0.14740992	-0.405838600	-0.79644307
## 127	-0.28	-0.140235580	-0.196698350	0.13527624	-0.237476810	-0.74210969
## 128	0.00	-0.238833040	-0.483521490	0.13610791	-0.428696940	-0.84658223
## 129	0.08	-0.280084540	-0.452922460	0.08742917	-0.270275820	-0.72315273
## 130	0.08	-0.353904410	-0.413993560	0.05014936	-0.461598910	-0.84048604
## 131	-0.36	-0.262410120	-0.487292880	-0.18398575	-0.551370470	-0.88601091
## 132	-0.08	-0.176864760	-0.334501460	-0.05817107	-0.529797820	-0.87616910
## 133	-0.20	-0.191936170	-0.222003300	0.12116946	-0.386195180	-0.80801453
## 134	-0.20	-0.310422160	-0.466825300	0.39894588	-0.444469460	-0.83152254
## 135	-0.44	-0.016140638	-0.222306700	0.20508578	-0.507269210	-0.87911649
## 136	-0.20	-0.200069380	-0.340319770	-0.17508936	-0.245297420	-0.69691762
## 137	-0.32	-0.230615760	-0.420187980	0.20105257	-0.399272160	-0.84590395
## 138	-0.04	-0.232437090	-0.576305810	-0.05654591	-0.689052100	-0.93760179
## 139	-0.04	-0.115551780	-0.528505170	0.04177160	-0.236540390	-0.69008490
## 140	-0.12	-0.513217120	-0.540051040	-0.20146557	-0.288666710	-0.76017201
## 141	-0.12	-0.224003870	-0.087172286	0.06015677	-0.403637350	-0.83634216
## 142	-0.16	-0.150818590	-0.127035790	-0.05694928	0.181797050	-0.17122527
## 143	-0.24	-0.321803170	-0.356993080	-0.14241632	-0.175366100	-0.65839999
## 144	-0.08	-0.294788860	-0.210691030	-0.11374115	-0.187532710	-0.65433439
## 145	-0.12	-0.273274210	-0.450206000	-0.44636541	-0.058279609	-0.53188376
## 146	-0.16	-0.222751040	-0.392696930	-0.36882117	-0.178323470	-0.64726629
## 147	-0.12	-0.312756650	-0.325615880	-0.31797483	-0.400601550	-0.77253719
## 148	-0.16	-0.112981510	-0.390527900	-0.13860559	-0.244872320	-0.73922437
## 149	-0.04	-0.191088430	-0.311940820	-0.04712262	-0.192994380	-0.53873500
## 150	-0.24	-0.320970710	-0.219089050	-0.01054931	-0.351225580	-0.74189165

## 151	-0.20	-0.271729760	-0.481095770	-0.75439631	-0.308111550	-0.78575353
## 152	-0.64	-0.369058930	-0.254321840	-0.78493488	-0.210714320	-0.66783664
## 153	-0.96	-0.536079010	-0.590728850	-0.60613227	-0.233768960	-0.66315420
## 154	-0.88	-0.554327130	-0.386788430	-0.50516342	-0.254728980	-0.68480104
## 155	-0.96	-0.448798420	-0.502353970	-0.53430909	0.019406691	-0.47783610
## 156	-0.96	-0.429619600	-0.680114990	-0.44432121	-0.542252710	-0.90964031
## 157	-0.96	-0.294879190	-0.708329660	-0.46002336	-0.416242990	-0.81523527
## 158	-0.96	-0.221701650	-0.474956780	-0.44670790	-0.222034000	-0.69977552
## 159	-0.96	-0.357681110	-0.561097950	-0.36474898	-0.244695280	-0.75502377
## 160	-0.96	-0.523293430	-0.522396980	-0.76434704	-0.148415490	-0.68725968
## 161	-0.04	-0.488243600	-0.543183950	-0.61933715	-0.257491070	-0.73204928
## 162	-0.88	-0.429211060	-0.446701240	-0.58342019	-0.384793210	-0.82749845
## 163	-0.96	-0.353320500	-0.583237930	-0.47621482	-0.227803600	-0.71992834
## 164	-0.96	-0.346888700	-0.449218030	-0.64292802	-0.496691380	-0.88539830
## 165	-0.96	-0.235986950	-0.319506030	-0.72967527	-0.194548780	-0.69432433
## 166	-0.96	-0.450780470	-0.582321720	-0.43787111	0.029892182	-0.50287756
## 167	-0.96	-0.519384720	-0.469470070	-0.54594667	-0.009211363	-0.52610467
## 168	-0.96	-0.424085370	-0.480054770	-0.70853669	-0.062629718	-0.61341799
## 169	-0.96	-0.344234460	-0.486037460	-0.40647624	-0.242425070	-0.70974697
## 170	-0.88	-0.324508060	-0.560952410	-0.48576606	-0.462088560	-0.83551725
## 171	-0.88	-0.471925630	-0.784185700	-0.44975370	-0.320549850	-0.76389699
## 172	-0.48	-0.362143090	-0.640596220	-0.40637380	-0.247977850	-0.76882175
## 173	-0.88	-0.462080400	-0.573269790	-0.63740271	-0.474202710	-0.84486746
## 174	-0.88	-0.567500510	-0.619785930	-0.49726850	-0.387402590	-0.79628582
## 175	-0.96	-0.318140220	-0.638267670	-0.45830215	-0.139219360	-0.66248620
## 176	-0.96	-0.249508630	-0.368882220	-0.52716644	-0.421078880	-0.83042856
## 177	-0.56	0.489125010	0.035155548	0.27919699	-0.466932880	-0.75514981
##		NA	NA	NA	NA	NA
## 1	-0.582573620	-0.93631005	-0.50734474	-0.8055359	-0.9999865	-0.9999796
## 2	-0.414423540	-0.85058640	-0.65553468	-0.9159869	-0.9999963	-0.9999797
## 3	-0.528934210	-0.91298509	-0.80340654	-0.9801332	-0.9999936	-0.9999443
## 4	-0.396039260	-0.82963474	-0.57703837	-0.8933748	-0.9999978	-0.9999651
## 5	-0.496559960	-0.90390837	-0.76436937	-0.9662039	-0.9999953	-0.9999829
## 6	-0.664972250	-0.95645992	-0.72259902	-0.9432911	-0.9999878	-0.9999855
## 7	-0.643008520	-0.94989992	-0.42013736	-0.8325819	-0.9999879	-0.9999797
## 8	-0.635874720	-0.95316199	-0.38012059	-0.7717600	-0.9999924	-0.9999718
## 9	-0.490461150	-0.91272572	-0.27934516	-0.6318599	-0.9999966	-0.9999795
## 10	-0.449148030	-0.87360518	-0.57461666	-0.8565246	-0.9999799	-0.9999387
## 11	-0.490969590	-0.87628926	-0.70412647	-0.9151155	-0.9999760	-0.9999436
## 12	-0.620583670	-0.93297361	-0.50988745	-0.8681000	-0.9999978	-0.9999827
## 13	-0.500929850	-0.87757848	-0.46694007	-0.8220289	-0.9999987	-0.9999874
## 14	-0.443383650	-0.84957493	-0.42595412	-0.7613189	-0.9999973	-0.9999824
## 15	-0.724212230	-0.98881084	-0.54599422	-0.8719334	-0.9999925	-0.9999489
## 16	-0.726632320	-0.97283829	-0.55794170	-0.8965090	-0.9999895	-0.9999749
## 17	-0.642590880	-0.96469286	-0.62482303	-0.8056657	-0.9999848	-0.9999825
## 18	-0.652622020	-0.95254813	-0.45411374	-0.8257815	-0.9999937	-0.9999819
## 19	-0.576404530	-0.90636310	-0.53642637	-0.8935255	-0.9999836	-0.9999834
## 20	-0.374994920	-0.79789946	-0.62805379	-0.9290909	-0.9999922	-0.9999672
## 21	-0.477982790	-0.86700641	-0.81807946	-0.9730895	-0.9999973	-0.9999654
## 22	-0.604320490	-0.95027667	-0.57593016	-0.9119584	-0.9999962	-0.9999837

## 23	-0.570532010	-0.94711670	-0.47651286	-0.8240605	-0.9999909	-0.9999841
## 24	-0.532634090	-0.87916417	-0.62329939	-0.8899067	-0.9999915	-0.9999867
## 25	-0.644418280	-0.95055734	-0.56248361	-0.8334021	-0.9999978	-0.9999756
## 26	-0.527150250	-0.89147165	-0.42819343	-0.7699307	-0.9999969	-0.9999787
## 27	-0.606522500	-0.94488394	-0.76557603	-0.9854489	-0.9999960	-0.9999991
## 28	-0.144367050	-0.56594391	-0.03264695	-0.2930160	-0.9999694	-0.9999574
## 29	-0.197726040	-0.57349656	-0.73217495	-0.9694135	-0.9999769	-0.9999689
## 30	-0.542161720	-0.92151213	-0.53053645	-0.8156604	-0.9999946	-0.9999792
## 31	-0.544480110	-0.93796314	-0.46751086	-0.8456485	-0.9965997	-0.9946565
## 32	-0.467138450	-0.88436374	-0.30870775	-0.7149273	-0.9950080	-0.9940763
## 33	-0.504714970	-0.89615422	-0.53958467	-0.8778192	-0.9988856	-0.9996025
## 34	-0.526276040	-0.89511420	-0.56528260	-0.8852258	-0.9999389	-0.9999322
## 35	-0.513405100	-0.88214453	-0.72271594	-0.9437076	-0.9999948	-0.9999919
## 36	-0.648194600	-0.95974488	-0.62070121	-0.8900834	-0.9999915	-0.9999869
## 37	-0.502987440	-0.90527840	-0.57254548	-0.9223785	-0.9999910	-0.9999933
## 38	-0.679948620	-0.98042196	-0.63726803	-0.9219292	-0.9999894	-0.9999826
## 39	-0.754410400	-0.96809423	-0.64257604	-0.9026279	-0.9999560	-0.9999361
## 40	-0.403010030	-0.82190541	-0.56465244	-0.8688646	-0.9999894	-0.9999526
## 41	-0.442449490	-0.88120972	-0.57125157	-0.8659839	-0.9999794	-0.9999575
## 42	-0.439844480	-0.86754679	-0.52833093	-0.8606803	-0.9999827	-0.9999426
## 43	-0.243003850	-0.72911083	-0.57583602	-0.8528235	-0.9999725	-0.9999681
## 44	-0.362719050	-0.84390963	-0.56608255	-0.8766445	-0.9999779	-0.9999877
## 45	-0.246431940	-0.67039582	-0.50472307	-0.7704737	-0.9999879	-0.9999653
## 46	-0.526459220	-0.91418336	-0.53003662	-0.8158500	-0.9999914	-0.9999648
## 47	-0.514712980	-0.89257552	-0.59001714	-0.8398502	-0.9999893	-0.9999659
## 48	-0.420206310	-0.82671719	-0.80478653	-0.9867385	-0.9999897	-0.9999704
## 49	-0.587478240	-0.95209849	-0.54739554	-0.8683123	-0.9999916	-0.9999682
## 50	-0.443232220	-0.86060118	-0.40619041	-0.8083157	-0.9999911	-0.9999773
## 51	-0.409157970	-0.84698752	-0.47945604	-0.7836249	-0.9999906	-0.9999614
## 52	-0.538937980	-0.93381380	-0.70516400	-0.9231404	-0.9997660	-0.9979645
## 53	-0.487328630	-0.88589751	-0.63591922	-0.9217835	-0.9999780	-0.9999390
## 54	-0.406005380	-0.82325562	-0.64212387	-0.8846184	-0.9999907	-0.9999520
## 55	-0.595289020	-0.89910221	-0.68460719	-0.9386473	-0.9999958	-0.9999391
## 56	-0.391188720	-0.80723466	-0.64121310	-0.9394417	-0.9999914	-0.9999557
## 57	-0.670539580	-0.96334594	-0.55800806	-0.8968347	-0.9999929	-0.9999264
## 58	-0.501052440	-0.88948972	-0.63883393	-0.8878616	-0.9999911	-0.9999177
## 59	-0.415815370	-0.83267618	-0.60809664	-0.8965705	-0.9999968	-0.9999445
## 60	-0.622651090	-0.95584841	-0.60521252	-0.8783701	-0.9999958	-0.9999410
## 61	-0.559186790	-0.90784473	-0.45973266	-0.8106777	-0.9999794	-0.9999313
## 62	-0.564537440	-0.93831463	-0.70498936	-0.9460993	-0.9999907	-0.9999250
## 63	-0.697570480	-0.98204202	-0.67494187	-0.9152739	-0.9999977	-0.9999358
## 64	-0.570082220	-0.94399886	-0.55071242	-0.8507134	-0.9999912	-0.9999380
## 65	-0.437048140	-0.86326250	-0.57736104	-0.8192970	-0.9977517	-0.9986566
## 66	-0.676546230	-0.95235169	-0.66823973	-0.9138662	-0.9999467	-0.9997829
## 67	-0.369720510	-0.84997282	-0.73264609	-0.9561950	-0.9932951	-0.9937294
## 68	-0.384601640	-0.84390728	-0.67760246	-0.9370398	-0.9918875	-0.9941158
## 69	-0.520410570	-0.93740534	-0.51689763	-0.8686356	-0.9994971	-0.9997007
## 70	-0.651696400	-0.94523733	-0.57951994	-0.9076291	-0.9956191	-0.9983298
## 71	-0.637576740	-0.93156171	-0.38864907	-0.7626876	-0.9801020	-0.9660877
## 72	-0.628350870	-0.93794062	-0.43098500	-0.8029336	-0.9866067	-0.9634052

## 73	-0.463163940	-0.88656996	-0.84374544	-0.9525562	-0.9977723	-0.9972067
## 74	-0.020890211	-0.39246349	-0.36140416	-0.7573047	-0.9999372	-0.9998721
## 75	-0.713880290	-0.96519615	-0.64604273	-0.9278048	-0.9999589	-0.9998872
## 76	-0.451197780	-0.85551590	-0.75796217	-0.9811188	-0.9999792	-0.9999640
## 77	-0.497460500	-0.90621673	-0.73681395	-0.9399274	-0.9999669	-0.9999472
## 78	-0.537498040	-0.93254149	-0.73661650	-0.9629829	-0.9999741	-0.9999193
## 79	-0.220164070	-0.72149239	-0.46517941	-0.8422007	-0.8510157	-0.6917314
## 80	-0.016548002	-0.53411100	-0.26703592	-0.6765774	-0.8036466	-0.6265507
## 81	-0.307514040	-0.81628191	-0.44366884	-0.8490434	-0.8148828	-0.7629799
## 82	-0.213108940	-0.74967550	-0.42610215	-0.8335913	-0.7768754	-0.7336914
## 83	-0.212308520	-0.70493029	-0.28299356	-0.6912771	-0.7665435	-0.7854631
## 84	-0.162331440	-0.66566429	-0.19078477	-0.6062173	-0.6836006	-0.8434512
## 85	-0.191997670	-0.73127305	-0.34808672	-0.7638978	-0.7162931	-0.7774702
## 86	0.054612688	-0.45142198	-0.49920070	-0.8681587	-0.8249323	-0.7093602
## 87	-0.089528226	-0.59627009	-0.63250551	-0.9459419	-0.8646644	-0.7441914
## 88	-0.180157910	-0.68643350	-0.57032531	-0.9006721	-0.7882059	-0.7539344
## 89	-0.284966660	-0.82141818	-0.20202429	-0.6120843	-0.7944064	-0.7283842
## 90	0.024486371	-0.45222264	-0.42100090	-0.7700433	-0.7819576	-0.6914047
## 91	0.402806920	0.04309494	-0.43904037	-0.8240622	-0.7498467	-0.7295781
## 92	-0.004220009	-0.54918388	-0.32667008	-0.7411881	-0.6255493	-0.7534678
## 93	-0.189087420	-0.71152228	-0.38595522	-0.7510011	-0.7109975	-0.7300584
## 94	-0.300213990	-0.80820890	-0.29789383	-0.7151923	-0.7681956	-0.7021175
## 95	-0.219387390	-0.74142536	-0.44542706	-0.8274270	-0.7875375	-0.7164062
## 96	0.021967599	-0.51935447	-0.36018113	-0.7450900	-0.8199053	-0.6581903
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## 98	0.076338631	-0.41557238	-0.12035292	-0.5777179	-0.8431671	-0.8311888
## 99	-0.251082560	-0.76924394	-0.44823371	-0.7909279	-0.7526308	-0.6470674
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## 177	-0.558695970	-0.91404660	-0.72028060	-0.9374390	-0.9999778	-0.9999882
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## 3	-0.99982744	-0.99984140	-0.9999222	-0.99990585	-0.9998736	-0.9999965
## 4	-0.99984325	-0.99986543	-0.9999959	-0.99993038	-0.9999417	-0.9999992
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## 10	-0.99991797	-0.99977498	-0.9998864	-0.99990932	-0.9998747	-0.9999947
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## 14	-0.99995806	-0.99995575	-0.9999359	-0.99995185	-0.9999696	-0.9999931
## 15	-0.99985341	-0.99982161	-0.9998333	-0.99986845	-0.9998360	-0.9998727
## 16	-0.99994087	-0.99992573	-0.9999158	-0.99992286	-0.9999174	-0.9999938
## 17	-0.99995068	-0.99984385	-0.9999585	-0.99992698	-0.9999531	-0.9999826
## 18	-0.99993210	-0.99989297	-0.9999501	-0.99990527	-0.9999352	-0.9999998
## 19	-0.99996042	-0.99992714	-0.9999050	-0.99991693	-0.9999620	-0.9999969
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## 25	-0.99996556	-0.99994285	-0.9999480	-0.99995104	-0.9999706	-0.9999539
## 26	-0.99992876	-0.99996118	-0.9999584	-0.99991968	-0.9999527	-0.9999990
## 27	-0.99993598	-0.99993648	-0.9999507	-0.99992941	-0.9999474	-0.9999914
## 28	-0.99951817	-0.99939548	-0.9997878	-0.99961827	-0.9998216	-0.9999710
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## 32	-0.98303949	-0.99451943	-0.9912833	-0.99252038	-0.9964610	-0.9999887
## 33	-0.99293027	-0.99751098	-0.9971842	-0.99848646	-0.9954245	-0.9949287
## 34	-0.99992319	-0.99977656	-0.9998362	-0.99979027	-0.9998969	-0.9999149
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## 50	-0.99991381	-0.99989625	-0.9999205	-0.99986757	-0.9999375	-0.9999935
## 51	-0.99996106	-0.99983588	-0.9998558	-0.99988282	-0.9998499	-0.9999697
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## 55	-0.99997014	-0.99990380	-0.9998902	-0.99991966	-0.9999644	-0.9999922
## 56	-0.99997187	-0.99988538	-0.9999192	-0.99995579	-0.9999054	-0.9999940
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## 59	-0.99995700	-0.99992460	-0.9999112	-0.99990584	-0.9999788	-0.9999991
## 60	-0.99996545	-0.99990735	-0.9998956	-0.99988743	-0.9999900	-0.9999967
## 61	-0.99994379	-0.99986845	-0.9998776	-0.99978934	-0.9999845	-0.9999744
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## 63	-0.99992656	-0.99991789	-0.9999491	-0.99977961	-0.9999649	-0.9999875
## 64	-0.99990363	-0.99984042	-0.9998738	-0.99977586	-0.9999359	-0.9999865
## 65	-0.99857736	-0.99077072	-0.9993813	-0.99202477	-0.9964076	-0.9999125
## 66	-0.99975780	-0.99965373	-0.9996134	-0.99980291	-0.9998746	-0.9999379
## 67	-0.99337318	-0.99385740	-0.9929815	-0.99607357	-0.9965683	-0.9995773
## 68	-0.99259981	-0.99319386	-0.9926324	-0.99516400	-0.9963572	-0.9999798
## 69	-0.99869706	-0.99915358	-0.9993821	-0.99929827	-0.9996895	-0.9993270
## 70	-0.98793725	-0.95789897	-0.9895112	-0.99121747	-0.9955438	-0.9968691
## 71	-0.93301155	-0.88860957	-0.9608550	-0.96647970	-0.9614874	-0.9999790
## 72	-0.93272000	-0.93394077	-0.9633093	-0.97284872	-0.9647651	-0.9973619
## 73	-0.99058719	-0.99824287	-0.9976258	-0.99851421	-0.9983199	-0.9998947
## 74	-0.99917262	-0.99932683	-0.9995539	-0.99961687	-0.9995362	-0.9999598
## 75	-0.99915069	-0.99944063	-0.9995471	-0.99966019	-0.9997067	-0.9999305
## 76	-0.99992615	-0.99987691	-0.9998322	-0.99987013	-0.9999311	-0.9999951
## 77	-0.99990577	-0.99984173	-0.9998792	-0.99987785	-0.9999194	-0.9999854
## 78	-0.99989111	-0.99966554	-0.9997346	-0.99978613	-0.9999307	-0.9999997
## 79	-0.61502969	-0.77833500	-0.8153980	-0.90451904	-0.9363922	-0.9771978
## 80	-0.57060659	-0.66421903	-0.9075072	-0.86888258	-0.9026950	-0.9478925
## 81	-0.68226991	-0.55556361	-0.8390429	-0.83772257	-0.8241314	-0.9585321
## 82	-0.58120438	-0.51739857	-0.8665061	-0.87538819	-0.9141262	-0.9751472
## 83	-0.64051066	-0.62673174	-0.9315871	-0.86948121	-0.9630355	-0.9933004
## 84	-0.80563060	-0.62415838	-0.8779956	-0.92717176	-0.8636200	-0.9365016
## 85	-0.51617396	-0.48371548	-0.9384282	-0.91743613	-0.8527412	-0.9822943
## 86	-0.25512837	-0.43243508	-0.9445440	-0.85486539	-0.9386180	-0.9886779
## 87	-0.80085618	-0.81639774	-0.9533270	-0.82029093	-0.9267915	-0.9606993
## 88	-0.67527427	-0.74064235	-0.8541819	-0.82731031	-0.8836568	-0.9798198
## 89	-0.70720212	-0.61256979	-0.7805564	-0.85003370	-0.8935969	-0.9788404
## 90	-0.57300328	-0.57311082	-0.7879140	-0.82304418	-0.9518725	-0.9983081
## 91	-0.64345217	-0.65098033	-0.8567935	-0.84687684	-0.9649410	-0.9994839
## 92	-0.72378734	-0.72055802	-0.8879877	-0.79238045	-0.9341682	-0.9995444
## 93	-0.63489097	-0.57619658	-0.9150337	-0.80033797	-0.6790953	-0.9909808
## 94	-0.30460247	-0.72021651	-0.9003654	-0.79742187	-0.7572640	-0.9974734

## 95	-0.09209173	-0.72202943	-0.8531564	-0.85693943	-0.8147090	-0.9999260
## 96	-0.33354579	-0.68416919	-0.8733440	-0.93851024	-0.8354383	-0.9698038
## 97	-0.21980260	-0.79208618	-0.9590647	-0.79026775	-0.8882958	-0.9925955
## 98	-0.38434907	-0.80122000	-0.8972047	-0.81902087	-0.7902460	-0.9060949
## 99	-0.53230161	-0.64127094	-0.8973007	-0.76385163	-0.6827345	-0.9511817
## 100	-0.53562418	-0.51446552	-0.8721055	-0.63545355	-0.5109413	-0.8885964
## 101	-0.56738837	-0.64341052	-0.8089860	-0.78173572	-0.5925454	-0.9170811
## 102	-0.38970311	-0.73045680	-0.6719825	-0.73019443	-0.6117906	-0.9314143
## 103	-0.51615484	-0.65922773	-0.8026719	-0.83240630	-0.7406589	-0.9907155
## 104	-0.54275696	-0.61061710	-0.8953210	-0.83197564	-0.9354467	-0.9962900
## 105	-0.58031015	-0.70002775	-0.7874977	-0.86153430	-0.8991022	-0.9973165
## 106	-0.65563733	-0.68696600	-0.7880817	-0.85240267	-0.8869974	-0.9621204
## 107	-0.63186467	-0.51020233	-0.7914369	-0.75409084	-0.8229345	-0.9951051
## 108	-0.51732206	-0.61932099	-0.7724186	-0.65653726	-0.7465904	-0.9760329
## 109	-0.52789349	-0.72984535	-0.8446330	-0.70887052	-0.6905794	-0.9479082
## 110	-0.51676724	-0.62825859	-0.9059240	-0.57100746	-0.7749456	-0.9116780
## 111	-0.53815412	-0.57259103	-0.9269221	-0.70646929	-0.7367561	-0.9755232
## 112	-0.69867113	-0.51172161	-0.7990343	-0.67926529	-0.8757742	-0.9994388
## 113	-0.63038874	-0.50521585	-0.7757239	-0.67683555	-0.7641258	-0.9976849
## 114	-0.60524952	-0.59000040	-0.8230937	-0.69874401	-0.9194362	-0.9842878
## 115	-0.63279105	-0.66210527	-0.8952312	-0.81072647	-0.9796660	-0.9996755
## 116	-0.56434695	-0.64032271	-0.9056363	-0.79245562	-0.9216496	-0.9942391
## 117	-0.41949668	-0.56786115	-0.8839564	-0.79091800	-0.8577036	-0.8706036
## 118	-0.45113838	-0.49600699	-0.8846124	-0.82160165	-0.9097727	-0.9808817
## 119	-0.63810096	-0.80628848	-0.9007071	-0.79306542	-0.8595316	-0.7906836
## 120	-0.47847195	-0.87616793	-0.8467940	-0.90187560	-0.9260569	-0.9858199
## 121	-0.48941648	-0.84547282	-0.8297883	-0.83528005	-0.8667651	-0.9909182
## 122	-0.70344277	-0.79406815	-0.8703660	-0.83224260	-0.8454014	-0.9977478
## 123	-0.55566493	-0.73906033	-0.8669578	-0.87096288	-0.8859092	-0.9792497
## 124	-0.54486157	-0.75446994	-0.8991283	-0.84452838	-0.9216706	-0.9977523
## 125	-0.52517156	-0.68001298	-0.9203398	-0.83736846	-0.9067588	-0.8973402
## 126	-0.58163325	-0.72345653	-0.8049225	-0.80030241	-0.8306211	-0.9990285
## 127	-0.49246743	-0.59690318	-0.8339658	-0.84671753	-0.7847346	-0.9707261
## 128	-0.50911244	-0.48020004	-0.8229427	-0.82647367	-0.9069395	-0.9991972
## 129	-0.52004621	-0.60413794	-0.9121025	-0.83760480	-0.9309206	-0.9497079
## 130	-0.55662172	-0.55872867	-0.7647012	-0.73769235	-0.8203802	-0.9997893
## 131	-0.54034290	-0.24644625	-0.7155826	-0.70864535	-0.8501738	-0.9883710
## 132	-0.53879168	-0.38462681	-0.4910132	-0.82724619	-0.9531006	-0.9838115
## 133	-0.68344657	-0.69548577	-0.5272504	-0.86746338	-0.9121274	-0.9696116
## 134	-0.62250705	-0.59602422	-0.8279702	-0.88466063	-0.9005783	-0.9823881
## 135	-0.49303677	-0.09061318	-0.6473273	0.01557063	-0.7758379	-0.9482435
## 136	-0.21543439	-0.36420850	-0.7647560	-0.65991061	-0.8869211	-0.8530567
## 137	-0.14366841	-0.68261115	-0.7426337	-0.56279409	-0.6955843	-0.8951421
## 138	-0.58722787	-0.49563632	-0.6358010	-0.27379957	-0.7811236	-0.9699158
## 139	-0.67476368	-0.44475428	-0.6035062	-0.55525242	-0.8902097	-0.8575491
## 140	-0.32902854	-0.76689017	-0.8136802	-0.89624266	-0.9510503	-0.9577141
## 141	-0.43144779	-0.49033534	-0.7314032	-0.64881445	-0.7606608	-0.9172146
## 142	-0.44684470	-0.56483950	-0.7726798	-0.46914612	-0.8017712	-0.9642156
## 143	-0.47589874	-0.76919917	-0.8195261	-0.80724801	-0.7915933	-0.9228523
## 144	-0.50377169	-0.58469374	-0.8020122	-0.75473402	-0.8742881	-0.9499416

## 145	-0.12769045	-0.66044881	-0.8089796	-0.75452616	-0.8843085	-0.9521673
## 146	-0.34197246	-0.61102975	-0.6180304	-0.62066525	-0.9343360	-0.9797077
## 147	-0.75049545	-0.74395031	-0.6922156	-0.69466101	-0.7854205	-0.9896360
## 148	-0.35781987	-0.85955178	-0.8483855	-0.63538180	-0.7273996	-0.9642265
## 149	-0.34974831	-0.67314516	-0.8287891	-0.48513446	-0.8411465	-0.9986782
## 150	-0.61082147	-0.59592959	-0.8189346	-0.64478235	-0.9018924	-0.9938402
## 151	-0.81272942	-0.97658260	-0.9137578	-0.87580852	-0.9109940	-0.9999048
## 152	-0.88126006	-0.95299517	-0.9475265	-0.90704705	-0.9539571	-0.9986800
## 153	-0.91163652	-0.96365745	-0.9663665	-0.95116643	-0.9725211	-0.9976242
## 154	-0.88779817	-0.93903722	-0.9647924	-0.97163404	-0.9590194	-0.9971674
## 155	-0.77923544	-0.92413486	-0.9616062	-0.95197300	-0.9657923	-0.9991891
## 156	-0.83151685	-0.89305800	-0.9335431	-0.95949898	-0.9707948	-0.9776459
## 157	-0.79263249	-0.92338389	-0.9163489	-0.93144849	-0.9232645	-0.9852158
## 158	-0.73571284	-0.90815800	-0.9203093	-0.90840385	-0.8450848	-0.9994743
## 159	-0.68708199	-0.83734449	-0.9321373	-0.91887932	-0.8834680	-0.9925677
## 160	-0.79951469	-0.89791545	-0.9766566	-0.92190438	-0.9692540	-0.9967050
## 161	-0.88549973	-0.93030142	-0.9715014	-0.89109772	-0.9808539	-0.9984984
## 162	-0.83645026	-0.91963270	-0.9486147	-0.90037442	-0.9728771	-0.9942812
## 163	-0.80036826	-0.94604801	-0.9494855	-0.94792268	-0.9557002	-0.9910688
## 164	-0.78301912	-0.95891485	-0.9195026	-0.90278577	-0.9670980	-0.9998774
## 165	-0.83646301	-0.92938326	-0.9330586	-0.93132729	-0.9569487	-0.9947822
## 166	-0.93784934	-0.93389304	-0.9827396	-0.97085759	-0.9702919	-0.9980578
## 167	-0.93876143	-0.97144536	-0.9898950	-0.97839534	-0.9835730	-0.9817344
## 168	-0.86046668	-0.94083958	-0.9787326	-0.94297067	-0.9711900	-0.9992223
## 169	-0.82368095	-0.86713036	-0.9103803	-0.97014196	-0.9616809	-0.9993296
## 170	-0.86911424	-0.89881888	-0.8730963	-0.96347228	-0.9738404	-0.9873340
## 171	-0.89813855	-0.95730971	-0.9596631	-0.95619160	-0.9687389	-0.9978260
## 172	-0.84354382	-0.93778734	-0.9590760	-0.95442747	-0.9725308	-0.9876566
## 173	-0.87204454	-0.89928717	-0.9652576	-0.95642430	-0.9830718	-0.9996157
## 174	-0.84387555	-0.90554887	-0.9502801	-0.95711271	-0.9838813	-0.9989337
## 175	-0.87970144	-0.88879762	-0.9703809	-0.90088022	-0.9637246	-0.9968832
## 176	-0.75380800	-0.93345523	-0.9455812	-0.77570945	-0.8841773	-0.9926986
## 177	-0.99994829	-0.99993419	-0.9999172	-0.99989861	-0.9997877	-0.9999894
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999823	-0.99997072	-0.9998110	-0.9994847	-0.9999808	-0.9998519
## 2	-0.9999867	-0.99995600	-0.9998767	-0.9999141	-0.9999744	-0.9999058
## 3	-0.9999628	-0.99980377	-0.9999227	-0.9998752	-0.9999085	-0.9998430
## 4	-0.9999781	-0.99982688	-0.9999824	-0.9999426	-0.9999268	-0.9999009
## 5	-0.9999883	-0.99994120	-0.9999587	-0.9999579	-0.9999748	-0.9999391
## 6	-0.9999866	-0.99991847	-0.9999058	-0.9999407	-0.9999674	-0.9998864
## 7	-0.9999830	-0.99993274	-0.9999253	-0.9999080	-0.9999644	-0.9999237
## 8	-0.9999799	-0.99994388	-0.9999047	-0.9999469	-0.9999632	-0.9999241
## 9	-0.9999867	-0.99995137	-0.9999490	-0.9999404	-0.9999778	-0.9999351
## 10	-0.9999531	-0.99984640	-0.9999002	-0.9998759	-0.9999356	-0.9997788
## 11	-0.9999545	-0.99986107	-0.9998909	-0.9997866	-0.9999423	-0.9997784
## 12	-0.9999893	-0.99997732	-0.9999895	-0.9999167	-0.9999875	-0.9999794
## 13	-0.9999928	-0.99998971	-0.9999813	-0.9999837	-0.9999943	-0.9999807
## 14	-0.9999889	-0.99995771	-0.9999509	-0.9999688	-0.9999797	-0.9999464
## 15	-0.9999653	-0.99981568	-0.9998476	-0.9998142	-0.9999205	-0.9997780
## 16	-0.9999806	-0.99993087	-0.9999254	-0.9999176	-0.9999664	-0.9999071

## 17	-0.9999834	-0.99990264	-0.9999558	-0.9999506	-0.9999724	-0.9998671
## 18	-0.9999870	-0.99990951	-0.9999413	-0.9999364	-0.9999681	-0.9998936
## 19	-0.9999835	-0.99994701	-0.9999158	-0.9999621	-0.9999763	-0.9999017
## 20	-0.9999768	-0.99997943	-0.9999284	-0.9999571	-0.9999818	-0.9999269
## 21	-0.9999780	-0.99995892	-0.9999385	-0.9999468	-0.9999800	-0.9999089
## 22	-0.9999892	-0.99992641	-0.9999366	-0.9999164	-0.9999754	-0.9998998
## 23	-0.9999871	-0.99993032	-0.9999482	-0.9999212	-0.9999708	-0.9999246
## 24	-0.9999891	-0.99994975	-0.9999532	-0.9999639	-0.9999843	-0.9999189
## 25	-0.9999848	-0.99995799	-0.9999587	-0.9999623	-0.9999793	-0.9999421
## 26	-0.9999864	-0.99993685	-0.9999528	-0.9999533	-0.9999664	-0.9999517
## 27	-0.9999990	-0.99993172	-0.9999516	-0.9999467	-0.9999793	-0.9999326
## 28	-0.9999604	-0.99936222	-0.9997141	-0.9998191	-0.9997876	-0.9993736
## 29	-0.9999712	-0.99986602	-0.9998943	-0.9999195	-0.9999552	-0.9997900
## 30	-0.9999856	-0.99992496	-0.9998845	-0.9999146	-0.9999813	-0.9998322
## 31	-0.9950566	-0.99137785	-0.9920709	-0.9966005	-0.9926739	-0.9918943
## 32	-0.9939735	-0.98414070	-0.9910807	-0.9965201	-0.9886611	-0.9899720
## 33	-0.9992487	-0.99330544	-0.9974996	-0.9945233	-0.9966828	-0.9964942
## 34	-0.9999306	-0.99985124	-0.9998174	-0.9998822	-0.9999197	-0.9997244
## 35	-0.9999938	-0.99988606	-0.9998517	-0.9999405	-0.9999722	-0.9997991
## 36	-0.9999892	-0.99998120	-0.9999199	-0.9999635	-0.9999854	-0.9999460
## 37	-0.9999931	-0.99993961	-0.9999601	-0.9999100	-0.9999784	-0.9999381
## 38	-0.9999855	-0.99990492	-0.9999595	-0.9999064	-0.9999611	-0.9999186
## 39	-0.9999408	-0.99960837	-0.9996998	-0.9997677	-0.9998353	-0.9995577
## 40	-0.9999663	-0.99980144	-0.9998908	-0.9998682	-0.9999248	-0.9997709
## 41	-0.9999650	-0.99993189	-0.9999272	-0.9999617	-0.9999527	-0.9999143
## 42	-0.9999569	-0.99990356	-0.9998609	-0.9999838	-0.9999519	-0.9998027
## 43	-0.9999687	-0.99992685	-0.9998695	-0.9999776	-0.9999705	-0.9998156
## 44	-0.9999836	-0.99995260	-0.9998577	-0.9999630	-0.9999818	-0.9998534
## 45	-0.9999737	-0.99991456	-0.9998575	-0.9999617	-0.9999710	-0.9997993
## 46	-0.9999750	-0.99984586	-0.9999183	-0.9999356	-0.9999604	-0.9997651
## 47	-0.9999748	-0.99985541	-0.9999237	-0.9999716	-0.9999712	-0.9997469
## 48	-0.9999778	-0.99986528	-0.9998834	-0.9999794	-0.9999653	-0.9997649
## 49	-0.9999773	-0.99985353	-0.9999208	-0.9999207	-0.9999388	-0.9998605
## 50	-0.9999829	-0.99989643	-0.9999059	-0.9999373	-0.9999579	-0.9998722
## 51	-0.9999724	-0.99990738	-0.9998687	-0.9998467	-0.9999677	-0.9998026
## 52	-0.9985920	-0.99806610	-0.9993072	-0.9984675	-0.9985915	-0.9972804
## 53	-0.9999525	-0.99989602	-0.9999385	-0.9999202	-0.9999500	-0.9998364
## 54	-0.9999665	-0.99996372	-0.9998693	-0.9999840	-0.9999698	-0.9998740
## 55	-0.9999605	-0.99994445	-0.9999069	-0.9999636	-0.9999616	-0.9998785
## 56	-0.9999692	-0.99993773	-0.9999413	-0.9999060	-0.9999692	-0.9998880
## 57	-0.9999510	-0.99989725	-0.9998998	-0.9998933	-0.9999425	-0.9998344
## 58	-0.9999447	-0.99989549	-0.9998852	-0.9999037	-0.9999329	-0.9998375
## 59	-0.9999643	-0.99994317	-0.9999154	-0.9999790	-0.9999597	-0.9998995
## 60	-0.9999617	-0.99994230	-0.9998973	-0.9999896	-0.9999608	-0.9998746
## 61	-0.9999481	-0.99990800	-0.9998449	-0.9999799	-0.9999416	-0.9998107
## 62	-0.9999491	-0.99992778	-0.9998237	-0.9999733	-0.9999401	-0.9998376
## 63	-0.9999592	-0.99991607	-0.9998889	-0.9999631	-0.9999438	-0.9998767
## 64	-0.9999577	-0.99986380	-0.9998368	-0.9999344	-0.9999338	-0.9997845
## 65	-0.9981357	-0.99482234	-0.9963158	-0.9964529	-0.9979677	-0.9907225
## 66	-0.9998384	-0.99966597	-0.9996730	-0.9998649	-0.9997823	-0.9995367

## 67	-0.9929858	-0.99205003	-0.9936838	-0.9965461	-0.9918503	-0.9912326
## 68	-0.9926046	-0.99114447	-0.9930749	-0.9964164	-0.9912481	-0.9903335
## 69	-0.9995848	-0.99860422	-0.9993100	-0.9995648	-0.9991714	-0.9989235
## 70	-0.9969734	-0.97192129	-0.9893543	-0.9950157	-0.9929430	-0.9617762
## 71	-0.9693708	-0.89785961	-0.9599258	-0.9621504	-0.9497478	-0.8908459
## 72	-0.9705573	-0.91756546	-0.9641955	-0.9648653	-0.9505834	-0.9271816
## 73	-0.9972154	-0.99176793	-0.9978076	-0.9983286	-0.9941565	-0.9972415
## 74	-0.9998914	-0.99905781	-0.9995564	-0.9995365	-0.9995994	-0.9992170
## 75	-0.9999107	-0.99909046	-0.9995697	-0.9996984	-0.9996064	-0.9993099
## 76	-0.9999691	-0.99989772	-0.9998476	-0.9999314	-0.9999516	-0.9998188
## 77	-0.9999527	-0.99986607	-0.9998824	-0.9999180	-0.9999307	-0.9998162
## 78	-0.9999380	-0.99977695	-0.9997475	-0.9999319	-0.9999133	-0.9995955
## 79	-0.7358133	-0.59701887	-0.8367280	-0.9330855	-0.6407566	-0.7266430
## 80	-0.6728637	-0.51157646	-0.8839256	-0.8943062	-0.5733679	-0.6741129
## 81	-0.7653461	-0.55240106	-0.8251168	-0.8191602	-0.6902346	-0.5543759
## 82	-0.7295890	-0.45541310	-0.8590648	-0.9108086	-0.6227624	-0.5490138
## 83	-0.7581629	-0.55056282	-0.9003452	-0.9623805	-0.6684200	-0.6574716
## 84	-0.7582811	-0.68046513	-0.8880950	-0.8537057	-0.7320817	-0.6473395
## 85	-0.7305881	-0.38899273	-0.9246773	-0.8518686	-0.5985253	-0.5682395
## 86	-0.7354614	-0.15928122	-0.9030320	-0.9374922	-0.5019219	-0.5158350
## 87	-0.7755424	-0.76122553	-0.8947009	-0.9204613	-0.7440327	-0.7937022
## 88	-0.7476286	-0.62824943	-0.8309994	-0.8817703	-0.6733879	-0.6949661
## 89	-0.7340191	-0.59725851	-0.7909015	-0.8913489	-0.6748075	-0.5734683
## 90	-0.7047503	-0.47340790	-0.7847348	-0.9523790	-0.5997630	-0.5401930
## 91	-0.7148762	-0.56356194	-0.8408066	-0.9654485	-0.6349731	-0.6353626
## 92	-0.6746584	-0.65791458	-0.8393284	-0.9352203	-0.6337726	-0.6857359
## 93	-0.6978273	-0.52387722	-0.8607690	-0.6829095	-0.6180579	-0.5935674
## 94	-0.7054696	-0.32511214	-0.8497168	-0.7609796	-0.4970095	-0.6924649
## 95	-0.7232713	-0.15726749	-0.8425054	-0.8179039	-0.4294187	-0.6889571
## 96	-0.7004113	-0.33222662	-0.8896374	-0.8324505	-0.5041113	-0.6926798
## 97	-0.7653802	-0.28942673	-0.8861976	-0.8887989	-0.5122227	-0.7700395
## 98	-0.8217104	-0.42402293	-0.8564838	-0.7757238	-0.6205682	-0.7568144
## 99	-0.6632240	-0.47108596	-0.8338416	-0.6787912	-0.5509208	-0.6235138
## 100	-0.5909882	-0.41795207	-0.7640728	-0.4978735	-0.4944948	-0.4830121
## 101	-0.6037527	-0.49987074	-0.7818859	-0.5835713	-0.5169202	-0.5901782
## 102	-0.6934764	-0.39714921	-0.6686543	-0.6052544	-0.5201906	-0.5783477
## 103	-0.7757500	-0.46616999	-0.7985002	-0.7433556	-0.6345953	-0.6130206
## 104	-0.7379749	-0.46590107	-0.8605505	-0.9358475	-0.6146601	-0.6188320
## 105	-0.7442512	-0.53502602	-0.8002970	-0.9003309	-0.6341309	-0.6443493
## 106	-0.7133351	-0.58905864	-0.7969308	-0.8816312	-0.6384330	-0.6324442
## 107	-0.6293896	-0.49245056	-0.7587209	-0.8250549	-0.5622219	-0.4762682
## 108	-0.7235744	-0.44954479	-0.7057960	-0.7463457	-0.5933645	-0.5212600
## 109	-0.7748426	-0.50654391	-0.7758382	-0.6858673	-0.6383895	-0.6499258
## 110	-0.7847213	-0.45303537	-0.7602621	-0.7617679	-0.6419976	-0.5644605
## 111	-0.7716071	-0.44552406	-0.8301191	-0.7365832	-0.6397549	-0.5703083
## 112	-0.6766611	-0.54613431	-0.7330269	-0.8778173	-0.6257033	-0.4601229
## 113	-0.6898734	-0.48908620	-0.7163704	-0.7677634	-0.6099708	-0.4441265
## 114	-0.7042545	-0.50642577	-0.7572034	-0.9177939	-0.6117810	-0.5341604
## 115	-0.7208537	-0.55999448	-0.8517444	-0.9799555	-0.6356440	-0.6509261
## 116	-0.7286425	-0.49609911	-0.8512130	-0.9218929	-0.6155166	-0.6344877

## 117	-0.7001157	-0.34928090	-0.8360189	-0.8351515	-0.5369642	-0.5707812
## 118	-0.7343176	-0.34278845	-0.8490884	-0.9076392	-0.5764674	-0.5265167
## 119	-0.8429175	-0.62762180	-0.8481533	-0.8214966	-0.7351979	-0.7549581
## 120	-0.8010986	-0.53167897	-0.8567270	-0.9245961	-0.6403378	-0.8123093
## 121	-0.8024322	-0.52686412	-0.8178956	-0.8673168	-0.6456165	-0.7635528
## 122	-0.8366322	-0.67410040	-0.8438994	-0.8476436	-0.7553320	-0.7430775
## 123	-0.7479996	-0.53263534	-0.8575468	-0.8838735	-0.6276375	-0.7116386
## 124	-0.7572727	-0.53083947	-0.8682741	-0.9225927	-0.6308862	-0.7302239
## 125	-0.8512816	-0.48246699	-0.8795739	-0.8885261	-0.6984044	-0.6828486
## 126	-0.8071771	-0.54638026	-0.7867984	-0.8333668	-0.6849082	-0.6525746
## 127	-0.7415680	-0.41996129	-0.8254089	-0.7828032	-0.5981701	-0.5850918
## 128	-0.7683112	-0.38184279	-0.8096733	-0.9083961	-0.6259417	-0.4883594
## 129	-0.7689860	-0.44502890	-0.8741386	-0.9223939	-0.6306900	-0.6231802
## 130	-0.6135000	-0.45408255	-0.7340147	-0.8234504	-0.5205618	-0.4954904
## 131	-0.5506608	-0.30381854	-0.6890690	-0.8505205	-0.4640962	-0.2347391
## 132	-0.6930710	-0.36336104	-0.5870515	-0.9507831	-0.5772624	-0.2681953
## 133	-0.7426037	-0.61487429	-0.6279428	-0.9077742	-0.6725199	-0.5251710
## 134	-0.7381798	-0.52277016	-0.8369987	-0.8988953	-0.6455256	-0.5922314
## 135	-0.5823979	-0.19774055	-0.3451511	-0.7697140	-0.4712374	0.1114258
## 136	-0.6297677	-0.09777441	-0.7020379	-0.8604705	-0.4022081	-0.3303941
## 137	-0.5711943	-0.18086053	-0.6472080	-0.6805840	-0.3277890	-0.5286127
## 138	-0.6052683	-0.45062186	-0.4565091	-0.7790982	-0.5257686	-0.2624228
## 139	-0.5845316	-0.49770904	-0.5506593	-0.8645706	-0.5429025	-0.2881291
## 140	-0.6552559	-0.36502357	-0.8321678	-0.9437228	-0.4663002	-0.7151292
## 141	-0.5245708	-0.32466814	-0.6750696	-0.7488008	-0.4013324	-0.4053858
## 142	-0.5451089	-0.36965449	-0.6288446	-0.7982862	-0.4236665	-0.4293256
## 143	-0.6121765	-0.48259078	-0.7994656	-0.7802876	-0.4884281	-0.6948573
## 144	-0.6279764	-0.42356215	-0.7660886	-0.8667875	-0.5117802	-0.5362137
## 145	-0.7805461	-0.15843363	-0.7706826	-0.8770646	-0.4888769	-0.5952282
## 146	-0.6412199	-0.30674614	-0.5873373	-0.9315501	-0.4600707	-0.4355325
## 147	-0.5616742	-0.68939752	-0.6676189	-0.7871332	-0.5537980	-0.5876137
## 148	-0.7235132	-0.42862519	-0.7481118	-0.7252047	-0.5319110	-0.7270508
## 149	-0.7657555	-0.34023594	-0.6731109	-0.8436422	-0.5625486	-0.5390315
## 150	-0.7208436	-0.51345522	-0.7322003	-0.9024007	-0.6271781	-0.5217352
## 151	-0.8715146	-0.84109903	-0.8909744	-0.9125172	-0.8252703	-0.9094567
## 152	-0.8615974	-0.88510879	-0.9265122	-0.9544994	-0.8437308	-0.9159250
## 153	-0.8852188	-0.91390402	-0.9573249	-0.9725378	-0.8742947	-0.9445032
## 154	-0.9017912	-0.88415836	-0.9646917	-0.9591816	-0.8783563	-0.9312776
## 155	-0.8787720	-0.79145207	-0.9544596	-0.9662280	-0.8181735	-0.9133995
## 156	-0.8869229	-0.81927301	-0.9387086	-0.9669789	-0.8448119	-0.8798717
## 157	-0.8856601	-0.80175328	-0.9156151	-0.9217353	-0.8288335	-0.8867410
## 158	-0.8931912	-0.74988705	-0.9087903	-0.8476662	-0.8129369	-0.8709138
## 159	-0.8288847	-0.68015046	-0.9210461	-0.8840495	-0.7428444	-0.8268709
## 160	-0.8703747	-0.79601345	-0.9521924	-0.9691495	-0.8192724	-0.8925191
## 161	-0.8496431	-0.87849228	-0.9360505	-0.9808952	-0.8358133	-0.9055809
## 162	-0.8465764	-0.83487589	-0.9244968	-0.9722412	-0.8144806	-0.8899403
## 163	-0.9122644	-0.81786010	-0.9446517	-0.9547408	-0.8530643	-0.9229862
## 164	-0.9029259	-0.80975135	-0.9059362	-0.9676442	-0.8389252	-0.9064678
## 165	-0.8865015	-0.83917442	-0.9267882	-0.9566855	-0.8463793	-0.8986786
## 166	-0.9078973	-0.92161496	-0.9764263	-0.9704310	-0.9025026	-0.9353657

## 167	-0.9187959	-0.93885473	-0.9843347	-0.9803262	-0.9115600	-0.9684038
## 168	-0.8844740	-0.86326163	-0.9622573	-0.9715387	-0.8540006	-0.9309722
## 169	-0.8858477	-0.80165139	-0.9275318	-0.9622150	-0.8409363	-0.8532192
## 170	-0.9019420	-0.85164285	-0.8997450	-0.9718448	-0.8712838	-0.8579405
## 171	-0.9001211	-0.90040063	-0.9548908	-0.9688601	-0.8810029	-0.9381811
## 172	-0.9113890	-0.84848975	-0.9537704	-0.9706202	-0.8689865	-0.9230155
## 173	-0.9231658	-0.85417421	-0.9587441	-0.9832907	-0.8893664	-0.8979347
## 174	-0.8804242	-0.83457413	-0.9489679	-0.9839544	-0.8443782	-0.8959877
## 175	-0.8744909	-0.85563706	-0.9393242	-0.9637503	-0.8534305	-0.8771401
## 176	-0.8556535	-0.77537285	-0.8711495	-0.8847717	-0.7899164	-0.8642946
## 177	-0.9999839	-0.99994048	-0.9999164	-0.9997894	-0.9999720	-0.9999073
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999326	-0.9998999	-0.99982444	-0.9998598	-0.9997275	-0.9997288
## 2	-0.9998610	-0.9998272	-0.99945649	-0.9998303	-0.9996093	-0.9996855
## 3	-0.9998203	-0.9997439	-0.99955907	-0.9998386	-0.9996673	-0.9996275
## 4	-0.9998950	-0.9997965	-0.99988815	-0.9999061	-0.9996812	-0.9998463
## 5	-0.9999254	-0.9998775	-0.99981036	-0.9999321	-0.9997284	-0.9997694
## 6	-0.9999001	-0.9999422	-0.99978381	-0.9998103	-0.9998735	-0.9996886
## 7	-0.9998286	-0.9998400	-0.99983699	-0.9996681	-0.9997485	-0.9995457
## 8	-0.9997883	-0.9998156	-0.99977210	-0.9995652	-0.9994789	-0.9993055
## 9	-0.9998970	-0.9997676	-0.99974782	-0.9994849	-0.9996420	-0.9990158
## 10	-0.9996861	-0.9995318	-0.99926475	-0.9992874	-0.9993564	-0.9988162
## 11	-0.9996810	-0.9996827	-0.99942783	-0.9993665	-0.9990824	-0.9996192
## 12	-0.9998962	-0.9999405	-0.99990473	-0.9997974	-0.9996253	-0.9997731
## 13	-0.9999151	-0.9999739	-0.99985840	-0.9998089	-0.9996723	-0.9997769
## 14	-0.9999073	-0.9999711	-0.99986257	-0.9999252	-0.9998438	-0.9997408
## 15	-0.9996509	-0.9998265	-0.99982432	-0.9997082	-0.9996046	-0.9999014
## 16	-0.9998556	-0.9999808	-0.99996534	-0.9999126	-0.9999065	-0.9998310
## 17	-0.9998789	-0.9999362	-0.99994243	-0.9999024	-0.9998769	-0.9996700
## 18	-0.9999320	-0.9999220	-0.99986771	-0.9999371	-0.9998135	-0.9997728
## 19	-0.9999130	-0.9999496	-0.99985833	-0.9999221	-0.9998748	-0.9999081
## 20	-0.9999354	-0.9999292	-0.99988872	-0.9999252	-0.9998998	-0.9998971
## 21	-0.9999802	-0.9999203	-0.99993564	-0.9999390	-0.9998585	-0.9997666
## 22	-0.9999721	-0.9998994	-0.99983242	-0.9998757	-0.9993275	-0.9994604
## 23	-0.9999152	-0.9998927	-0.99963947	-0.9998123	-0.9992565	-0.9994408
## 24	-0.9998856	-0.9999321	-0.99970358	-0.9997508	-0.9996390	-0.9996934
## 25	-0.9999465	-0.9998925	-0.99980685	-0.9997527	-0.9995304	-0.9998566
## 26	-0.9999417	-0.9999443	-0.99971553	-0.9998052	-0.9996321	-0.9994700
## 27	-0.9999497	-0.9999561	-0.99978095	-0.9998484	-0.9998091	-0.9995300
## 28	-0.9969558	-0.9994196	-0.99965310	-0.9997580	-0.9997660	-0.9992205
## 29	-0.9993902	-0.9999336	-0.99992478	-0.9998510	-0.9998915	-0.9996674
## 30	-0.9999249	-0.9999451	-0.99992351	-0.9998626	-0.9999164	-0.9997595
## 31	-0.9865558	-0.9895636	-0.98870861	-0.9983343	-0.9929979	-0.9907350
## 32	-0.9838811	-0.9876233	-0.98655350	-0.9971809	-0.9923449	-0.9893631
## 33	-0.9959275	-0.9988945	-0.99669455	-0.9986706	-0.9985886	-0.9981304
## 34	-0.9995113	-0.9997703	-0.99972280	-0.9997485	-0.9997820	-0.9993198
## 35	-0.9999577	-0.9999659	-0.99988233	-0.9998276	-0.9996184	-0.9998755
## 36	-0.9999481	-0.9999740	-0.99991477	-0.9998340	-0.9997048	-0.9998325
## 37	-0.9999514	-0.9999646	-0.99985666	-0.9998508	-0.9998007	-0.9996226
## 38	-0.9999671	-0.9999116	-0.99987826	-0.9998456	-0.9997900	-0.9997710

## 39	-0.9986473	-0.9996768	-0.99961245	-0.9995440	-0.9992395	-0.9993137
## 40	-0.9998444	-0.9999648	-0.99996210	-0.9997345	-0.9997341	-0.9996805
## 41	-0.9999270	-0.9999746	-0.99990399	-0.9998333	-0.9996978	-0.9999389
## 42	-0.9999768	-0.9999580	-0.99978940	-0.9998831	-0.9997198	-0.9999184
## 43	-0.9999398	-0.9999529	-0.99978909	-0.9998508	-0.9998073	-0.9997874
## 44	-0.9999543	-0.9999507	-0.99980034	-0.9998834	-0.9998190	-0.9996945
## 45	-0.9999172	-0.9999503	-0.99986557	-0.9998292	-0.9998395	-0.9996915
## 46	-0.9999173	-0.9999727	-0.99991261	-0.9998698	-0.9998128	-0.9998764
## 47	-0.9999517	-0.9999554	-0.99980616	-0.9998016	-0.9998742	-0.9998208
## 48	-0.9999125	-0.9999442	-0.99977578	-0.9997968	-0.9999331	-0.9996847
## 49	-0.9999358	-0.9999686	-0.99990599	-0.9998563	-0.9999041	-0.9998510
## 50	-0.9999544	-0.9999617	-0.99991506	-0.9997435	-0.9998523	-0.9998516
## 51	-0.9999770	-0.9999569	-0.99982670	-0.9998290	-0.9998159	-0.9997930
## 52	-0.9971908	-0.9954806	-0.99613879	-0.9910902	-0.9966000	-0.9964627
## 53	-0.9999163	-0.9999121	-0.99982425	-0.9998844	-0.9997647	-0.9997270
## 54	-0.9999675	-0.9999414	-0.99985079	-0.9998946	-0.9997713	-0.9998033
## 55	-0.9999493	-0.9999765	-0.99993690	-0.9998685	-0.9997045	-0.9998783
## 56	-0.9999655	-0.9999828	-0.99994193	-0.9998341	-0.9997803	-0.9998062
## 57	-0.9999935	-0.9999733	-0.99986816	-0.9998611	-0.9998442	-0.9997834
## 58	-0.9999452	-0.9999100	-0.99986680	-0.9998638	-0.9998694	-0.9997660
## 59	-0.9999556	-0.9999228	-0.99993039	-0.9998134	-0.9998610	-0.9997777
## 60	-0.9999800	-0.9998901	-0.99988881	-0.9997459	-0.9996021	-0.9995783
## 61	-0.9999725	-0.9998838	-0.99981935	-0.9997557	-0.9995099	-0.9996102
## 62	-0.9999756	-0.9999545	-0.99988584	-0.9998795	-0.9997887	-0.9998435
## 63	-0.9999508	-0.9999561	-0.99992593	-0.9999405	-0.9998532	-0.9998242
## 64	-0.9999640	-0.9999513	-0.99990629	-0.9999490	-0.9998355	-0.9998833
## 65	-0.9965116	-0.9961328	-0.99485045	-0.9815698	-0.9917992	-0.9906583
## 66	-0.9996386	-0.9999086	-0.99982262	-0.9996138	-0.9997014	-0.9997230
## 67	-0.7865623	-0.9528335	-0.97766591	-0.9870074	-0.9738846	-0.9635143
## 68	-0.7864389	-0.9488550	-0.97626048	-0.9849981	-0.9731179	-0.9627612
## 69	-0.9911163	-0.9978408	-0.99577962	-0.9969192	-0.9990166	-0.9978430
## 70	-0.9740758	-0.9898546	-0.97737749	-0.9795224	-0.9871997	-0.9752447
## 71	-0.2833900	-0.8706240	-0.94836671	-0.8292916	-0.5165625	-0.7503263
## 72	-0.2920621	-0.8798006	-0.96459255	-0.8289273	-0.5386968	-0.7918468
## 73	-0.9793020	-0.9953613	-0.99701016	-0.9981443	-0.9945550	-0.9872580
## 74	-0.9964508	-0.9997226	-0.99948565	-0.9994949	-0.9994314	-0.9993667
## 75	-0.9995115	-0.9998717	-0.99970319	-0.9995435	-0.9994645	-0.9996274
## 76	-0.9998618	-0.9999724	-0.99989292	-0.9997204	-0.9998022	-0.9997540
## 77	-0.9999036	-0.9999481	-0.99989638	-0.9998938	-0.9998615	-0.9997748
## 78	-0.9998908	-0.9999297	-0.99981498	-0.9998479	-0.9998534	-0.9996236
## 79	-0.8495971	-0.6258181	-0.65045026	-0.9029509	-0.8905495	-0.8924096
## 80	-0.8248145	-0.4219907	-0.72192646	-0.6788534	-0.8541034	-0.7828069
## 81	-0.7632301	-0.5497918	-0.59487472	-0.6798289	-0.8260636	-0.7387300
## 82	-0.6819695	-0.4110942	-0.55142153	-0.8636242	-0.8159763	-0.7055306
## 83	-0.5602028	-0.4411507	-0.58188213	-0.7654145	-0.7022628	-0.6233875
## 84	-0.6932954	-0.6427735	-0.49330273	-0.7532120	-0.7320256	-0.5614444
## 85	-0.7484983	-0.4141413	-0.69533829	-0.9131659	-0.8878673	-0.8305798
## 86	-0.7884210	-0.3431011	-0.67357900	-0.8843882	-0.8221046	-0.6216382
## 87	-0.8141733	-0.4810732	-0.75543911	-0.7324934	-0.8025089	-0.8468163
## 88	-0.7276135	-0.3520880	-0.63803565	-0.6494708	-0.7418523	-0.7752417

## 89	-0.6554879	-0.5501585	-0.66539564	-0.8188876	-0.7925432	-0.7753751
## 90	-0.7329925	-0.5197920	-0.57214593	-0.8656360	-0.7485334	-0.7450205
## 91	-0.6632343	-0.3972369	-0.57013426	-0.7883005	-0.7024903	-0.6942732
## 92	-0.7151610	-0.4104602	-0.24909495	-0.6724997	-0.6519703	-0.6608783
## 93	-0.6483084	-0.2676659	-0.31446575	-0.6207432	-0.7168972	-0.6681115
## 94	-0.7004885	-0.3239907	-0.52871168	-0.7804070	-0.8268976	-0.5896938
## 95	-0.6901963	-0.4114938	-0.60837743	-0.8929964	-0.8356473	-0.7185526
## 96	-0.7141543	-0.3420558	-0.78416017	-0.9085949	-0.7338024	-0.6878722
## 97	-0.7698582	-0.3192689	-0.59779708	-0.7088721	-0.7965949	-0.7176945
## 98	-0.7421343	-0.4290602	-0.52876666	-0.6882719	-0.7789484	-0.6007427
## 99	-0.5326363	-0.4479565	-0.49006994	-0.8342433	-0.7539522	-0.5873654
## 100	-0.6321265	-0.5363850	-0.47026910	-0.7695007	-0.8309175	-0.6116395
## 101	-0.7383864	-0.6061532	-0.46735651	-0.7878719	-0.6209367	-0.7710176
## 102	-0.5649249	-0.5054911	0.07202794	-0.7250309	-0.4237265	-0.4771627
## 103	-0.7149845	-0.3200821	-0.09913592	-0.5491809	-0.5238738	-0.6300725
## 104	-0.5621287	-0.1058860	-0.38100682	-0.5103500	-0.6186748	-0.8135402
## 105	-0.7303628	-0.2161931	-0.51607005	-0.6772934	-0.7398990	-0.7683954
## 106	-0.6914480	-0.5176874	-0.70095812	-0.7768784	-0.8135457	-0.8118000
## 107	-0.7297853	-0.2765294	-0.54507811	-0.7873635	-0.7458412	-0.8450947
## 108	-0.6131382	-0.3076811	-0.09635146	-0.7661322	-0.7518970	-0.6098442
## 109	-0.6100171	-0.3481916	-0.21610403	-0.6891801	-0.5922891	-0.6088397
## 110	-0.7180075	-0.2539798	-0.56377925	-0.7127296	-0.5506933	-0.6394960
## 111	-0.7374328	-0.3818578	-0.54866781	-0.7950385	-0.6194499	-0.7155332
## 112	-0.6056565	-0.4976056	0.10551202	-0.5397056	-0.7847879	-0.3231207
## 113	-0.7214219	-0.5160434	-0.53266369	-0.7924285	-0.8270816	-0.7158933
## 114	-0.7325604	-0.5627343	-0.62236146	-0.8264424	-0.6844215	-0.7895948
## 115	-0.5644257	-0.4746451	-0.64398397	-0.8578863	-0.7688766	-0.8642159
## 116	-0.6699640	-0.3268966	-0.61246764	-0.8031941	-0.9207765	-0.8308855
## 117	-0.6965491	-0.3035036	-0.56068874	-0.7916763	-0.8773339	-0.8287184
## 118	-0.7435598	-0.3507517	-0.68083052	-0.8160947	-0.7502525	-0.6536051
## 119	-0.7141220	-0.4518033	-0.75263730	-0.8882758	-0.7312908	-0.5526635
## 120	-0.7995567	-0.5419593	-0.78638167	-0.9086161	-0.7824260	-0.6917747
## 121	-0.8167019	-0.5622118	-0.71263030	-0.8355932	-0.8445725	-0.7494833
## 122	-0.8219621	-0.4348436	-0.64570519	-0.8357172	-0.7716646	-0.1370129
## 123	-0.7977345	-0.3663661	-0.61742704	-0.8986903	-0.7303071	-0.2566084
## 124	-0.7111120	-0.4079907	-0.68685088	-0.8505266	-0.8340705	-0.8094872
## 125	-0.7478494	-0.4621572	-0.65765856	-0.8683457	-0.8340633	-0.8525887
## 126	-0.7957492	-0.7977508	-0.74585931	-0.6688114	-0.7827890	-0.7558536
## 127	-0.7886771	-0.7845804	-0.69467501	-0.6628873	-0.7439377	-0.7890136
## 128	-0.6873684	-0.6309310	-0.63853910	-0.7244873	-0.8155961	-0.8253440
## 129	-0.5045224	-0.5537657	-0.56017016	-0.7084843	-0.7207854	-0.7149053
## 130	-0.6867534	-0.5702787	-0.56599413	-0.8049109	-0.5724021	-0.7444525
## 131	-0.6670168	-0.4956417	-0.51298534	-0.7691000	-0.6289513	-0.6906753
## 132	-0.7557517	-0.6585408	-0.43104558	-0.7812940	-0.7905680	-0.7334148
## 133	-0.8337788	-0.7552432	-0.50147744	-0.8771499	-0.8974981	-0.7908670
## 134	-0.8448188	-0.7245212	-0.58535815	-0.8241273	-0.9153519	-0.7575217
## 135	-0.6814985	-0.5400016	-0.72547174	-0.7027307	-0.5212777	-0.4995547
## 136	-0.7339115	-0.6888748	-0.50905506	-0.6089950	-0.7312262	-0.5810933
## 137	-0.5550509	-0.3579670	-0.42230326	-0.6820950	-0.8249648	-0.5131047
## 138	-0.4310227	-0.4559744	-0.39464021	-0.7322869	-0.8531840	-0.7535032

## 139	-0.6332144	-0.7710289	-0.78404419	-0.6595038	-0.8111550	-0.8748394
## 140	-0.6124664	-0.7262000	-0.66255814	-0.5886683	-0.8607988	-0.9155357
## 141	-0.8070565	-0.7698510	-0.64416882	-0.5891522	-0.8135596	-0.7008258
## 142	-0.7483246	-0.8878059	-0.74272360	-0.6777019	-0.7400477	-0.6900927
## 143	-0.7077163	-0.7201472	-0.53384447	-0.8176048	-0.7927875	-0.7101797
## 144	-0.7589046	-0.7842233	-0.49869833	-0.8509670	-0.7521612	-0.6737721
## 145	-0.6189192	-0.5270976	-0.41369955	-0.7945967	-0.7775890	-0.5265896
## 146	-0.5863958	-0.5194236	-0.31855738	-0.6550167	-0.7246188	-0.5877779
## 147	-0.6358255	-0.7089019	-0.78971611	-0.7603042	-0.7949801	-0.7415252
## 148	-0.7701599	-0.7827367	-0.82303714	-0.8850156	-0.8942584	-0.9201570
## 149	-0.7702200	-0.8479682	-0.71271081	-0.8683057	-0.8413977	-0.7068011
## 150	-0.8533977	-0.8087213	-0.49362337	-0.8424425	-0.7957617	-0.6696755
## 151	-0.5760399	-0.9253804	-0.93457066	-0.9483786	-0.9194689	-0.8313102
## 152	-0.5632845	-0.9523725	-0.93877627	-0.9694439	-0.8941761	-0.8205034
## 153	-0.5826731	-0.8818995	-0.90784044	-0.9464927	-0.8860571	-0.8937657
## 154	-0.5088128	-0.8044613	-0.88845349	-0.9069836	-0.8790581	-0.7441479
## 155	-0.5514069	-0.7918569	-0.85190137	-0.9071576	-0.9195072	-0.8755775
## 156	-0.6003498	-0.8618071	-0.89366546	-0.9255585	-0.9625083	-0.9141843
## 157	-0.7152564	-0.8311022	-0.91789323	-0.9291642	-0.9534083	-0.9428118
## 158	-0.6401666	-0.8788550	-0.85876902	-0.8946795	-0.9264334	-0.8784670
## 159	-0.6334842	-0.8982679	-0.92671486	-0.9145264	-0.9665465	-0.9150538
## 160	-0.6669559	-0.9180922	-0.92862923	-0.9089095	-0.9773272	-0.8994476
## 161	-0.5290442	-0.8766423	-0.86885119	-0.8722575	-0.9592291	-0.9245119
## 162	-0.5564269	-0.8709169	-0.92056504	-0.8993026	-0.9496859	-0.8975146
## 163	-0.7268136	-0.9311034	-0.88746471	-0.9317491	-0.9514465	-0.9203333
## 164	-0.6542437	-0.8880529	-0.82101332	-0.9298300	-0.8993033	-0.8525324
## 165	-0.6486623	-0.9417043	-0.82209882	-0.9308657	-0.9250660	-0.8675818
## 166	-0.7555971	-0.9442417	-0.93261988	-0.9455860	-0.9830884	-0.9506235
## 167	-0.7671241	-0.9352682	-0.92588421	-0.9576765	-0.9781940	-0.9032552
## 168	-0.5586439	-0.9186045	-0.89725965	-0.9211586	-0.8732339	-0.9080320
## 169	-0.4518180	-0.8462208	-0.82116278	-0.7892820	-0.8862269	-0.8452649
## 170	-0.4671802	-0.7894470	-0.81268598	-0.8104298	-0.9023877	-0.8094371
## 171	-0.4753556	-0.8321953	-0.87162271	-0.9301988	-0.9561670	-0.8839292
## 172	-0.6974508	-0.7787002	-0.83594833	-0.9059235	-0.9317692	-0.9032085
## 173	-0.6581307	-0.8104064	-0.78857317	-0.9096904	-0.9197323	-0.9486255
## 174	-0.6196727	-0.7892717	-0.81953001	-0.9248663	-0.9352735	-0.9490728
## 175	-0.7035658	-0.8170788	-0.90245800	-0.9558520	-0.9524436	-0.9112223
## 176	-0.7966520	-0.8281567	-0.78235906	-0.8999503	-0.9438076	-0.8698356
## 177	-0.9995074	-0.9998910	-0.99975310	-0.9996674	-0.9998161	-0.9994336
##	NA	NA	NA	NA	NA	NA
## 1	-0.9995671	-0.9997652	-0.99990021	-0.99981490	-0.9997098	-0.9995961
## 2	-0.9995761	-0.9999370	-0.99981738	-0.99953247	-0.9995952	-0.9996257
## 3	-0.9997037	-0.9999934	-0.99973230	-0.99961124	-0.9996175	-0.9997442
## 4	-0.9996932	-0.9999999	-0.99979758	-0.99988320	-0.9997223	-0.9997359
## 5	-0.9995027	-0.9999921	-0.99987817	-0.99983869	-0.9997279	-0.9995684
## 6	-0.9995826	-0.9999992	-0.99993086	-0.99976189	-0.9998114	-0.9996392
## 7	-0.9996756	-0.9998647	-0.99982134	-0.99973365	-0.9996487	-0.9997035
## 8	-0.9998410	-0.9999794	-0.99978973	-0.99963780	-0.9993268	-0.9998624
## 9	-0.9997556	-0.9999343	-0.99977181	-0.99958223	-0.9993357	-0.9997822
## 10	-0.9996685	-0.9999522	-0.99950835	-0.99913658	-0.9990182	-0.9997083

## 11	-0.9996556	-0.9999852	-0.99964396	-0.99929291	-0.9991381	-0.9997012
## 12	-0.9998282	-0.9999956	-0.99992845	-0.99984405	-0.9996455	-0.9998534
## 13	-0.9997127	-0.9999366	-0.99996315	-0.99981568	-0.9996855	-0.9997449
## 14	-0.9997762	-0.9999242	-0.99995879	-0.99987357	-0.9998095	-0.9997989
## 15	-0.9998537	-0.9999704	-0.99976732	-0.99974331	-0.9996835	-0.9998725
## 16	-0.9999478	-0.9999810	-0.99995545	-0.99994262	-0.9998991	-0.9999560
## 17	-0.9997941	-0.9999911	-0.99992045	-0.99992106	-0.9998062	-0.9998230
## 18	-0.9998141	-0.9999995	-0.99992006	-0.99988289	-0.9997986	-0.9998415
## 19	-0.9997889	-0.9999900	-0.99994061	-0.99986901	-0.9999062	-0.9998183
## 20	-0.9997847	-0.9999944	-0.99992740	-0.99989263	-0.9999219	-0.9998151
## 21	-0.9998840	-0.9999928	-0.99992988	-0.99993336	-0.9998325	-0.9999017
## 22	-0.9998775	-0.9999784	-0.99990908	-0.99982822	-0.9992697	-0.9998942
## 23	-0.9998144	-0.9999379	-0.99988954	-0.99965753	-0.9992037	-0.9998340
## 24	-0.9997746	-0.9999999	-0.99991831	-0.99967529	-0.9996227	-0.9998070
## 25	-0.9997590	-0.9999029	-0.99989675	-0.99975157	-0.9996040	-0.9997812
## 26	-0.9998850	-0.9999694	-0.99994259	-0.99970968	-0.9995217	-0.9998997
## 27	-0.9997959	-0.9999885	-0.99995517	-0.99977779	-0.9996913	-0.9998242
## 28	-0.9990752	-0.9999261	-0.99876362	-0.99964188	-0.9995240	-0.9991866
## 29	-0.9996946	-0.9999851	-0.99980302	-0.99988396	-0.9998170	-0.9997353
## 30	-0.9999035	-0.9999856	-0.99993939	-0.99988847	-0.9998766	-0.9999179
## 31	-0.9986766	-0.9999345	-0.98737646	-0.99098430	-0.9903941	-0.9988393
## 32	-0.9982141	-0.9999380	-0.98498706	-0.98886788	-0.9892770	-0.9984356
## 33	-0.9994584	-0.9999274	-0.99804526	-0.99697032	-0.9981006	-0.9995216
## 34	-0.9997878	-0.9999744	-0.99968342	-0.99968824	-0.9995795	-0.9998154
## 35	-0.9998300	-0.9999715	-0.99996591	-0.99984196	-0.9996837	-0.9998519
## 36	-0.9997861	-0.9999974	-0.99997103	-0.99986863	-0.9997357	-0.9998167
## 37	-0.9999130	-0.9999895	-0.99996324	-0.99983414	-0.9997240	-0.9999266
## 38	-0.9998432	-0.9999953	-0.99991895	-0.99984746	-0.9997787	-0.9998664
## 39	-0.9991456	-0.9999792	-0.99939524	-0.99951129	-0.9991355	-0.9992547
## 40	-0.9998956	-0.9999537	-0.99993826	-0.99985629	-0.9996945	-0.9999069
## 41	-0.9999031	-0.9999439	-0.99996665	-0.99986045	-0.9997754	-0.9999123
## 42	-0.9998253	-0.9999393	-0.99996324	-0.99980031	-0.9997845	-0.9998436
## 43	-0.9999567	-0.9999177	-0.99994996	-0.99978483	-0.9997997	-0.9999558
## 44	-0.9999403	-0.9999221	-0.99995134	-0.99980843	-0.9997696	-0.9999420
## 45	-0.9998392	-0.9996991	-0.99994223	-0.99983045	-0.9997850	-0.9998255
## 46	-0.9999071	-0.9999696	-0.99996265	-0.99988395	-0.9998423	-0.9999190
## 47	-0.9998654	-0.9999118	-0.99995500	-0.99977409	-0.9998685	-0.9998753
## 48	-0.9999237	-0.9999939	-0.99993568	-0.99974969	-0.9998582	-0.9999365
## 49	-0.9999844	-0.9999649	-0.99996324	-0.99987275	-0.9999056	-0.9999860
## 50	-0.9999322	-0.9999793	-0.99996139	-0.99982618	-0.9998638	-0.9999422
## 51	-0.9997968	-0.9999961	-0.99996232	-0.99980199	-0.9998092	-0.9998259
## 52	-0.9967375	-0.9991341	-0.99524677	-0.99299080	-0.9957707	-0.9970439
## 53	-0.9998256	-0.9999919	-0.99990738	-0.99982634	-0.9997394	-0.9998506
## 54	-0.9998806	-0.9999942	-0.99994608	-0.99985051	-0.9997773	-0.9998990
## 55	-0.9997863	-0.9999970	-0.99997360	-0.99990106	-0.9997549	-0.9998169
## 56	-0.9998501	-0.9999894	-0.99998313	-0.99988850	-0.9997858	-0.9998717
## 57	-0.9998696	-0.9999655	-0.99998105	-0.99984740	-0.9998281	-0.9998857
## 58	-0.9997570	-0.9998922	-0.99991227	-0.99984769	-0.9998412	-0.9997781
## 59	-0.9997666	-0.9999908	-0.99992637	-0.99987035	-0.9998393	-0.9997989
## 60	-0.9998958	-0.9998394	-0.99990247	-0.99980817	-0.9995435	-0.9998927

## 61	-0.9997844	-0.9999994	-0.99989503	-0.99976210	-0.9994821	-0.9998155
## 62	-0.9999186	-0.9999933	-0.99995987	-0.99986898	-0.9998086	-0.9999320
## 63	-0.9999714	-0.9999748	-0.99995544	-0.99992701	-0.9998529	-0.9999758
## 64	-0.9998424	-0.9999353	-0.99995417	-0.99991667	-0.9998636	-0.9998582
## 65	-0.9749197	-0.9823248	-0.99567830	-0.98756211	-0.9893862	-0.9758578
## 66	-0.9995671	-0.9997473	-0.99983888	-0.99969756	-0.9996861	-0.9995938
## 67	-0.9937845	-0.9997231	-0.90697245	-0.97758597	-0.9632197	-0.9945376
## 68	-0.9936725	-0.9996255	-0.90333538	-0.97561311	-0.9622743	-0.9944275
## 69	-0.9984631	-0.9959723	-0.99595676	-0.99547692	-0.9983262	-0.9981528
## 70	-0.9885873	-0.9883853	-0.98470165	-0.97384654	-0.9790617	-0.9885658
## 71	-0.4234391	-0.9818058	-0.71393170	-0.88184748	-0.5001256	-0.4938818
## 72	-0.4034185	-0.9906631	-0.72429585	-0.89351590	-0.5358646	-0.4775042
## 73	-0.9963698	-0.9896560	-0.99092614	-0.99695248	-0.9901759	-0.9955268
## 74	-0.9995621	-0.9999814	-0.99891952	-0.99939563	-0.9993143	-0.9996190
## 75	-0.9993457	-0.9998004	-0.99977543	-0.99957730	-0.9994526	-0.9994071
## 76	-0.9996803	-0.9998725	-0.99994928	-0.99979914	-0.9997814	-0.9997086
## 77	-0.9998946	-0.9999248	-0.99993705	-0.99988339	-0.9998384	-0.9999024
## 78	-0.9998236	-0.9999649	-0.99991735	-0.99980236	-0.9997673	-0.9998454
## 79	-0.9423085	-0.9781566	-0.62525415	-0.69918239	-0.8650571	-0.9468348
## 80	-0.8493388	-0.8335236	-0.43457264	-0.64568384	-0.7885994	-0.8473474
## 81	-0.9113908	-0.9997218	-0.53597022	-0.55343251	-0.7469643	-0.9225379
## 82	-0.8474436	-0.8172561	-0.39105379	-0.60837846	-0.7245795	-0.8436391
## 83	-0.8685363	-0.9162229	-0.38963752	-0.58430282	-0.5969888	-0.8745558
## 84	-0.7336535	-0.5394825	-0.60382466	-0.51391220	-0.5947484	-0.7091616
## 85	-0.8621991	-0.9205703	-0.40948334	-0.73675379	-0.8364697	-0.8695666
## 86	-0.9492150	-0.9162316	-0.35445979	-0.70730790	-0.6937377	-0.9450579
## 87	-0.8636599	-0.9903763	-0.48564719	-0.69542815	-0.7739614	-0.8796493
## 88	-0.7725103	-0.9848053	-0.34829079	-0.57061458	-0.6940480	-0.7992956
## 89	-0.9247146	-0.9621401	-0.51093162	-0.67045474	-0.7353439	-0.9294398
## 90	-0.8749539	-0.9982343	-0.50164386	-0.62444981	-0.6865769	-0.8905099
## 91	-0.8163725	-0.9695616	-0.37407510	-0.58652035	-0.6274467	-0.8357015
## 92	-0.7600833	-0.6594035	-0.39829474	-0.29765717	-0.5720850	-0.7473857
## 93	-0.5702069	-0.9971939	-0.25305587	-0.32095733	-0.6279946	-0.6240760
## 94	-0.6469975	-0.8556722	-0.31642269	-0.55257222	-0.6839947	-0.6733258
## 95	-0.7683406	-0.9742893	-0.39335340	-0.66378804	-0.7461440	-0.7943253
## 96	-0.7253856	-0.6964765	-0.33602352	-0.79941316	-0.6501867	-0.7217421
## 97	-0.7481642	-0.7657058	-0.32847583	-0.56925802	-0.7140068	-0.7503806
## 98	-0.5814740	-0.8594066	-0.42151429	-0.50917327	-0.6497048	-0.6165393
## 99	-0.8294317	-0.9559037	-0.38931815	-0.54975716	-0.6236564	-0.8453902
## 100	-0.9149218	-0.9927998	-0.49293963	-0.50478394	-0.6966372	-0.9247502
## 101	-0.7674110	-0.9209997	-0.58123267	-0.51132006	-0.5938746	-0.7867903
## 102	-0.5425699	-0.9549155	-0.44909811	-0.08809676	-0.3079415	-0.5945918
## 103	-0.5297593	-0.6202921	-0.31629165	-0.13008884	-0.4547175	-0.5411834
## 104	-0.6835052	-0.9911454	-0.08604835	-0.31746595	-0.6101943	-0.7223185
## 105	-0.6643140	-0.9389847	-0.22569871	-0.49473231	-0.6895351	-0.6989680
## 106	-0.8815264	-0.9252645	-0.48995228	-0.67659897	-0.7679861	-0.8870479
## 107	-0.9533681	-0.9001965	-0.28028011	-0.56779481	-0.7271249	-0.9466642
## 108	-0.5942663	-0.9809712	-0.28106274	-0.23034340	-0.6315844	-0.6430536
## 109	-0.5368243	-0.8379690	-0.31706566	-0.28144763	-0.5013082	-0.5748178
## 110	-0.7904096	-0.9075576	-0.25705704	-0.54625349	-0.4805606	-0.8051918

## 111	-0.8288520	-0.9401939	-0.37760050	-0.57403281	-0.5689695	-0.8429018
## 112	-0.4876423	-0.8734501	-0.45153849	0.02371262	-0.5358930	-0.5363162
## 113	-0.7190986	-0.9547146	-0.49551972	-0.56112386	-0.7380396	-0.7488258
## 114	-0.8993295	-0.9505790	-0.54048536	-0.64261401	-0.6534555	-0.9057986
## 115	-0.9047693	-0.9990055	-0.42100710	-0.67321716	-0.7540310	-0.9166613
## 116	-0.9019729	-0.9932641	-0.31187008	-0.62443347	-0.8633732	-0.9134934
## 117	-0.9641146	-0.9948533	-0.29691584	-0.58121945	-0.8271055	-0.9679963
## 118	-0.8790490	-0.9235501	-0.35083402	-0.68040098	-0.6489352	-0.8846667
## 119	-0.7218025	-0.9492060	-0.43554306	-0.76683065	-0.5904005	-0.7504937
## 120	-0.7834454	-0.9244997	-0.53742135	-0.80104418	-0.6914105	-0.8012435
## 121	-0.8720792	-0.9866314	-0.55982513	-0.71279866	-0.7666143	-0.8865341
## 122	-0.4717926	-0.9445794	-0.44555690	-0.66402104	-0.4457366	-0.5314393
## 123	-0.4445663	-0.9935084	-0.37775136	-0.67307616	-0.4631657	-0.5138201
## 124	-0.8811540	-0.9811935	-0.39510170	-0.70102777	-0.7836960	-0.8937781
## 125	-0.9197668	-0.9452964	-0.45287485	-0.68812698	-0.8020973	-0.9229913
## 126	-0.9196983	-0.9333649	-0.76849531	-0.65841341	-0.7190716	-0.9214262
## 127	-0.8284704	-0.9625984	-0.75488612	-0.61827052	-0.7016260	-0.8453947
## 128	-0.7661713	-0.9924281	-0.59168932	-0.60635011	-0.7754383	-0.7947179
## 129	-0.9067468	-0.9276248	-0.47865355	-0.54161838	-0.6511417	-0.9093844
## 130	-0.9116012	-0.9841209	-0.53654054	-0.59133057	-0.5430448	-0.9207537
## 131	-0.9464340	-0.9966135	-0.46420662	-0.53576560	-0.5660834	-0.9527682
## 132	-0.7345294	-0.9366845	-0.63283085	-0.48172227	-0.7158173	-0.7600354
## 133	-0.7493387	-0.8907683	-0.73890150	-0.57831060	-0.8273448	-0.7671841
## 134	-0.8647687	-0.9931493	-0.71364028	-0.61452075	-0.8276290	-0.8809681
## 135	-0.8239345	-0.7582267	-0.50784553	-0.65952833	-0.3968660	-0.8156489
## 136	-0.8523508	-0.9863682	-0.65519702	-0.45741266	-0.6024894	-0.8692613
## 137	-0.6813460	-0.8087218	-0.31298724	-0.42857333	-0.6497137	-0.6974183
## 138	-0.7646131	-0.9839357	-0.37266145	-0.43205135	-0.7753368	-0.7922850
## 139	-0.9481719	-0.9848984	-0.70598820	-0.68188912	-0.7929630	-0.9528090
## 140	-0.8608258	-0.9978349	-0.66044833	-0.55984231	-0.8507301	-0.8781137
## 141	-0.6997593	-0.8471897	-0.74585632	-0.54665152	-0.7206042	-0.7183616
## 142	-0.8132938	-0.9974253	-0.83899634	-0.66031685	-0.6562157	-0.8365263
## 143	-0.8639256	-0.9683940	-0.67738862	-0.57385541	-0.7077001	-0.8771083
## 144	-0.8105242	-0.9565165	-0.74755146	-0.56393817	-0.6591006	-0.8289452
## 145	-0.8940822	-0.9595268	-0.48140707	-0.47533647	-0.6169307	-0.9023420
## 146	-0.8731380	-0.9830770	-0.46678913	-0.34010205	-0.5999688	-0.8870109
## 147	-0.7446132	-0.9732375	-0.65026178	-0.73355251	-0.7228704	-0.7734585
## 148	-0.8565527	-0.9277220	-0.74885370	-0.81666519	-0.8799244	-0.8655347
## 149	-0.9061924	-0.9767531	-0.80802454	-0.72828043	-0.7458034	-0.9150977
## 150	-0.8666292	-0.9408066	-0.79201928	-0.55621581	-0.6928218	-0.8759906
## 151	-0.9516351	-0.9996086	-0.83250207	-0.92792643	-0.8624908	-0.9576910
## 152	-0.9310684	-0.9986497	-0.85397686	-0.94092702	-0.8372989	-0.9395979
## 153	-0.9506737	-0.9935336	-0.79463237	-0.90753195	-0.8619815	-0.9560846
## 154	-0.9190149	-0.8867532	-0.70701312	-0.87475763	-0.7923911	-0.9149488
## 155	-0.9251125	-0.9210958	-0.70561255	-0.84816711	-0.8814269	-0.9246096
## 156	-0.9725901	-0.9297644	-0.78057363	-0.88731838	-0.9328975	-0.9671914
## 157	-0.9683522	-0.9921164	-0.77978641	-0.90669768	-0.9377201	-0.9713541
## 158	-0.9492156	-0.9996078	-0.80541001	-0.84729548	-0.8882957	-0.9555766
## 159	-0.9357025	-0.9837632	-0.82144145	-0.90623363	-0.9365541	-0.9417694
## 160	-0.9464233	-0.9986423	-0.84730157	-0.90498238	-0.9386598	-0.9530148

## 161	-0.7973491	-0.9976285	-0.77723623	-0.84408121	-0.9346404	-0.8226186
## 162	-0.8349043	-0.9686129	-0.77849213	-0.89456844	-0.9153471	-0.8517758
## 163	-0.9692957	-0.9877084	-0.87319635	-0.88571230	-0.9265244	-0.9716225
## 164	-0.9191966	-0.9974882	-0.81706621	-0.83631710	-0.8551486	-0.9290772
## 165	-0.9016826	-0.9848322	-0.86440693	-0.83759751	-0.8825345	-0.9121761
## 166	-0.9609756	-0.9917468	-0.89188905	-0.92518630	-0.9652021	-0.9648614
## 167	-0.9596529	-0.9466384	-0.88646559	-0.92597154	-0.9409911	-0.9580150
## 168	-0.9524900	-0.9992190	-0.82226077	-0.88786668	-0.8576420	-0.9583890
## 169	-0.9692193	-0.9860564	-0.73146252	-0.77016178	-0.8414066	-0.9713473
## 170	-0.9445427	-0.9843741	-0.68359337	-0.77394675	-0.8392533	-0.9495714
## 171	-0.9278431	-0.9998449	-0.72428579	-0.87342128	-0.9148178	-0.9369302
## 172	-0.9358859	-0.9896478	-0.72807155	-0.83594412	-0.9032027	-0.9426720
## 173	-0.9020074	-0.9663371	-0.74756596	-0.80314987	-0.9128062	-0.9101266
## 174	-0.8930909	-0.9167718	-0.71934333	-0.83289449	-0.9256406	-0.8960821
## 175	-0.9793479	-0.9998055	-0.76431603	-0.90801692	-0.9234445	-0.9819326
## 176	-0.9096933	-0.9286954	-0.79628224	-0.79402320	-0.8987441	-0.9120943
## 177	-0.9988948	-0.9999885	-0.99979203	-0.99967211	-0.9996558	-0.9990368
##	NA	NA	NA	NA	NA	NA
## 1	-0.99985216	-0.9998221	-0.9993999	-0.9997656	-0.9999585	-0.9999495
## 2	-0.99962988	-0.9997593	-0.9998589	-0.9998465	-0.9997949	-0.9998009
## 3	-0.99961317	-0.9997732	-0.9998709	-0.9997839	-0.9997397	-0.9997866
## 4	-0.99980556	-0.9998560	-0.9998848	-0.9997237	-0.9998414	-0.9999425
## 5	-0.99982993	-0.9998744	-0.9998451	-0.9998530	-0.9998899	-0.9998177
## 6	-0.99985656	-0.9998302	-0.9998633	-0.9997931	-0.9999047	-0.9998218
## 7	-0.99980032	-0.9996782	-0.9999156	-0.9998359	-0.9995279	-0.9998681
## 8	-0.99974875	-0.9994894	-0.9999102	-0.9998953	-0.9996097	-0.9998446
## 9	-0.99972502	-0.9994425	-0.9998191	-0.9999091	-0.9999575	-0.9998801
## 10	-0.99932067	-0.9991960	-0.9998327	-0.9995707	-0.9997519	-0.9998838
## 11	-0.99949112	-0.9992919	-0.9998425	-0.9994388	-0.9996698	-0.9997604
## 12	-0.99990806	-0.9997581	-0.9999715	-0.9997011	-0.9997464	-0.9998171
## 13	-0.99991289	-0.9997808	-0.9998866	-0.9998641	-0.9998133	-0.9998326
## 14	-0.99991156	-0.9999016	-0.9999027	-0.9997984	-0.9998101	-0.9998494
## 15	-0.99975545	-0.9997168	-0.9997898	-0.9995279	-0.9999240	-0.9998162
## 16	-0.99995439	-0.9999283	-0.9997770	-0.9999595	-0.9999090	-0.9998564
## 17	-0.99991884	-0.9998860	-0.9998475	-0.9998272	-0.9999519	-0.9999314
## 18	-0.99988565	-0.9999048	-0.9998911	-0.9998157	-0.9998808	-0.9999252
## 19	-0.99989647	-0.9999370	-0.9999055	-0.9997979	-0.9998729	-0.9999207
## 20	-0.99990024	-0.9999450	-0.9999520	-0.9998162	-0.9999112	-0.9999575
## 21	-0.99992270	-0.9999191	-0.9999255	-0.9998320	-0.9998801	-0.9998739
## 22	-0.99986212	-0.9996622	-0.9999652	-0.9998221	-0.9998759	-0.9998175
## 23	-0.99976294	-0.9995969	-0.9999124	-0.9999046	-0.9998573	-0.9997869
## 24	-0.99981210	-0.9997200	-0.9998350	-0.9997125	-0.9999447	-0.9998274
## 25	-0.99984189	-0.9997141	-0.9998706	-0.9999480	-0.9999098	-0.9997993
## 26	-0.99983502	-0.9997152	-0.9999334	-0.9998509	-0.9998999	-0.9997839
## 27	-0.99987298	-0.9998078	-0.9999433	-0.9998359	-0.9998498	-0.9997667
## 28	-0.99895000	-0.9996865	-0.9977676	-0.9994648	-0.9998988	-0.9997686
## 29	-0.99982565	-0.9998580	-0.9998132	-0.9998292	-0.9999122	-0.9998651
## 30	-0.99992428	-0.9998882	-0.9998767	-0.9997932	-0.9998593	-0.9998132
## 31	-0.98584801	-0.9952690	-0.9631200	-0.9934522	-0.9984235	-0.9990934
## 32	-0.98316105	-0.9941141	-0.9515325	-0.9923164	-0.9976733	-0.9984094

## 33	-0.99712469	-0.9984548	-0.9902846	-0.9988316	-0.9990851	-0.9990241
## 34	-0.99964972	-0.9997019	-0.9996278	-0.9998306	-0.9999280	-0.9999352
## 35	-0.99992544	-0.9997918	-0.9998314	-0.9999100	-0.9999484	-0.9999680
## 36	-0.99994345	-0.9998159	-0.9999543	-0.9999276	-0.9999175	-0.9999155
## 37	-0.99991219	-0.9998219	-0.9999661	-0.9999599	-0.9999064	-0.9998584
## 38	-0.99988949	-0.9998398	-0.9999439	-0.9999039	-0.9999082	-0.9999173
## 39	-0.99939151	-0.9994023	-0.9995668	-0.9996414	-0.9997467	-0.9997347
## 40	-0.99994045	-0.9997376	-0.9998628	-0.9997118	-0.9998285	-0.9998743
## 41	-0.99993552	-0.9998308	-0.9998554	-0.9996137	-0.9999003	-0.9998473
## 42	-0.99988258	-0.9998656	-0.9998757	-0.9998120	-0.9997895	-0.9998059
## 43	-0.99987277	-0.9998512	-0.9999020	-0.9998878	-0.9997729	-0.9998461
## 44	-0.99987873	-0.9998600	-0.9998701	-0.9998211	-0.9998269	-0.9998900
## 45	-0.99990084	-0.9998319	-0.9997819	-0.9999302	-0.9998525	-0.9999231
## 46	-0.99993640	-0.9998795	-0.9998875	-0.9999310	-0.9998616	-0.9999498
## 47	-0.99988396	-0.9998468	-0.9998689	-0.9999138	-0.9998771	-0.9999268
## 48	-0.99985653	-0.9998399	-0.9998220	-0.9998070	-0.9998969	-0.9999141
## 49	-0.99993391	-0.9998955	-0.9997981	-0.9996375	-0.9999413	-0.9998965
## 50	-0.99993656	-0.9998086	-0.9999168	-0.9997626	-0.9999729	-0.9998456
## 51	-0.99989833	-0.9998411	-0.9999794	-0.9998890	-0.9999240	-0.9998072
## 52	-0.99484445	-0.9927992	-0.9984884	-0.9992138	-0.9998215	-0.9994738
## 53	-0.99985729	-0.9998489	-0.9999617	-0.9997047	-0.9999029	-0.9997772
## 54	-0.99989713	-0.9998700	-0.9999715	-0.9996921	-0.9999563	-0.9998469
## 55	-0.99995506	-0.9998450	-0.9999318	-0.9999113	-0.9999305	-0.9999182
## 56	-0.99996421	-0.9998353	-0.9998533	-0.9999332	-0.9998729	-0.9999424
## 57	-0.99993021	-0.9998686	-0.9997951	-0.9998568	-0.9998176	-0.9997909
## 58	-0.99987958	-0.9998753	-0.9998274	-0.9998242	-0.9999328	-0.9997903
## 59	-0.99991784	-0.9998430	-0.9998781	-0.9997293	-0.9999864	-0.9998114
## 60	-0.99988215	-0.9996865	-0.9998856	-0.9996997	-0.9999827	-0.9997570
## 61	-0.99984614	-0.9996689	-0.9998899	-0.9997753	-0.9999270	-0.9998372
## 62	-0.99992259	-0.9998726	-0.9997973	-0.9999374	-0.9998257	-0.9998738
## 63	-0.99993702	-0.9999280	-0.9998743	-0.9998683	-0.9998787	-0.9997887
## 64	-0.99992745	-0.9999375	-0.9999160	-0.9998774	-0.9998356	-0.9997940
## 65	-0.99459100	-0.9843613	-0.9927659	-0.9965199	-0.9986074	-0.9964010
## 66	-0.99980675	-0.9996586	-0.9995209	-0.9995290	-0.9995926	-0.9995222
## 67	-0.92250274	-0.9776727	-0.9244363	-0.9891870	-0.9934661	-0.9945520
## 68	-0.91923840	-0.9760471	-0.9138272	-0.9892827	-0.9924962	-0.9946366
## 69	-0.99520270	-0.9974430	-0.9902140	-0.9992681	-0.9991657	-0.9994393
## 70	-0.97891276	-0.9790914	-0.9760664	-0.9888368	-0.9946327	-0.9938967
## 71	-0.76919083	-0.6999602	-0.6387027	-0.8553354	-0.9908352	-0.9825670
## 72	-0.78387438	-0.7135269	-0.7214795	-0.8339511	-0.9896220	-0.9884908
## 73	-0.99208552	-0.9950656	-0.9975999	-0.9916135	-0.9960649	-0.9982036
## 74	-0.99898965	-0.9994405	-0.9997094	-0.9998512	-0.9996077	-0.9998820
## 75	-0.99970800	-0.9995244	-0.9998434	-0.9998088	-0.9997298	-0.9998970
## 76	-0.99991801	-0.9997623	-0.9999531	-0.9997683	-0.9999489	-0.9998786
## 77	-0.99991063	-0.9998930	-0.9999909	-0.9997805	-0.9998098	-0.9998698
## 78	-0.99986046	-0.9998368	-0.9999054	-0.9998514	-0.9997675	-0.9998673
## 79	-0.57350196	-0.8870414	-0.8213194	-0.9268195	-0.9218756	-0.9543635
## 80	-0.46628283	-0.7169212	-0.8146295	-0.9108706	-0.8633176	-0.9390303
## 81	-0.48408763	-0.7014619	-0.8760733	-0.9262144	-0.8787063	-0.9401698
## 82	-0.35954661	-0.8081416	-0.8289594	-0.8445814	-0.8786560	-0.9197796

## 83	-0.37192990	-0.6972707	-0.7746406	-0.7679222	-0.8619700	-0.9200155
## 84	-0.48871461	-0.6887495	-0.8149266	-0.7728063	-0.8785877	-0.8968605
## 85	-0.43632571	-0.8824159	-0.8455825	-0.8129849	-0.8776005	-0.8990667
## 86	-0.38672207	-0.8092647	-0.8489436	-0.8481593	-0.8620506	-0.8942386
## 87	-0.51818976	-0.7449266	-0.8539577	-0.8700839	-0.9249945	-0.9523049
## 88	-0.36658336	-0.6619882	-0.8368176	-0.8590110	-0.8601913	-0.8999295
## 89	-0.49692969	-0.7842272	-0.8697589	-0.8677689	-0.8784029	-0.8972539
## 90	-0.44911134	-0.7947348	-0.8675926	-0.8978576	-0.8862641	-0.9136042
## 91	-0.35543722	-0.7233870	-0.8189313	-0.8895662	-0.8103878	-0.9232967
## 92	-0.23168291	-0.6293594	-0.8384289	-0.8611580	-0.7645461	-0.8994122
## 93	-0.15482835	-0.6184666	-0.8489393	-0.8687739	-0.7975641	-0.8837227
## 94	-0.29526266	-0.7402621	-0.8713769	-0.8641164	-0.8178613	-0.9434042
## 95	-0.38629997	-0.8348948	-0.8522227	-0.8015381	-0.8219504	-0.9427329
## 96	-0.42200705	-0.8076421	-0.8614910	-0.7663532	-0.8725391	-0.9274678
## 97	-0.33445160	-0.7069631	-0.8728441	-0.8015484	-0.8751990	-0.9391008
## 98	-0.37172618	-0.6692170	-0.8480195	-0.8408708	-0.8958169	-0.8903570
## 99	-0.33126781	-0.7507503	-0.8373192	-0.8485877	-0.8728701	-0.9192589
## 100	-0.39791846	-0.7382991	-0.7946929	-0.9166043	-0.8794757	-0.9403230
## 101	-0.46085663	-0.7101592	-0.8659372	-0.9200792	-0.8848263	-0.9454635
## 102	-0.12722771	-0.5603594	-0.8113636	-0.8604886	-0.8330031	-0.9045797
## 103	-0.10600230	-0.5066803	-0.8290270	-0.8426593	-0.8322066	-0.9086294
## 104	-0.06265552	-0.5423308	-0.8075064	-0.8385905	-0.8169908	-0.9266615
## 105	-0.22370698	-0.6777032	-0.8312090	-0.8568628	-0.8572688	-0.9436033
## 106	-0.49733023	-0.7704690	-0.8567446	-0.8692530	-0.9381533	-0.9479047
## 107	-0.27618104	-0.7612752	-0.8289746	-0.8221913	-0.9156175	-0.8945811
## 108	-0.07915208	-0.7110750	-0.8176261	-0.8112044	-0.8723810	-0.9049290
## 109	-0.15807255	-0.6125053	-0.8337433	-0.8568460	-0.8524275	-0.9321750
## 110	-0.26752464	-0.6192725	-0.8484493	-0.8552471	-0.8866809	-0.9326119
## 111	-0.34854863	-0.7050424	-0.8691596	-0.8847795	-0.9063790	-0.9518196
## 112	-0.11425791	-0.5320691	-0.8154618	-0.8184955	-0.7863273	-0.8177537
## 113	-0.42727076	-0.7686663	-0.8646632	-0.9125377	-0.8935734	-0.9360735
## 114	-0.49947562	-0.7573582	-0.8589007	-0.9005555	-0.8944127	-0.9269804
## 115	-0.42209359	-0.8159098	-0.8185631	-0.8493462	-0.9311313	-0.9130512
## 116	-0.32883348	-0.8238001	-0.8350563	-0.8551212	-0.9032540	-0.9234537
## 117	-0.29515538	-0.8025740	-0.8658960	-0.8829168	-0.8735588	-0.9139519
## 118	-0.38727806	-0.7491208	-0.8597443	-0.8631709	-0.9133867	-0.9320131
## 119	-0.48051228	-0.7718155	-0.8857133	-0.8581547	-0.9361821	-0.9204763
## 120	-0.56947381	-0.8235679	-0.8904891	-0.8716581	-0.9340538	-0.9371322
## 121	-0.55329275	-0.8067794	-0.8682422	-0.8450452	-0.9359388	-0.9495342
## 122	-0.44070805	-0.6829975	-0.8542357	-0.8506547	-0.9428381	-0.9273871
## 123	-0.37893671	-0.7292369	-0.8697251	-0.8493486	-0.9153702	-0.9301225
## 124	-0.42212764	-0.8227428	-0.8418771	-0.8174307	-0.8814922	-0.9564915
## 125	-0.45129453	-0.8410261	-0.8520025	-0.8326858	-0.9269505	-0.9495443
## 126	-0.71970337	-0.6837825	-0.9429385	-0.9516590	-0.8701427	-0.9259693
## 127	-0.68726544	-0.6733314	-0.9469367	-0.9211645	-0.8731288	-0.8459917
## 128	-0.54384316	-0.7404734	-0.9512947	-0.8639841	-0.8300836	-0.7890544
## 129	-0.42711557	-0.6824537	-0.9308943	-0.8478762	-0.8258126	-0.7622056
## 130	-0.47178479	-0.7012297	-0.9274239	-0.7774688	-0.7274352	-0.7745518
## 131	-0.39582948	-0.6876535	-0.9275260	-0.8002073	-0.5284437	-0.7808228
## 132	-0.48239739	-0.7531022	-0.9348899	-0.8776885	-0.4281365	-0.8328666

## 133	-0.59056372	-0.8562958	-0.9547253	-0.7743944	-0.6648496	-0.8624595
## 134	-0.60912688	-0.8231371	-0.9652877	-0.8188682	-0.7394814	-0.7860219
## 135	-0.52113969	-0.5806925	-0.7799540	-0.4095141	-0.6130268	-0.6302373
## 136	-0.53301734	-0.6012503	-0.9033843	-0.6209973	-0.4948478	-0.7207114
## 137	-0.24590656	-0.6653448	-0.8560499	-0.7460772	-0.5642054	-0.8492159
## 138	-0.27712962	-0.7453280	-0.9276372	-0.7084742	-0.7960575	-0.7356239
## 139	-0.69105310	-0.7064648	-0.9197176	-0.6702871	-0.8955756	-0.6713891
## 140	-0.60443250	-0.6843182	-0.9303234	-0.7453051	-0.7279701	-0.9373959
## 141	-0.65845698	-0.6343928	-0.8572275	-0.7406384	-0.6351593	-0.8358914
## 142	-0.76960211	-0.6650982	-0.8638302	-0.7142575	-0.6456251	-0.7187219
## 143	-0.56007470	-0.7727517	-0.8853990	-0.8977962	-0.8050751	-0.9264641
## 144	-0.59563156	-0.7749249	-0.8836839	-0.9033245	-0.8059710	-0.9282128
## 145	-0.36461956	-0.7232783	-0.9052756	-0.7163096	-0.6811731	-0.9016716
## 146	-0.31209092	-0.6291531	-0.8786514	-0.6749329	-0.7074976	-0.9021828
## 147	-0.65301764	-0.7426549	-0.9157795	-0.8272673	-0.8250222	-0.9280480
## 148	-0.73940238	-0.8815269	-0.9181084	-0.9128253	-0.7714010	-0.8839827
## 149	-0.73385827	-0.8192714	-0.9271574	-0.8368735	-0.7786785	-0.8049667
## 150	-0.62574085	-0.7825928	-0.9088739	-0.8413363	-0.7384105	-0.8683720
## 151	-0.84935891	-0.9145539	-0.8170543	-0.9252830	-0.9084020	-0.9860651
## 152	-0.86683074	-0.9180469	-0.8336712	-0.8964782	-0.9659007	-0.9855802
## 153	-0.81004331	-0.9131740	-0.8592017	-0.9370728	-0.9843940	-0.9880419
## 154	-0.73777556	-0.8615224	-0.8008302	-0.9565729	-0.9705325	-0.9828104
## 155	-0.72066099	-0.8959997	-0.7832075	-0.9432177	-0.9270723	-0.9748976
## 156	-0.79357556	-0.9274129	-0.8131225	-0.9490715	-0.9564675	-0.9747290
## 157	-0.80367174	-0.9315368	-0.7878644	-0.9307742	-0.9503720	-0.9860591
## 158	-0.79627377	-0.8908218	-0.7423282	-0.9265799	-0.9475562	-0.9835268
## 159	-0.83785455	-0.9219024	-0.7917956	-0.9554336	-0.9549207	-0.9818006
## 160	-0.85750713	-0.9191909	-0.8045706	-0.9381999	-0.9556117	-0.9827732
## 161	-0.78022103	-0.8946425	-0.8133576	-0.9372320	-0.9485429	-0.9744119
## 162	-0.80390687	-0.9041644	-0.7955486	-0.9736311	-0.9446402	-0.9800840
## 163	-0.85821500	-0.9288370	-0.8676518	-0.9701949	-0.9802601	-0.9883817
## 164	-0.78812617	-0.9000816	-0.8689334	-0.9629692	-0.9749129	-0.9908706
## 165	-0.82303786	-0.9113026	-0.8233814	-0.9687553	-0.9844465	-0.9822129
## 166	-0.89169553	-0.9524485	-0.8300074	-0.9822713	-0.9795578	-0.9865875
## 167	-0.88478465	-0.9506891	-0.8123110	-0.9742374	-0.9724726	-0.9905831
## 168	-0.82547979	-0.8956034	-0.7410043	-0.9567585	-0.9787843	-0.9930427
## 169	-0.72592737	-0.8065920	-0.8051944	-0.9576943	-0.9665240	-0.9915777
## 170	-0.68737653	-0.8190298	-0.8179277	-0.9710035	-0.9594172	-0.9872946
## 171	-0.74292750	-0.9233455	-0.8014358	-0.9504463	-0.9713581	-0.9849053
## 172	-0.72997178	-0.9036308	-0.8529589	-0.9421187	-0.9719142	-0.9865083
## 173	-0.72328941	-0.9097013	-0.8222517	-0.9613044	-0.9820636	-0.9819378
## 174	-0.71639337	-0.9241774	-0.7330315	-0.9629952	-0.9842988	-0.9746598
## 175	-0.78562227	-0.9427713	-0.7788337	-0.9718922	-0.9824583	-0.9842811
## 176	-0.75598723	-0.8981620	-0.8436465	-0.9820914	-0.9703115	-0.9832345
## 177	-0.99974206	-0.9996805	-0.9991329	-0.9995295	-0.9997160	-0.9998678
##	NA	NA	NA	NA	NA	NA
## 1	-0.9998385	-0.9998135	-0.9987805	-0.99857783	-0.9996197	-0.9999836
## 2	-0.9998193	-0.9997692	-0.9996370	-0.99995450	-0.9998519	-0.9998273
## 3	-0.9997722	-0.9996260	-0.9994874	-0.99999573	-0.9998025	-0.9997921
## 4	-0.9998694	-0.9997353	-0.9992040	-0.99966198	-0.9997560	-0.9999203

## 5	-0.9997595	-0.9996878	-0.9991695	-0.99998229	-0.9998525	-0.9998841
## 6	-0.9997550	-0.9996238	-0.9993829	-0.99991021	-0.9998077	-0.9998937
## 7	-0.9997666	-0.9996341	-0.9994816	-0.99957202	-0.9998630	-0.9997238
## 8	-0.9999055	-0.9995402	-0.9995968	-0.99998343	-0.9999119	-0.9997540
## 9	-0.9999201	-0.9996917	-0.9997406	-0.99979609	-0.9998913	-0.9999492
## 10	-0.9996226	-0.9995985	-0.9997386	-0.99998066	-0.9996066	-0.9998459
## 11	-0.9996715	-0.9993691	-0.9994645	-0.99994709	-0.9994972	-0.9997436
## 12	-0.9997668	-0.9995497	-0.9993470	-0.99992867	-0.9997675	-0.9998105
## 13	-0.9997863	-0.9998065	-0.9998291	-0.99998367	-0.9998768	-0.9998522
## 14	-0.9998512	-0.9997877	-0.9999492	-0.99997603	-0.9998263	-0.9998588
## 15	-0.9998134	-0.9997249	-0.9996949	-0.99991005	-0.9995547	-0.9999008
## 16	-0.9999147	-0.9996229	-0.9993929	-0.99969329	-0.9999195	-0.9999128
## 17	-0.9998750	-0.9996387	-0.9996075	-0.99972769	-0.9998313	-0.9999714
## 18	-0.9998674	-0.9998614	-0.9998012	-0.99968510	-0.9998370	-0.9999320
## 19	-0.9999501	-0.9995868	-0.9998013	-0.99999181	-0.9998269	-0.9999258
## 20	-0.9999240	-0.9996044	-0.9997602	-0.99974909	-0.9998590	-0.9999633
## 21	-0.9998084	-0.9996795	-0.9996605	-0.99999694	-0.9998631	-0.9999065
## 22	-0.9997227	-0.9997816	-0.9993243	-0.99967511	-0.9998687	-0.9998768
## 23	-0.9998278	-0.9995946	-0.9995176	-0.99999825	-0.9999206	-0.9998524
## 24	-0.9998149	-0.9997014	-0.9994108	-0.99969127	-0.9997288	-0.9999168
## 25	-0.9996042	-0.9997226	-0.9994957	-0.99990119	-0.9999429	-0.9998853
## 26	-0.9995883	-0.9996556	-0.9996847	-0.99987285	-0.9998821	-0.9998727
## 27	-0.9997444	-0.9994983	-0.9995779	-0.99993095	-0.9998728	-0.9998387
## 28	-0.9998878	-0.9993281	-0.9993211	-0.99947829	-0.9987828	-0.9998646
## 29	-0.9998649	-0.9995515	-0.9995399	-0.99981936	-0.9998209	-0.9999187
## 30	-0.9998430	-0.9994375	-0.9996915	-0.99997726	-0.9998126	-0.9998663
## 31	-0.9980512	-0.9970583	-0.9990282	-0.99995653	-0.9813359	-0.9987805
## 32	-0.9976005	-0.9963604	-0.9983044	-0.99997401	-0.9762498	-0.9980627
## 33	-0.9993551	-0.9992113	-0.9987152	-0.99975505	-0.9955840	-0.9990847
## 34	-0.9998837	-0.9998320	-0.9997760	-0.99997342	-0.9997562	-0.9999610
## 35	-0.9999421	-0.9997558	-1.0000000	-0.99999422	-0.9998964	-0.9999875
## 36	-0.9998690	-0.9997941	-0.9998966	-0.99989013	-0.9999552	-0.9999460
## 37	-0.9998725	-0.9998498	-0.9998457	-0.99997975	-0.9999869	-0.9999124
## 38	-0.9998731	-0.9998975	-0.9997793	-0.99996861	-0.9999312	-0.9999421
## 39	-0.9997497	-0.9992178	-0.9994054	-0.99945997	-0.9995727	-0.9997703
## 40	-0.9999035	-0.9994209	-0.9998077	-0.99998269	-0.9997380	-0.9998804
## 41	-0.9999256	-0.9991631	-0.9996760	-0.99998299	-0.9996514	-0.9999039
## 42	-0.9999164	-0.9995775	-0.9994187	-0.99999337	-0.9998283	-0.9998270
## 43	-0.9998352	-0.9996526	-0.9995250	-0.99999976	-0.9999025	-0.9998382
## 44	-0.9998041	-0.9995894	-0.9993272	-0.99981769	-0.9998341	-0.9998873
## 45	-0.9998959	-0.9998531	-0.9993892	-0.99987746	-0.9998961	-0.9999165
## 46	-0.9999761	-0.9997536	-0.9998531	-0.99999252	-0.9999343	-0.9999342
## 47	-0.9999326	-0.9997040	-0.9997302	-0.99997811	-0.9999131	-0.9999309
## 48	-0.9998210	-0.9998085	-0.9995041	-0.99988715	-0.9998050	-0.9999348
## 49	-0.9998159	-0.9997163	-0.9998634	-0.99997777	-0.9996515	-0.9999489
## 50	-0.9999586	-0.9997859	-0.9997664	-0.99935946	-0.9998006	-0.9999402
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## 54	-0.9998118	-0.9997463	-0.9994736	-0.99998093	-0.9997597	-0.9999323

## 55	-0.9998570	-0.9996465	-0.9992785	-0.99985841	-0.9999332	-0.9999540
## 56	-0.9997593	-0.9997041	-0.9995817	-0.99975023	-0.9999241	-0.9999364
## 57	-0.9997870	-0.9998625	-0.9992688	-0.99987645	-0.9998380	-0.9998340
## 58	-0.9998328	-0.9995987	-0.9991623	-0.99949671	-0.9998217	-0.9998926
## 59	-0.9999109	-0.9993784	-0.9995597	-0.99991537	-0.9997584	-0.9999303
## 60	-0.9999034	-0.9996994	-0.9992566	-0.99999616	-0.9997357	-0.9999019
## 61	-0.9997510	-0.9996104	-0.9994555	-0.99939311	-0.9998020	-0.9999126
## 62	-0.9997456	-0.9996372	-0.9994445	-0.99979667	-0.9999078	-0.9998787
## 63	-0.9998361	-0.9996304	-0.9995545	-0.99983178	-0.9998761	-0.9998642
## 64	-0.9998356	-0.9998165	-0.9994542	-0.99986675	-0.9998986	-0.9998448
## 65	-0.9988759	-0.9908162	-0.9941433	-0.99879666	-0.9944870	-0.9975581
## 66	-0.9995834	-0.9992148	-0.9993412	-0.99987066	-0.9994602	-0.9995877
## 67	-0.9802514	-0.9903141	-0.9978606	-0.99753372	-0.9639511	-0.9940265
## 68	-0.9791301	-0.9893513	-0.9972815	-0.99855115	-0.9602662	-0.9935721
## 69	-0.9985972	-0.9975395	-0.9982975	-0.99200001	-0.9959324	-0.9993290
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## 71	-0.9727777	-0.8768046	-0.6522210	-0.99752722	-0.7479672	-0.9868220
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## 82	-0.9512242	-0.9016605	-0.9555916	-0.98981153	-0.8063188	-0.8987905
## 83	-0.9340713	-0.9005234	-0.9204542	-0.97362704	-0.7214386	-0.8903780
## 84	-0.9260085	-0.8728179	-0.8684089	-0.95186132	-0.7399218	-0.8875497
## 85	-0.9503882	-0.9091991	-0.9386096	-0.93538191	-0.7851855	-0.8881238
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## 176	-0.9885977	-0.9682367	-0.9826572	-0.99980949	-0.9291942	-0.9766591
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## 2	-0.9998001	-0.9996510	-0.9998350	-0.9998267	-0.977386710	-0.992530030
## 3	-0.9997208	-0.9995138	-0.9997753	-0.9997868	-0.975433220	-0.993714670
## 4	-0.9998281	-0.9992066	-0.9998244	-0.9999237	-0.987109580	-0.993601510
## 5	-0.9997297	-0.9992106	-0.9999004	-0.9998092	-0.982446480	-0.992983800
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## 7	-0.9997189	-0.9994597	-0.9996570	-0.9998356	-0.986027350	-0.990499090
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## 9	-0.9998537	-0.9997312	-0.9999640	-0.9998959	-0.989097920	-0.991966910
## 10	-0.9995981	-0.9997504	-0.9996968	-0.9997976	-0.981777670	-0.988001140
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## 14	-0.9998300	-0.9999497	-0.9998341	-0.9998679	-0.996308630	-0.997468000
## 15	-0.9997821	-0.9997008	-0.9997917	-0.9998289	-0.972464780	-0.950368870
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## 17	-0.9998032	-0.9995970	-0.9999335	-0.9999072	-0.990754520	-0.986141150
## 18	-0.9998647	-0.9997760	-0.9998873	-0.9999276	-0.989078110	-0.991402190
## 19	-0.9998449	-0.9998112	-0.9998774	-0.9999170	-0.990514340	-0.997901330
## 20	-0.9998303	-0.9997444	-0.9999179	-0.9999336	-0.995178020	-0.998242100
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## 30	-0.9997179	-0.9997054	-0.9998617	-0.9998019	-0.995285580	-0.983424810
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## 34	-0.9998683	-0.9997851	-0.9998838	-0.9999350	-0.993992800	-0.973740290
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## 36	-0.9998456	-0.9998899	-0.9999649	-0.9999141	-0.996962810	-0.993340080
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## 38	-0.9998800	-0.9997877	-0.9999478	-0.9999287	-0.997945480	-0.994459740
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## 41	-0.9996981	-0.9996913	-0.9998183	-0.9998148	-0.960686470	-0.991242220
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## 55	-0.9987849	-0.996095930	-0.9999853	-0.9999750	-0.9998905	-0.99807164
## 56	-0.9913442	-0.997682750	-0.9999980	-0.9999780	-0.9999575	-0.99780629
## 57	-0.9899635	-0.997107090	-0.9999979	-0.9999736	-0.9999597	-0.99777679
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## 59	-0.9921568	-0.997517160	-0.9999980	-0.9999662	-0.9999631	-0.99739942
## 60	-0.9970177	-0.998318260	-0.9999982	-0.9999800	-0.9999526	-0.99901659
## 61	-0.9902648	-0.998332480	-0.9999991	-0.9999812	-0.9999586	-0.99976294
## 62	-0.9977670	-0.997639370	-0.9999971	-0.9999758	-0.9999661	-0.99809281
## 63	-0.9933816	-0.997085920	-0.9999957	-0.9999738	-0.9999589	-0.99724227
## 64	-0.9969910	-0.997572930	-0.9999977	-0.9999690	-0.9999480	-0.99865130
## 65	-0.9852586	-0.894190990	-0.9934268	-0.9962603	-0.9913032	-0.96207783
## 66	-0.8502011	-0.941909300	-0.9984014	-0.9997268	-0.9898157	-0.97301655
## 67	-0.9881335	-0.600025100	-0.8326394	-0.9770543	-0.9039314	-0.68561220
## 68	-0.9978354	-0.585242870	-0.8123908	-0.9668532	-0.9169188	-0.71222292
## 69	-0.8479210	-0.861747450	-0.9812229	-0.9969897	-0.9969348	-0.88486171
## 70	-0.8504854	-0.585924940	-0.9318323	-0.9759506	-0.9282508	-0.66911609
## 71	-0.9508173	-0.365882670	-0.5770174	-0.9449067	-0.9068470	-0.65505056
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## 78	-0.9932192	-0.995283810	-0.9999583	-0.9999872	-0.9999660	-0.99397776
## 79	-0.9846769	-0.167264560	-0.7703287	-0.6305734	-0.8505732	-0.15776225
## 80	-0.9678245	-0.197305510	-0.8187058	-0.5832140	-0.8194029	-0.54217351
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## 89	-0.9594286	-0.255302070	-0.8797912	-0.5922555	-0.7863251	-0.46205845
## 90	-0.6069706	-0.159469780	-0.8700821	-0.5615585	-0.7640730	-0.34021069
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## 46	-0.9999969	-0.9999916	-0.9999733	-0.9999752	-0.9999818	-0.9999815
## 47	-0.9999991	-0.9999868	-0.9999805	-0.9999698	-0.9999895	-0.9999838
## 48	-0.9999902	-0.9999928	-0.9999888	-0.9999846	-0.9999752	-0.9999907
## 49	-0.9999915	-0.9999899	-0.9999950	-0.9999736	-0.9999813	-0.9999740
## 50	-0.9999927	-0.9999927	-0.9999912	-0.9999873	-0.9999685	-0.9999823
## 51	-0.9999903	-0.9999888	-0.9999766	-0.9999698	-0.9999767	-0.9999708
## 52	-0.9998866	-0.9995417	-0.9997256	-0.9994220	-0.9995747	-0.9992502
## 53	-0.9999678	-0.9999650	-0.9999514	-0.9998920	-0.9998328	-0.9998952
## 54	-0.9999755	-0.9999647	-0.9999754	-0.9999072	-0.9999248	-0.9999301
## 55	-0.9999925	-0.9999937	-0.9999834	-0.9999843	-0.9999870	-0.9999834
## 56	-0.9999972	-0.9999959	-0.9999835	-0.9999919	-0.9999814	-0.9999923
## 57	-0.9999954	-0.9999922	-0.9999902	-0.9999938	-0.9999811	-0.9999889
## 58	-0.9999902	-0.9999905	-0.9999945	-0.9999866	-0.9999775	-0.9999881
## 59	-0.9999940	-0.9999936	-0.9999967	-0.9999806	-0.9999895	-0.9999900
## 60	-0.9999959	-0.9999956	-0.9999970	-0.9999916	-0.9999962	-0.9999948
## 61	-0.9999958	-0.9999982	-0.9999979	-0.9999950	-0.9999876	-0.9999880
## 62	-0.9999893	-0.9999900	-0.9999925	-0.9999768	-0.9999749	-0.9999815
## 63	-0.9999844	-0.9999876	-0.9999938	-0.9999737	-0.9999697	-0.9999859
## 64	-0.9999904	-0.9999945	-0.9999986	-0.9999938	-0.9999878	-0.9999893
## 65	-0.9996566	-0.9995648	-0.9974767	-0.9981960	-0.9985040	-0.9981738
## 66	-0.9996100	-0.9998223	-0.9997875	-0.9996082	-0.9995378	-0.9992256
## 67	-0.8750233	-0.9876270	-0.9907768	-0.9907047	-0.9905196	-0.9947769
## 68	-0.8593879	-0.9867518	-0.9899774	-0.9917189	-0.9927288	-0.9971840
## 69	-0.9917871	-0.9953834	-0.9948723	-0.9909695	-0.9890661	-0.9878607
## 70	-0.9381342	-0.9236894	-0.8966466	-0.7576578	-0.5992282	-0.4942325
## 71	-0.6739110	-0.9674416	-0.9580954	-0.9260886	-0.9432535	-0.9695803
## 72	-0.4681955	-0.8943462	-0.8366532	-0.5728067	-0.6252130	-0.5509355
## 73	-0.9791072	-0.9808368	-0.9901653	-0.9691705	-0.9519951	-0.9407415
## 74	-0.9997269	-0.9997133	-0.9997516	-0.9996978	-0.9996176	-0.9995167
## 75	-0.9996787	-0.9996503	-0.9994685	-0.9989334	-0.9987750	-0.9986788
## 76	-0.9998706	-0.9998364	-0.9997880	-0.9996426	-0.9994012	-0.9993043
## 77	-0.9999126	-0.9999113	-0.9999286	-0.9998994	-0.9997634	-0.9998504
## 78	-0.9999822	-0.9999510	-0.9999831	-0.9999581	-0.9999642	-0.9999794
## 79	-0.5223844	-0.9026690	-0.9612094	-0.9560915	-0.9516971	-0.9657370
## 80	-0.4498935	-0.8229414	-0.9456303	-0.8479073	-0.8187094	-0.7778205
## 81	-0.5117466	-0.7835592	-0.9332055	-0.9650522	-0.9454056	-0.9589293
## 82	-0.2130272	-0.7547019	-0.8977879	-0.9389719	-0.9474577	-0.9693561
## 83	-0.2602845	-0.6701405	-0.9415650	-0.9459119	-0.9433731	-0.9710224
## 84	-0.4940896	-0.8012037	-0.9262765	-0.9123872	-0.9081282	-0.7631971
## 85	-0.4140828	-0.8457842	-0.9496512	-0.9331781	-0.9370456	-0.9510964
## 86	-0.3707698	-0.8279569	-0.9329327	-0.9096555	-0.8697656	-0.9019787
## 87	-0.4332125	-0.8688838	-0.9508871	-0.9654504	-0.9081968	-0.9580691
## 88	-0.2910258	-0.8722167	-0.9271781	-0.9138601	-0.8246329	-0.8290741
## 89	-0.4341472	-0.8237304	-0.9400721	-0.9415914	-0.9346136	-0.9673626
## 90	-0.4719309	-0.7236106	-0.9436362	-0.9598030	-0.9642088	-0.9868991

## 91	-0.2881026	-0.6837312	-0.9364398	-0.9341233	-0.9637751	-0.9761244
## 92	-0.3855661	-0.6841580	-0.9343537	-0.9278199	-0.9582081	-0.9861767
## 93	-0.5649466	-0.7549161	-0.9519375	-0.9321190	-0.9480365	-0.9829521
## 94	-0.4010923	-0.8378962	-0.9479758	-0.9429850	-0.9240457	-0.9930601
## 95	-0.2574292	-0.7314266	-0.9513106	-0.9440866	-0.9573702	-0.9591475
## 96	-0.1977696	-0.7867993	-0.9228888	-0.9089427	-0.9526444	-0.9395811
## 97	-0.3191523	-0.6808400	-0.9388689	-0.9169113	-0.8925964	-0.9731542
## 98	-0.5234288	-0.7327920	-0.9351136	-0.9412270	-0.9563870	-0.8836326
## 99	-0.4060459	-0.8069531	-0.9519502	-0.8981594	-0.8973983	-0.9377983
## 100	-0.4722698	-0.7701031	-0.9766847	-0.9508535	-0.9725734	-0.9815951
## 101	-0.4778799	-0.6693210	-0.9264349	-0.8557806	-0.8760280	-0.9512685
## 102	-0.4422383	-0.4887509	-0.8994233	-0.8257716	-0.8145014	-0.9484543
## 103	-0.4098663	-0.6240274	-0.8070827	-0.7537506	-0.6218962	-0.7524619
## 104	-0.3997653	-0.7159342	-0.8855127	-0.9309790	-0.8266447	-0.8666013
## 105	-0.4447682	-0.8087012	-0.8785648	-0.8583347	-0.8629828	-0.8282195
## 106	-0.5389095	-0.7989345	-0.9338383	-0.9427441	-0.9359730	-0.8851748
## 107	-0.4158373	-0.7671080	-0.9572072	-0.9239886	-0.9647326	-0.9695411
## 108	-0.3944962	-0.6830176	-0.9762503	-0.9524670	-0.9079368	-0.9741239
## 109	-0.3584887	-0.7305062	-0.9046173	-0.8255305	-0.7757568	-0.7183751
## 110	-0.2949211	-0.6897126	-0.9200248	-0.9253545	-0.9206300	-0.9711719
## 111	-0.4676903	-0.6577292	-0.9057675	-0.8710931	-0.8955616	-0.9087202
## 112	-0.5367710	-0.4029782	-0.9352622	-0.9040200	-0.7836691	-0.8615650
## 113	-0.5096982	-0.6512678	-0.9397851	-0.9420483	-0.9384223	-0.9396134
## 114	-0.5538930	-0.6701447	-0.9174436	-0.9725754	-0.9684572	-0.9405333
## 115	-0.3310561	-0.8120774	-0.9403014	-0.8888982	-0.8706345	-0.9486986
## 116	-0.3639268	-0.7805863	-0.9290068	-0.9625246	-0.8933967	-0.9796769
## 117	-0.4624948	-0.8184829	-0.8955646	-0.8555471	-0.7923731	-0.7911079
## 118	-0.5018879	-0.8352199	-0.9270544	-0.9159835	-0.9461146	-0.9550657
## 119	-0.5585651	-0.8528737	-0.9352759	-0.9199182	-0.9451095	-0.8791330
## 120	-0.5982478	-0.8641628	-0.9775688	-0.9562992	-0.9787566	-0.9477104
## 121	-0.5448072	-0.8432404	-0.9689592	-0.9443194	-0.9306054	-0.9542765
## 122	-0.4446564	-0.7392742	-0.9883852	-0.9363328	-0.9009778	-0.9032329
## 123	-0.5310953	-0.7590729	-0.9547617	-0.9447455	-0.9341403	-0.9188415
## 124	-0.5190641	-0.8073457	-0.9280908	-0.8991250	-0.8934227	-0.8867732
## 125	-0.4940163	-0.8367649	-0.9432309	-0.9074633	-0.9576222	-0.9422009
## 126	-0.8494593	-0.7796102	-0.8965477	-0.9464057	-0.9632964	-0.9862726
## 127	-0.8604209	-0.8147367	-0.9649124	-0.9695946	-0.9667277	-0.9824788
## 128	-0.8334661	-0.8383065	-0.9240227	-0.9312923	-0.8749283	-0.8964878
## 129	-0.7747237	-0.7858101	-0.9503092	-0.9561263	-0.9235520	-0.9494856
## 130	-0.8037486	-0.8652314	-0.9570308	-0.9748346	-0.9510349	-0.9864389
## 131	-0.8197636	-0.8832400	-0.8868052	-0.9430460	-0.9164002	-0.9738115
## 132	-0.8417902	-0.8535896	-0.8933799	-0.9480735	-0.8285381	-0.8955994
## 133	-0.9205539	-0.8967441	-0.9681878	-0.9665704	-0.9706815	-0.9704983
## 134	-0.9074810	-0.9167686	-0.9719583	-0.9444630	-0.9476474	-0.9833596
## 135	-0.8821237	-0.8722044	-0.9527887	-0.8808948	-0.8931958	-0.8577524
## 136	-0.8421835	-0.9328114	-0.9698432	-0.9517909	-0.9460961	-0.9749275
## 137	-0.7951663	-0.9079180	-0.9454855	-0.9444300	-0.9624093	-0.9893668
## 138	-0.8206271	-0.8946138	-0.9325847	-0.8704767	-0.9129578	-0.8466871
## 139	-0.8550085	-0.9209586	-0.8725863	-0.6737662	-0.6443864	-0.4635188
## 140	-0.5543924	-0.8667030	-0.9412236	-0.9464387	-0.9446712	-0.9520102

## 141	-0.4374391	-0.6881891	-0.7237719	-0.5803384	-0.5240434	-0.5244128
## 142	-0.9100135	-0.8920178	-0.9617052	-0.9354023	-0.9472192	-0.9540202
## 143	-0.8436030	-0.7826649	-0.9187693	-0.9442060	-0.9478805	-0.9776949
## 144	-0.8419698	-0.7020300	-0.9261657	-0.9305504	-0.8743215	-0.8799753
## 145	-0.7327909	-0.7616120	-0.9097816	-0.8831834	-0.9360177	-0.9414870
## 146	-0.6357876	-0.7352024	-0.9170246	-0.9326571	-0.8874735	-0.8821906
## 147	-0.8251555	-0.8811931	-0.9373320	-0.9007092	-0.9126642	-0.8925089
## 148	-0.8348097	-0.8285833	-0.9331413	-0.9355817	-0.9511963	-0.9506601
## 149	-0.8707926	-0.8795401	-0.9582723	-0.9031907	-0.9268704	-0.8956995
## 150	-0.9378514	-0.9159169	-0.9746764	-0.9817596	-0.9848548	-0.9834781
## 151	-0.9166580	-0.9356202	-0.9844538	-0.9621191	-0.9680429	-0.9809991
## 152	-0.9230969	-0.9615787	-0.9917995	-0.9881997	-0.9748167	-0.9922206
## 153	-0.9010370	-0.9599356	-0.9552520	-0.9564539	-0.9586576	-0.9632221
## 154	-0.9180912	-0.9440861	-0.9605190	-0.9588117	-0.9801161	-0.9480123
## 155	-0.9134283	-0.9691948	-0.9828860	-0.9825856	-0.9850347	-0.9766456
## 156	-0.9286154	-0.9658615	-0.9716008	-0.9598730	-0.9835874	-0.9760850
## 157	-0.8624287	-0.9698115	-0.9750225	-0.9608154	-0.9707063	-0.9334674
## 158	-0.8824088	-0.9374716	-0.9865864	-0.9718067	-0.9741715	-0.9857096
## 159	-0.8628514	-0.9420728	-0.9778102	-0.9545800	-0.9585337	-0.9496340
## 160	-0.8428431	-0.9330073	-0.9710137	-0.9509397	-0.9580904	-0.9562926
## 161	-0.8736154	-0.9214167	-0.9652531	-0.9446443	-0.9758952	-0.9796388
## 162	-0.8952459	-0.9581532	-0.9384185	-0.9344212	-0.9277577	-0.9196938
## 163	-0.8610781	-0.9358499	-0.9461232	-0.9386894	-0.9215818	-0.8938473
## 164	-0.8914980	-0.9716050	-0.9848416	-0.9754376	-0.9899540	-0.9932763
## 165	-0.8944840	-0.9375644	-0.9540004	-0.9325599	-0.8851485	-0.8832430
## 166	-0.9437863	-0.9824865	-0.9849198	-0.9858504	-0.9700874	-0.9964646
## 167	-0.8891143	-0.9328353	-0.9805162	-0.9289597	-0.9368134	-0.9240093
## 168	-0.9085232	-0.9600319	-0.9791885	-0.9654160	-0.9690719	-0.9475513
## 169	-0.8570943	-0.9450690	-0.9796536	-0.9677637	-0.9890775	-0.9908908
## 170	-0.8069485	-0.9430038	-0.9809128	-0.9532148	-0.9755694	-0.9866482
## 171	-0.8222315	-0.9483757	-0.9607100	-0.9375098	-0.9410427	-0.9520544
## 172	-0.8522340	-0.9576279	-0.9667663	-0.9776830	-0.9847021	-0.9907610
## 173	-0.8908109	-0.9384364	-0.9796132	-0.9716637	-0.9859905	-0.9889982
## 174	-0.8421675	-0.9521151	-0.9535274	-0.9589260	-0.9457917	-0.9205512
## 175	-0.8825773	-0.9576475	-0.9883498	-0.9927689	-0.9860159	-0.9951800
## 176	-0.9049816	-0.8934064	-0.9637689	-0.9356013	-0.9316231	-0.9139480
## 177	-0.9998558	-0.9999449	-0.9999494	-0.9999068	-0.9997211	-0.9990590
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999847	-0.9998633	-0.9999681	-0.9999361	-0.9999536	-0.9998644
## 2	-0.9997824	-0.9998299	-0.9998988	-0.9998828	-0.9997834	-0.9998283
## 3	-0.9998622	-0.9996744	-0.9999063	-0.9998314	-0.9998629	-0.9996757
## 4	-0.9998929	-0.9999502	-0.9999481	-0.9998769	-0.9998597	-0.9999484
## 5	-0.9999175	-0.9998651	-0.9999183	-0.9999109	-0.9999077	-0.9998636
## 6	-0.9999847	-0.9998604	-0.9999700	-0.9999733	-0.9999708	-0.9998617
## 7	-1.0000000	-0.9999083	-0.9999590	-0.9999320	-0.9999907	-0.9999077
## 8	-0.9999739	-0.9999215	-0.9999523	-0.9999292	-0.9999667	-0.9999200
## 9	-0.9999937	-0.9999436	-0.9999412	-0.9999554	-0.9999851	-0.9999412
## 10	-0.9999993	-0.9998632	-0.9998824	-0.9998878	-0.9999758	-0.9998591
## 11	-0.9999983	-0.9998545	-0.9999351	-0.9999045	-0.9999851	-0.9998542
## 12	-0.9999763	-0.9999727	-0.9999792	-0.9999522	-0.9999575	-0.9999726

## 13	-0.9999981	-0.9999819	-0.9999759	-0.9999676	-0.9999901	-0.9999811
## 14	-0.9999901	-0.9999933	-0.9999844	-0.9999783	-0.9999890	-0.9999928
## 15	-0.9996735	-0.9997129	-0.9998243	-0.9998167	-0.9996748	-0.9997098
## 16	-0.9999974	-0.9999157	-0.9999597	-0.9999660	-0.9999905	-0.9999151
## 17	-0.9999750	-0.9999202	-0.9999672	-0.9999592	-0.9999705	-0.9999200
## 18	-0.9999168	-0.9999222	-0.9999591	-0.9999504	-0.9999158	-0.9999216
## 19	-0.9999458	-0.9999455	-0.9999831	-0.9999451	-0.9999371	-0.9999459
## 20	-0.9999978	-0.9999837	-0.9999921	-0.9999714	-0.9999840	-0.9999839
## 21	-0.9999951	-0.9999927	-0.9999826	-0.9999824	-0.9999835	-0.9999921
## 22	-0.9999988	-0.9999940	-0.9999702	-0.9999848	-0.9999829	-0.9999926
## 23	-0.9999999	-0.9999953	-0.9999799	-0.9999898	-0.9999946	-0.9999945
## 24	-0.9999998	-0.9999959	-0.9999887	-0.9999769	-0.9999981	-0.9999953
## 25	-0.9999976	-0.9999864	-0.9999837	-0.9999676	-0.9999951	-0.9999859
## 26	-0.9999893	-0.9999665	-0.9999873	-0.9999808	-0.9999822	-0.9999669
## 27	-0.9999823	-0.9999752	-0.9999606	-0.9999636	-0.9999662	-0.9999736
## 28	-0.9995604	-0.9996075	-0.9997509	-0.9996444	-0.9995619	-0.9995997
## 29	-0.9999706	-0.9999734	-0.9999746	-0.9999565	-0.9999689	-0.9999725
## 30	-0.9999872	-0.9999824	-0.9999876	-0.9999729	-0.9999893	-0.9999825
## 31	-0.9875128	-0.9629332	-0.9958917	-0.9915390	-0.9869917	-0.9633787
## 32	-0.9999672	-0.9598945	-0.9958911	-0.9981001	-0.9991190	-0.9603303
## 33	-0.9869638	-0.9974301	-0.9964953	-0.9917641	-0.9882852	-0.9973044
## 34	-0.9999474	-0.9999871	-0.9999779	-0.9999496	-0.9999324	-0.9999863
## 35	-0.9999935	-0.9999948	-0.9999908	-0.9999936	-0.9999923	-0.9999946
## 36	-0.9999951	-0.9999884	-0.9999897	-0.9999889	-0.9999947	-0.9999884
## 37	-0.9999919	-0.9999980	-0.9999930	-0.9999875	-0.9999843	-0.9999979
## 38	-0.9999982	-0.9999955	-0.9999928	-0.9999869	-0.9999904	-0.9999954
## 39	-0.9995549	-0.9988432	-0.9998247	-0.9995291	-0.9994920	-0.9988554
## 40	-0.9979891	-0.9984095	-0.9994439	-0.9987493	-0.9981731	-0.9984138
## 41	-0.9990965	-0.9992247	-0.9997994	-0.9994649	-0.9991703	-0.9992286
## 42	-0.9997956	-0.9998246	-0.9999446	-0.9998645	-0.9998005	-0.9998254
## 43	-0.9999783	-0.9999732	-0.9999803	-0.9999813	-0.9999798	-0.9999729
## 44	-0.9999994	-0.9999971	-0.9999972	-0.9999919	-0.9999966	-0.9999973
## 45	-0.9999990	-0.9999918	-0.9999879	-0.9999813	-0.9999905	-0.9999916
## 46	-0.9999936	-0.9999969	-0.9999844	-0.9999768	-0.9999868	-0.9999968
## 47	-0.9999922	-0.9999978	-0.9999835	-0.9999762	-0.9999875	-0.9999974
## 48	-0.9999928	-0.9999957	-0.9999918	-0.9999807	-0.9999917	-0.9999957
## 49	-0.9999915	-0.9999964	-0.9999919	-0.9999755	-0.9999817	-0.9999962
## 50	-0.9999951	-0.9999953	-0.9999926	-0.9999798	-0.9999880	-0.9999953
## 51	-0.9999704	-0.9999955	-0.9999836	-0.9999710	-0.9999706	-0.9999953
## 52	-0.9994645	-0.9989256	-0.9995215	-0.9994274	-0.9993451	-0.9989193
## 53	-0.9998703	-0.9997864	-0.9999541	-0.9998584	-0.9998842	-0.9997884
## 54	-0.9999197	-0.9999341	-0.9999636	-0.9999064	-0.9999255	-0.9999336
## 55	-0.9999820	-0.9999854	-0.9999902	-0.9999852	-0.9999828	-0.9999856
## 56	-0.9999976	-0.9999982	-0.9999921	-0.9999882	-0.9999947	-0.9999982
## 57	-0.9999994	-0.9999981	-0.9999918	-0.9999894	-0.9999935	-0.9999980
## 58	-0.9999999	-0.9999977	-0.9999922	-0.9999830	-0.9999933	-0.9999975
## 59	-0.9999999	-0.9999980	-0.9999956	-0.9999837	-0.9999944	-0.9999980
## 60	-0.9999983	-0.9999980	-0.9999973	-0.9999940	-0.9999964	-0.9999981
## 61	-0.9999993	-0.9999988	-0.9999998	-0.9999929	-0.9999930	-0.9999990
## 62	-0.9999985	-0.9999975	-0.9999910	-0.9999751	-0.9999890	-0.9999973

## 63	-0.9999995	-0.9999963	-0.9999896	-0.9999708	-0.9999920	-0.9999959
## 64	-0.9999996	-0.9999975	-0.9999971	-0.9999922	-0.9999939	-0.9999975
## 65	-0.9990230	-0.9933987	-0.9986225	-0.9981414	-0.9985496	-0.9934884
## 66	-0.9991937	-0.9983892	-0.9997724	-0.9995416	-0.9992115	-0.9984074
## 67	-0.9949412	-0.8298765	-0.9862868	-0.9896959	-0.9948496	-0.8321192
## 68	-0.9997572	-0.8091965	-0.9852567	-0.9912987	-0.9983226	-0.8117462
## 69	-0.9860467	-0.9813797	-0.9941966	-0.9892876	-0.9870581	-0.9814474
## 70	-0.4316324	-0.9439529	-0.8964525	-0.6687753	-0.4665329	-0.9407492
## 71	-0.9598615	-0.5712891	-0.9567163	-0.9256467	-0.9652799	-0.5768652
## 72	-0.4440564	-0.6183315	-0.8483721	-0.5511874	-0.5036432	-0.6191109
## 73	-0.9346636	-0.9570647	-0.9805757	-0.9590777	-0.9380521	-0.9567554
## 74	-0.9997444	-0.9984328	-0.9996701	-0.9996362	-0.9996175	-0.9984443
## 75	-0.9984674	-0.9986904	-0.9995040	-0.9987631	-0.9985853	-0.9986941
## 76	-0.9992087	-0.9992247	-0.9997840	-0.9995098	-0.9992620	-0.9992294
## 77	-0.9998070	-0.9998029	-0.9999016	-0.9998353	-0.9998312	-0.9998017
## 78	-0.9999950	-0.9999604	-0.9999558	-0.9999578	-0.9999863	-0.9999587
## 79	-0.9680081	-0.7722790	-0.9058879	-0.9498878	-0.9667419	-0.7708723
## 80	-0.8036046	-0.8290261	-0.8354034	-0.8207241	-0.7892296	-0.8222943
## 81	-0.9998844	-0.8564379	-0.7986573	-0.9535389	-0.9770513	-0.8470864
## 82	-0.9967430	-0.8072008	-0.7609952	-0.9362914	-0.9814744	-0.7971186
## 83	-0.9997243	-0.8217019	-0.7108412	-0.9394401	-0.9837225	-0.8067553
## 84	-0.8801660	-0.8920585	-0.8100222	-0.9018436	-0.8149540	-0.8830592
## 85	-0.9735195	-0.8845693	-0.8554173	-0.9280344	-0.9610183	-0.8781317
## 86	-0.9448728	-0.8699471	-0.8342567	-0.8843282	-0.9209587	-0.8627873
## 87	-0.9599597	-0.8623869	-0.8745014	-0.9386636	-0.9589057	-0.8575907
## 88	-0.8645726	-0.8657332	-0.8675084	-0.8688654	-0.8447816	-0.8610615
## 89	-0.9796538	-0.8894001	-0.8337702	-0.9328776	-0.9728013	-0.8816760
## 90	-0.9904335	-0.8845671	-0.7546943	-0.9575560	-0.9884630	-0.8714609
## 91	-0.9933856	-0.8569850	-0.7196816	-0.9395741	-0.9837622	-0.8421752
## 92	-0.9962193	-0.8698782	-0.7191738	-0.9329367	-0.9906204	-0.8548705
## 93	-0.9994924	-0.8941975	-0.7832616	-0.9317756	-0.9902709	-0.8826349
## 94	-0.9988466	-0.8680001	-0.8483891	-0.9295406	-0.9956206	-0.8614162
## 95	-0.9878540	-0.8437935	-0.7641123	-0.9438741	-0.9718497	-0.8318133
## 96	-0.9777663	-0.8435590	-0.7970540	-0.9175823	-0.9564774	-0.8346053
## 97	-0.9854534	-0.8641978	-0.7183472	-0.8986558	-0.9785964	-0.8491064
## 98	-0.9335943	-0.8914233	-0.7586019	-0.9414911	-0.9057399	-0.8787007
## 99	-0.9311864	-0.8614833	-0.8251221	-0.8876093	-0.9348726	-0.8533222
## 100	-0.9998401	-0.8763247	-0.8055743	-0.9547569	-0.9896683	-0.8658976
## 101	-0.9850328	-0.8920220	-0.7040087	-0.8495234	-0.9662087	-0.8758246
## 102	-0.9790035	-0.8888953	-0.5477483	-0.8036625	-0.9619719	-0.8628955
## 103	-0.7672981	-0.8744247	-0.6188794	-0.6752966	-0.7590267	-0.8560570
## 104	-0.9036980	-0.8684292	-0.7248044	-0.8815543	-0.8830161	-0.8551808
## 105	-0.8482671	-0.8911894	-0.7965854	-0.8459823	-0.8370903	-0.8826142
## 106	-0.9077914	-0.9086566	-0.8112824	-0.9342304	-0.8951823	-0.8992487
## 107	-0.9767348	-0.8904349	-0.7952182	-0.9329370	-0.9727242	-0.8796023
## 108	-0.9997066	-0.8810071	-0.7353511	-0.9295554	-0.9854438	-0.8657463
## 109	-0.7508925	-0.8695376	-0.7443202	-0.7877185	-0.7327636	-0.8570656
## 110	-0.9983924	-0.8649342	-0.7177950	-0.9159254	-0.9832166	-0.8503145
## 111	-0.9241311	-0.8854066	-0.6862523	-0.8680946	-0.9155393	-0.8686900
## 112	-0.9130567	-0.8714991	-0.4933811	-0.8453621	-0.8843493	-0.8411159

## 113	-0.9982012	-0.8683722	-0.6949350	-0.9347453	-0.9655376	-0.8515951
## 114	-0.9991246	-0.8797607	-0.7010027	-0.9681419	-0.9664590	-0.8638187
## 115	-0.9391565	-0.8570921	-0.8244908	-0.8702896	-0.9444764	-0.8492860
## 116	-0.9903696	-0.8569465	-0.7945529	-0.9306083	-0.9844083	-0.8474240
## 117	-0.7905719	-0.8850764	-0.8113895	-0.8152970	-0.7908707	-0.8771400
## 118	-0.9890813	-0.8923017	-0.8377002	-0.9198052	-0.9701171	-0.8851549
## 119	-0.9364598	-0.8885544	-0.8552542	-0.9221241	-0.9044993	-0.8824354
## 120	-0.9997379	-0.9104854	-0.8815908	-0.9610506	-0.9707317	-0.9046065
## 121	-0.9831662	-0.9044437	-0.8612493	-0.9331369	-0.9670597	-0.8975264
## 122	-0.9676349	-0.8764609	-0.7855516	-0.9155349	-0.9317298	-0.8643488
## 123	-0.9874414	-0.8317367	-0.7877574	-0.9348718	-0.9491959	-0.8214723
## 124	-0.9197950	-0.8310282	-0.8157028	-0.8866599	-0.9013849	-0.8234108
## 125	-0.9562544	-0.8901883	-0.8455432	-0.9185835	-0.9484194	-0.8831621
## 126	-0.9981175	-0.9622262	-0.7805239	-0.9478953	-0.9915138	-0.9508448
## 127	-0.9999345	-0.9730779	-0.8366716	-0.9653709	-0.9902027	-0.9634276
## 128	-0.9048146	-0.7930832	-0.8389458	-0.9014326	-0.9001723	-0.7878066
## 129	-0.9663279	-0.7328204	-0.8074464	-0.9384512	-0.9569381	-0.7257120
## 130	-0.9994870	-0.9014896	-0.8740704	-0.9626140	-0.9922125	-0.8958234
## 131	-0.9910502	-0.7146508	-0.8599020	-0.9264696	-0.9814394	-0.7131720
## 132	-0.9199852	-0.6394069	-0.8387357	-0.8941779	-0.9063897	-0.6376002
## 133	-0.9995689	-0.9705533	-0.9039695	-0.9648840	-0.9833616	-0.9654225
## 134	-0.9665530	-0.9729507	-0.9216145	-0.9401761	-0.9759229	-0.9688719
## 135	-0.8656949	-0.9394686	-0.8779482	-0.8739274	-0.8612668	-0.9335316
## 136	-0.9764012	-0.9471312	-0.9336552	-0.9446252	-0.9755796	-0.9443709
## 137	-0.9961395	-0.7684928	-0.9036941	-0.9461642	-0.9923636	-0.7674376
## 138	-0.8616041	-0.5813204	-0.8877293	-0.8747510	-0.8532876	-0.5827492
## 139	-0.4283423	-0.8066332	-0.8844389	-0.6289964	-0.4479537	-0.8056356
## 140	-0.9569285	-0.7086509	-0.8688045	-0.9403340	-0.9541865	-0.7063724
## 141	-0.4251602	-0.7565416	-0.6364946	-0.5152132	-0.4804951	-0.7436978
## 142	-0.9707289	-0.9656142	-0.8975229	-0.9337193	-0.9614136	-0.9603102
## 143	-0.9802442	-0.9498626	-0.7920477	-0.9400927	-0.9788230	-0.9388599
## 144	-0.8988713	-0.9376541	-0.7302079	-0.9006711	-0.8883365	-0.9224595
## 145	-0.9376533	-0.7648497	-0.7714469	-0.8929514	-0.9397907	-0.7558710
## 146	-0.8686261	-0.5745948	-0.7531600	-0.9074874	-0.8761885	-0.5674377
## 147	-0.9182014	-0.6957742	-0.8788715	-0.8955935	-0.9038775	-0.6945074
## 148	-0.9860556	-0.7303554	-0.8348457	-0.9354632	-0.9663221	-0.7256239
## 149	-0.8753654	-0.9277107	-0.8860860	-0.9030989	-0.8867020	-0.9223758
## 150	-0.9959979	-0.9554256	-0.9220384	-0.9811870	-0.9890180	-0.9516009
## 151	-0.9872006	-0.9536905	-0.9418759	-0.9607232	-0.9837432	-0.9509710
## 152	-0.9952855	-0.9670169	-0.9657525	-0.9815648	-0.9935768	-0.9654857
## 153	-0.9612674	-0.7884185	-0.9495187	-0.9529735	-0.9623572	-0.7898608
## 154	-0.9613855	-0.6775074	-0.9389195	-0.9633462	-0.9539298	-0.6799869
## 155	-0.9889569	-0.8924295	-0.9682415	-0.9818330	-0.9820932	-0.8925933
## 156	-0.9781543	-0.9226581	-0.9609558	-0.9654956	-0.9770007	-0.9221215
## 157	-0.9657280	-0.8961945	-0.9655291	-0.9609038	-0.9477423	-0.8963274
## 158	-0.9971529	-0.9652644	-0.9442352	-0.9699358	-0.9907731	-0.9624475
## 159	-0.9743441	-0.9428423	-0.9443552	-0.9516237	-0.9605678	-0.9406610
## 160	-0.9745370	-0.9449528	-0.9342904	-0.9489191	-0.9643655	-0.9422405
## 161	-0.9851619	-0.8267277	-0.9226172	-0.9518043	-0.9820827	-0.8254104
## 162	-0.9274583	-0.7079726	-0.9412167	-0.9251143	-0.9231294	-0.7106974

## 163	-0.8939540	-0.8589039	-0.9264210	-0.9255588	-0.8938945	-0.8578226
## 164	-0.9994216	-0.8691129	-0.9709780	-0.9788800	-0.9959955	-0.8698082
## 165	-0.8555262	-0.9195652	-0.9310141	-0.9064732	-0.8709787	-0.9175371
## 166	-0.9968051	-0.9717833	-0.9797623	-0.9780101	-0.9966153	-0.9713116
## 167	-0.9160004	-0.9601723	-0.9380293	-0.9250150	-0.9204655	-0.9571896
## 168	-0.9571676	-0.9424352	-0.9593627	-0.9634281	-0.9518064	-0.9412412
## 169	-0.9996241	-0.9549421	-0.9475173	-0.9732023	-0.9947552	-0.9527169
## 170	-0.9976394	-0.8434436	-0.9463700	-0.9576140	-0.9915116	-0.8430180
## 171	-0.9464366	-0.6626568	-0.9424477	-0.9326655	-0.9495686	-0.6656251
## 172	-0.9964757	-0.9328903	-0.9523607	-0.9782983	-0.9932896	-0.9317288
## 173	-0.9996387	-0.8911749	-0.9421660	-0.9746494	-0.9937065	-0.8896813
## 174	-0.9154374	-0.8243406	-0.9425247	-0.9494485	-0.9182884	-0.8247399
## 175	-0.9998565	-0.9738080	-0.9611829	-0.9892933	-0.9972493	-0.9719458
## 176	-0.9055428	-0.9460545	-0.8994819	-0.9275066	-0.9102288	-0.9411617
## 177	-0.9996025	-0.9994095	-0.9999371	-0.9998232	-0.9992995	-0.9994169
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999610	-0.99945373	-0.9999781	-0.9999915	-0.9999901	-0.9999686
## 2	-0.9999080	-0.99985638	-0.9999885	-0.9999957	-0.9999942	-0.9999861
## 3	-0.9999035	-0.99995441	-0.9999876	-0.9999901	-0.9999943	-0.9999730
## 4	-0.9999461	-0.99993054	-0.9999892	-0.9999924	-0.9999925	-0.9999859
## 5	-0.9999326	-0.99992595	-0.9999927	-0.9999964	-0.9999884	-0.9999666
## 6	-0.9999732	-0.99992626	-0.9999897	-0.9999942	-0.9999842	-0.9999678
## 7	-0.9999679	-0.99988161	-0.9999699	-0.9999928	-0.9999917	-0.9999896
## 8	-0.9999756	-0.99982425	-0.9999846	-0.9999927	-0.9999873	-0.9999753
## 9	-0.9999745	-0.99995121	-0.9999804	-0.9999925	-0.9999865	-0.9999741
## 10	-0.9999332	-0.99987183	-0.9999330	-0.9999899	-0.9999885	-0.9999853
## 11	-0.9999353	-0.99988310	-0.9999461	-0.9999917	-0.9999934	-0.9999769
## 12	-0.9999703	-0.99997547	-0.9999886	-0.9999954	-0.9999958	-0.9999913
## 13	-0.9999838	-0.99998157	-0.9999976	-0.9999974	-0.9999978	-0.9999955
## 14	-0.9999857	-0.99998896	-0.9999958	-0.9999972	-0.9999961	-0.9999960
## 15	-0.9998512	-0.99710402	-0.9997422	-0.9999207	-0.9999109	-0.9997919
## 16	-0.9999765	-0.99895934	-0.9999619	-0.9999838	-0.9999559	-0.9999458
## 17	-0.9999761	-0.99966275	-0.9999829	-0.9999939	-0.9999789	-0.9999744
## 18	-0.9999693	-0.99988146	-0.9999824	-0.9999945	-0.9999908	-0.9999832
## 19	-0.9999751	-0.99999420	-0.9999895	-0.9999983	-0.9999980	-0.9999931
## 20	-0.9999848	-0.99998480	-0.9999964	-0.9999995	-0.9999992	-0.9999961
## 21	-0.9999871	-0.99999100	-0.9999982	-0.9999976	-0.9999969	-0.9999956
## 22	-0.9999873	-0.99999643	-0.9999967	-0.9999967	-0.9999960	-0.9999982
## 23	-0.9999918	-0.99998926	-0.9999945	-0.9999976	-0.9999974	-0.9999949
## 24	-0.9999930	-0.99999392	-0.9999965	-0.9999965	-0.9999955	-0.9999940
## 25	-0.9999841	-0.99998950	-0.9999971	-0.9999966	-0.9999926	-0.9999930
## 26	-0.9999827	-0.99998798	-0.9999959	-0.9999971	-0.9999939	-0.9999934
## 27	-0.9999750	-0.99999014	-0.9999962	-0.9999950	-0.9999946	-0.9999871
## 28	-0.9998392	-0.99943892	-0.9998946	-0.9998879	-0.9998435	-0.9998137
## 29	-0.9999815	-0.99942331	-0.9999469	-0.9999807	-0.9999785	-0.9999560
## 30	-0.9999807	-0.99951495	-0.9999787	-0.9999888	-0.9999806	-0.9999682
## 31	-0.9952544	-0.78221186	-0.9951950	-0.9963849	-0.9992820	-0.9986348
## 32	-0.9987596	-0.77380072	-0.9946096	-0.9955829	-0.9989830	-0.9984730
## 33	-0.9958525	-0.99099150	-0.9997812	-0.9993608	-0.9995670	-0.9994849
## 34	-0.9999782	-0.99968925	-0.9999103	-0.9999198	-0.9998601	-0.9998851

## 35	-0.9999950	-0.99990954	-0.9999906	-0.9999794	-0.9999673	-0.9999821
## 36	-0.9999891	-0.99997391	-0.9999851	-0.9999896	-0.9999765	-0.9999561
## 37	-0.9999922	-0.99994991	-0.9999862	-0.9999896	-0.9999775	-0.9999684
## 38	-0.9999927	-0.99997121	-0.9999889	-0.9999824	-0.9999825	-0.9999806
## 39	-0.9997576	-0.99930017	-0.9999749	-0.9999761	-0.9999304	-0.9998716
## 40	-0.9992584	-0.99986881	-0.9999853	-0.9999900	-0.9999628	-0.9999505
## 41	-0.9997404	-0.99985420	-0.9999883	-0.9999899	-0.9999863	-0.9999872
## 42	-0.9999244	-0.99995590	-0.9999878	-0.9999905	-0.9999781	-0.9999860
## 43	-0.9999832	-0.99996645	-0.9999930	-0.9999925	-0.9999842	-0.9999850
## 44	-0.9999932	-0.99997482	-0.9999963	-0.9999927	-0.9999852	-0.9999738
## 45	-0.9999854	-0.99996403	-0.9999940	-0.9999918	-0.9999885	-0.9999854
## 46	-0.9999750	-0.99995997	-0.9999919	-0.9999901	-0.9999904	-0.9999896
## 47	-0.9999800	-0.99996412	-0.9999966	-0.9999948	-0.9999894	-0.9999851
## 48	-0.9999873	-0.99996229	-0.9999945	-0.9999975	-0.9999877	-0.9999837
## 49	-0.9999903	-0.99997347	-0.9999967	-0.9999939	-0.9999874	-0.9999887
## 50	-0.9999888	-0.99996680	-0.9999953	-0.9999945	-0.9999897	-0.9999738
## 51	-0.9999757	-0.99994424	-0.9999892	-0.9999976	-0.9999793	-0.9999688
## 52	-0.9996375	-0.99799632	-0.9980930	-0.9997044	-0.9994206	-0.9997612
## 53	-0.9999250	-0.99993207	-0.9999890	-0.9999982	-0.9999905	-0.9999894
## 54	-0.9999562	-0.99997595	-0.9999935	-0.9999991	-0.9999930	-0.9999933
## 55	-0.9999847	-0.99996443	-0.9999903	-0.9999990	-0.9999946	-0.9999967
## 56	-0.9999857	-0.99997122	-0.9999898	-0.9999977	-0.9999949	-0.9999976
## 57	-0.9999908	-0.99996484	-0.9999882	-0.9999974	-0.9999972	-0.9999954
## 58	-0.9999921	-0.99996238	-0.9999857	-0.9999977	-0.9999944	-0.9999856
## 59	-0.9999939	-0.99994877	-0.9999911	-0.9999989	-0.9999948	-0.9999908
## 60	-0.9999971	-0.99996768	-0.9999953	-0.9999993	-0.9999969	-0.9999971
## 61	-0.9999974	-0.99997057	-0.9999958	-0.9999987	-0.9999947	-0.9999945
## 62	-0.9999883	-0.99996344	-0.9999941	-0.9999977	-0.9999960	-0.9999911
## 63	-0.9999881	-0.99996100	-0.9999927	-0.9999973	-0.9999990	-0.9999920
## 64	-0.9999977	-0.99995565	-0.9999902	-0.9999982	-0.9999915	-0.9999925
## 65	-0.9976419	-0.99499613	-0.9996516	-0.9995164	-0.9968396	-0.9988008
## 66	-0.9997151	-0.99964649	-0.9999116	-0.9999791	-0.9998895	-0.9999322
## 67	-0.9903650	-0.96740376	-0.9951714	-0.9965745	-0.9961029	-0.9990808
## 68	-0.9902503	-0.94960278	-0.9951661	-0.9963848	-0.9949608	-0.9990887
## 69	-0.9932051	-0.99558058	-0.9995399	-0.9996673	-0.9993891	-0.9991876
## 70	-0.8297395	-0.96371097	-0.9984038	-0.9970235	-0.9916487	-0.9946581
## 71	-0.9482718	-0.94714672	-0.9906161	-0.9614970	-0.9771342	-0.9921648
## 72	-0.7524651	-0.96638817	-0.9890720	-0.9612849	-0.9856796	-0.9918895
## 73	-0.9810848	-0.98574109	-0.9975438	-0.9979113	-0.9993217	-0.9990908
## 74	-0.9997165	-0.99986284	-0.9999388	-0.9998710	-0.9998714	-0.9999317
## 75	-0.9992600	-0.99995692	-0.9999661	-0.9998873	-0.9999347	-0.9999632
## 76	-0.9997063	-0.99994248	-0.9999961	-0.9999885	-0.9999812	-0.9999820
## 77	-0.9999018	-0.99997505	-0.9999912	-0.9999891	-0.9999833	-0.9999784
## 78	-0.9999766	-0.99999692	-0.9999934	-0.9999853	-0.9999896	-0.9999819
## 79	-0.9575185	-0.56723575	-0.9040146	-0.8480308	-0.9440041	-0.9754414
## 80	-0.9089810	-0.40268988	-0.9492592	-0.9080250	-0.9046179	-0.9659196
## 81	-0.9383465	-0.38062199	-0.9380522	-0.9111973	-0.8732956	-0.9458115
## 82	-0.9077872	-0.39795092	-0.8486603	-0.7873402	-0.8358725	-0.8816221
## 83	-0.9403143	-0.21267441	-0.8541070	-0.7867083	-0.8163953	-0.9228555
## 84	-0.9184192	-0.29733418	-0.9205004	-0.8744873	-0.7932344	-0.8766749

## 85	-0.9428621	-0.48294968	-0.9322568	-0.8871056	-0.8207871	-0.9340782
## 86	-0.9181706	-0.43182564	-0.9215899	-0.8804193	-0.8379211	-0.9372561
## 87	-0.9468230	-0.51041580	-0.9489754	-0.9299509	-0.9165254	-0.9308861
## 88	-0.9095506	-0.40097707	-0.9421527	-0.9382323	-0.8755567	-0.9166893
## 89	-0.9373417	-0.40182805	-0.9626222	-0.9294258	-0.8949722	-0.9106142
## 90	-0.9470397	-0.46664955	-0.9168878	-0.8782200	-0.7707603	-0.8891000
## 91	-0.9366513	-0.27146196	-0.9336979	-0.8674313	-0.7982397	-0.8740045
## 92	-0.9332286	-0.28799703	-0.9150154	-0.8771740	-0.7840533	-0.8594286
## 93	-0.9455934	-0.42106055	-0.9295868	-0.8816726	-0.7820803	-0.8298065
## 94	-0.9420868	-0.38240893	-0.9425065	-0.8335084	-0.8531089	-0.9211106
## 95	-0.9486330	-0.41600134	-0.9086033	-0.7840634	-0.8864329	-0.9429848
## 96	-0.9205157	-0.44336369	-0.9069333	-0.8076192	-0.7735078	-0.8517602
## 97	-0.9265939	-0.39939433	-0.8735508	-0.7340395	-0.8556155	-0.7897894
## 98	-0.9362468	-0.35606189	-0.9254693	-0.7876019	-0.8769333	-0.8866679
## 99	-0.9328532	-0.30868300	-0.9121864	-0.8236140	-0.8794336	-0.9756434
## 100	-0.9701011	-0.32924594	-0.9286966	-0.8876268	-0.9052830	-0.9722095
## 101	-0.9034304	-0.49856055	-0.8935735	-0.8904087	-0.7714551	-0.9135118
## 102	-0.8706826	-0.39228946	-0.9303468	-0.7934625	-0.6586893	-0.6779188
## 103	-0.7669341	-0.32888847	-0.9117741	-0.8247447	-0.6749133	-0.7638953
## 104	-0.8831205	-0.29104870	-0.8802372	-0.8220861	-0.8017302	-0.8946780
## 105	-0.8678338	-0.34147605	-0.9031844	-0.8782995	-0.7992927	-0.8911307
## 106	-0.9332297	-0.40935749	-0.9304139	-0.9176262	-0.8532646	-0.8890152
## 107	-0.9497347	-0.33705777	-0.9176304	-0.9077425	-0.8035317	-0.9023647
## 108	-0.9625125	-0.29244102	-0.9238631	-0.8715142	-0.8858292	-0.9263615
## 109	-0.8698315	-0.31013913	-0.9019810	-0.8793892	-0.8752869	-0.9168930
## 110	-0.9179689	-0.30864155	-0.9003728	-0.8354227	-0.8209587	-0.9074812
## 111	-0.8938642	-0.39330119	-0.9372145	-0.7438685	-0.8333317	-0.9338281
## 112	-0.9086048	-0.37705819	-0.9267915	-0.8681254	-0.7197609	-0.8980428
## 113	-0.9376735	-0.36959368	-0.9498036	-0.9216203	-0.8428019	-0.9050591
## 114	-0.9311778	-0.42099507	-0.9320676	-0.8998021	-0.7724463	-0.8622540
## 115	-0.9194402	-0.35983549	-0.9051559	-0.8558726	-0.8441653	-0.8917273
## 116	-0.9286946	-0.39560353	-0.9277032	-0.8390078	-0.8548239	-0.8666346
## 117	-0.8712542	-0.44725886	-0.9414869	-0.8729119	-0.8105021	-0.9126120
## 118	-0.9241660	-0.47522869	-0.9335014	-0.9277209	-0.8141278	-0.9094930
## 119	-0.9307734	-0.47012306	-0.9468047	-0.8983581	-0.8804939	-0.9066206
## 120	-0.9725565	-0.46710874	-0.9375285	-0.8645284	-0.9043522	-0.9517130
## 121	-0.9582804	-0.49044613	-0.9469320	-0.8905752	-0.9047039	-0.9544570
## 122	-0.9672297	-0.49003490	-0.9283357	-0.8923848	-0.8749610	-0.9389226
## 123	-0.9485270	-0.44263914	-0.8942920	-0.8791716	-0.8663475	-0.9556244
## 124	-0.9153466	-0.36400030	-0.9488573	-0.8533540	-0.9055171	-0.9456620
## 125	-0.9354969	-0.48041216	-0.9003226	-0.8304973	-0.8998461	-0.9563219
## 126	-0.9102411	-0.72814446	-0.9646618	-0.9217521	-0.8986369	-0.9344744
## 127	-0.9646625	-0.65511299	-0.9201844	-0.8449233	-0.7968878	-0.5827816
## 128	-0.9166728	-0.62596403	-0.9603390	-0.7928354	-0.6781387	-0.5962090
## 129	-0.9463444	-0.62378848	-0.9422087	-0.8568280	-0.8053497	-0.8711516
## 130	-0.9581741	-0.64789955	-0.9365811	-0.8679287	-0.8558496	-0.9443850
## 131	-0.8970196	-0.57971028	-0.9142550	-0.7756300	-0.7597961	-0.9292629
## 132	-0.8924467	-0.51570477	-0.9315636	-0.7981125	-0.7858151	-0.9200557
## 133	-0.9668875	-0.67448668	-0.9466843	-0.8955136	-0.8578547	-0.9045031
## 134	-0.9624785	-0.72178926	-0.9496189	-0.8664499	-0.7632710	-0.8922095

## 135	-0.9295092	-0.65585738	-0.7995041	-0.7541681	-0.5347190	-0.7809685
## 136	-0.9622351	-0.60787167	-0.7927450	-0.8317601	-0.6466042	-0.7529254
## 137	-0.9450870	-0.52270407	-0.8347905	-0.7712529	-0.6079445	-0.5983056
## 138	-0.9151546	-0.44349800	-0.8278945	-0.8286259	-0.5837296	-0.7362549
## 139	-0.8008789	-0.42924656	-0.8628904	-0.8706060	-0.3147532	-0.6598695
## 140	-0.9403258	-0.44066897	-0.8498652	-0.7588781	-0.7919568	-0.7774400
## 141	-0.6605515	-0.60518872	-0.8872861	-0.8554202	-0.7934541	-0.7455901
## 142	-0.9532092	-0.64744371	-0.8362345	-0.8749888	-0.8300546	-0.8868089
## 143	-0.9240384	-0.61348151	-0.8434065	-0.9049599	-0.9000048	-0.9242829
## 144	-0.9180007	-0.62499337	-0.8296200	-0.9019078	-0.8906163	-0.8852161
## 145	-0.9039388	-0.57674842	-0.8697898	-0.8374123	-0.7825785	-0.7888103
## 146	-0.9133661	-0.39968222	-0.9185786	-0.8248800	-0.6323752	-0.4551095
## 147	-0.9245999	-0.53081676	-0.9143590	-0.9013554	-0.7756752	-0.6499949
## 148	-0.9330823	-0.57244162	-0.9424251	-0.7862747	-0.8890801	-0.9247587
## 149	-0.9418907	-0.63437301	-0.9122969	-0.7767608	-0.8234609	-0.9212272
## 150	-0.9762802	-0.65672477	-0.8950774	-0.8909236	-0.8905594	-0.9617624
## 151	-0.9774347	-0.27992525	-0.9253474	-0.8762405	-0.9833173	-0.9851689
## 152	-0.9887564	-0.30611387	-0.8974240	-0.9280210	-0.9695822	-0.9811853
## 153	-0.9541065	-0.28257830	-0.8981430	-0.9663887	-0.9770754	-0.9817966
## 154	-0.9609048	-0.23359899	-0.9061529	-0.9531832	-0.9604448	-0.9725460
## 155	-0.9823960	-0.25477496	-0.9279760	-0.8953933	-0.9637152	-0.9558701
## 156	-0.9695291	-0.31604858	-0.9516891	-0.9363981	-0.9012452	-0.8973937
## 157	-0.9706750	-0.31358401	-0.8964859	-0.9234451	-0.9450713	-0.9819905
## 158	-0.9816344	-0.25746278	-0.9176036	-0.8852462	-0.9726687	-0.9925526
## 159	-0.9700096	-0.24016970	-0.9618918	-0.9271455	-0.9679691	-0.9916879
## 160	-0.9643200	-0.27151732	-0.9267876	-0.9279882	-0.9833227	-0.9906059
## 161	-0.9609923	-0.09549240	-0.9250953	-0.9238474	-0.9702089	-0.9857079
## 162	-0.9339063	-0.07700692	-0.9424579	-0.9208970	-0.9719617	-0.9687635
## 163	-0.9395994	-0.37562489	-0.9682130	-0.9518852	-0.9744807	-0.9857223
## 164	-0.9829561	-0.47237767	-0.9422919	-0.9610591	-0.9681988	-0.9704458
## 165	-0.9397794	-0.36478785	-0.9527573	-0.9693888	-0.9769794	-0.9651160
## 166	-0.9827614	-0.30506153	-0.9603944	-0.9580030	-0.9869078	-0.9671008
## 167	-0.9642829	-0.34119040	-0.9440588	-0.9563522	-0.9924071	-0.9900801
## 168	-0.9744126	-0.22453187	-0.9674198	-0.9713054	-0.9823337	-0.9941001
## 169	-0.9775700	-0.23056192	-0.9585753	-0.9570194	-0.9764274	-0.9883863
## 170	-0.9739797	-0.14154326	-0.9485667	-0.9533440	-0.9843704	-0.9775278
## 171	-0.9521863	-0.15036944	-0.9698107	-0.9518922	-0.9710001	-0.9840610
## 172	-0.9697332	-0.40077873	-0.9689822	-0.9643448	-0.9685633	-0.9786748
## 173	-0.9779585	-0.59086302	-0.9256576	-0.9769899	-0.9684763	-0.9711268
## 174	-0.9518433	-0.38559310	-0.9537140	-0.9638370	-0.9737492	-0.9853422
## 175	-0.9884958	-0.26097843	-0.9471017	-0.9709389	-0.9863790	-0.9897838
## 176	-0.9529063	-0.26431907	-0.9640817	-0.9604267	-0.9846180	-0.9960760
## 177	-0.9999134	-0.99665055	-0.9998655	-0.9999331	-0.9998741	-0.9997407
##	NA	NA	NA	NA	NA	NA
## 1	-0.9998066	-0.9983460	-0.9989612	-0.9996187	-0.9999893	-0.9999354
## 2	-0.9999845	-0.9999800	-0.9999900	-0.9998966	-0.9999945	-0.9999860
## 3	-0.9999428	-0.9999866	-0.9999933	-0.9999620	-0.9999893	-0.9999670
## 4	-0.9999541	-0.9999898	-0.9999883	-0.9999470	-0.9999908	-0.9999796
## 5	-0.9999737	-0.9999740	-0.9999720	-0.9999462	-0.9999934	-0.9999681
## 6	-0.9999921	-0.9999660	-0.9999886	-0.9999445	-0.9999900	-0.9999729

## 7	-0.9999453	-0.9999663	-0.9999877	-0.9999016	-0.9999910	-0.9999809
## 8	-0.9999351	-0.9999556	-0.9999421	-0.9998725	-0.9999896	-0.9999672
## 9	-0.9999442	-0.9999097	-0.9999023	-0.9999552	-0.9999892	-0.9999681
## 10	-0.9999540	-0.9999570	-0.9999759	-0.9998709	-0.9999874	-0.9999791
## 11	-0.9999217	-0.9998782	-0.9998851	-0.9998871	-0.9999905	-0.9999657
## 12	-0.9999887	-0.9999851	-1.0000000	-0.9999769	-0.9999947	-0.9999911
## 13	-0.9999968	-0.9999794	-0.9999995	-0.9999868	-0.9999972	-0.9999961
## 14	-0.9999821	-0.9999821	-0.9999914	-0.9999906	-0.9999964	-0.9999935
## 15	-0.9993666	-0.9975847	-0.9971434	-0.9978832	-0.9998991	-0.9997028
## 16	-0.9999207	-0.9995783	-0.9995160	-0.9992753	-0.9999717	-0.9999405
## 17	-0.9999217	-0.9998357	-0.9997942	-0.9997626	-0.9999882	-0.9999637
## 18	-0.9999853	-0.9999628	-0.9999569	-0.9999095	-0.9999923	-0.9999838
## 19	-0.9999983	-0.9999937	-0.9999991	-0.9999901	-0.9999980	-0.9999946
## 20	-0.9999962	-0.9999938	-0.9999990	-0.9999882	-0.9999995	-0.9999965
## 21	-0.9999917	-0.9999912	-0.9999999	-0.9999936	-0.9999971	-0.9999952
## 22	-0.9999853	-0.9999876	-0.9999999	-0.9999963	-0.9999959	-0.9999960
## 23	-0.9999886	-0.9999860	-0.9999946	-0.9999900	-0.9999972	-0.9999940
## 24	-0.9999929	-0.9999765	-0.9999998	-0.9999944	-0.9999956	-0.9999941
## 25	-0.9999930	-0.9999841	-0.9999999	-0.9999918	-0.9999949	-0.9999933
## 26	-0.9999820	-0.9999901	-0.9999954	-0.9999900	-0.9999957	-0.9999914
## 27	-0.9999784	-0.9999805	-0.9999999	-0.9999917	-0.9999940	-0.9999856
## 28	-0.9995424	-0.9994214	-0.9988530	-0.9995545	-0.9998481	-0.9997565
## 29	-0.9998570	-0.9996729	-0.9995285	-0.9995780	-0.9999756	-0.9999356
## 30	-0.9998772	-0.9997658	-0.9996561	-0.9996604	-0.9999839	-0.9999496
## 31	-0.9977298	-0.9972579	-0.9973146	-0.8502311	-0.9964007	-0.9984354
## 32	-0.9976879	-0.9963502	-0.9987632	-0.8441869	-0.9955598	-0.9982966
## 33	-0.9981039	-0.9962338	-0.9969440	-0.9937927	-0.9992712	-0.9991964
## 34	-0.9995819	-0.9985282	-0.9986480	-0.9997333	-0.9998829	-0.9998220
## 35	-0.9999294	-0.9999607	-0.9999693	-0.9999338	-0.9999711	-0.9999715
## 36	-0.9999602	-0.9999415	-0.9999559	-0.9999735	-0.9999834	-0.9999569
## 37	-0.9999639	-0.9999569	-0.9999922	-0.9999581	-0.9999837	-0.9999676
## 38	-0.9999725	-0.9999922	-0.9999964	-0.9999742	-0.9999785	-0.9999792
## 39	-0.9997176	-0.9995954	-0.9996330	-0.9995133	-0.9999569	-0.9998391
## 40	-0.9999179	-0.9998943	-0.9998874	-0.9999029	-0.9999796	-0.9999437
## 41	-0.9999696	-0.9999830	-0.9999968	-0.9998950	-0.9999867	-0.9999839
## 42	-0.9999514	-0.9999643	-0.9999965	-0.9999632	-0.9999848	-0.9999792
## 43	-0.9999593	-0.9999686	-0.9999982	-0.9999736	-0.9999885	-0.9999800
## 44	-0.9999870	-0.9999677	-0.9999781	-0.9999815	-0.9999889	-0.9999766
## 45	-0.9999837	-0.9999706	-0.9999953	-0.9999727	-0.9999891	-0.9999853
## 46	-0.9999676	-0.9999407	-0.9999718	-0.9999686	-0.9999881	-0.9999853
## 47	-0.9999705	-0.9999741	-0.9999932	-0.9999745	-0.9999922	-0.9999824
## 48	-0.9999846	-0.9999862	-0.9999978	-0.9999718	-0.9999942	-0.9999841
## 49	-0.9999776	-0.9999889	-0.9999884	-0.9999808	-0.9999908	-0.9999867
## 50	-0.9999584	-0.9999709	-0.9999697	-0.9999754	-0.9999920	-0.9999708
## 51	-0.9999718	-0.9999558	-0.9999401	-0.9999562	-0.9999918	-0.9999695
## 52	-0.9996734	-0.9998916	-0.9999278	-0.9974114	-0.9995483	-0.9997411
## 53	-0.9999743	-0.9999540	-0.9999675	-0.9999479	-0.9999957	-0.9999866
## 54	-0.9999766	-0.9999674	-0.9999862	-0.9999804	-0.9999973	-0.9999902
## 55	-0.9999877	-0.9999906	-0.9999999	-0.9999706	-0.9999977	-0.9999953
## 56	-0.9999878	-0.9999928	-0.9999995	-0.9999748	-0.9999966	-0.9999959

## 57	-0.9999876	-0.9999753	-0.9999983	-0.9999695	-0.9999969	-0.9999942
## 58	-0.9999887	-0.9999699	-0.9999912	-0.9999662	-0.9999964	-0.9999866
## 59	-0.9999768	-0.9999910	-0.9999943	-0.9999605	-0.9999977	-0.9999883
## 60	-0.9999873	-0.9999904	-0.9999977	-0.9999760	-0.9999987	-0.9999955
## 61	-0.9999894	-0.9999933	-0.9999976	-0.9999783	-0.9999974	-0.9999938
## 62	-0.9999834	-0.9999993	-0.9999990	-0.9999724	-0.9999969	-0.9999899
## 63	-0.9999750	-0.9999830	-0.9999889	-0.9999698	-0.9999974	-0.9999889
## 64	-0.9999896	-0.9999844	-0.9999986	-0.9999646	-0.9999959	-0.9999923
## 65	-0.9959687	-0.9991904	-0.9995381	-0.9964049	-0.9985914	-0.9982073
## 66	-0.9998853	-0.9998978	-0.9999554	-0.9997053	-0.9999472	-0.9999223
## 67	-0.9969661	-0.9973531	-0.9980481	-0.9749123	-0.9956159	-0.9986376
## 68	-0.9964954	-0.9978216	-0.9983487	-0.9629228	-0.9950928	-0.9985472
## 69	-0.9986226	-0.9987923	-0.9979458	-0.9967258	-0.9995041	-0.9990637
## 70	-0.9935911	-0.9776573	-0.9846957	-0.9745280	-0.9946881	-0.9943848
## 71	-0.9799323	-0.9736462	-0.9916103	-0.9583099	-0.9570565	-0.9895730
## 72	-0.9751646	-0.9742741	-0.9866525	-0.9702617	-0.9594441	-0.9883722
## 73	-0.9972503	-0.9957909	-0.9944107	-0.9888024	-0.9978408	-0.9987039
## 74	-0.9998353	-0.9997854	-0.9997358	-0.9998687	-0.9998406	-0.9999116
## 75	-0.9999453	-0.9998272	-0.9999298	-0.9999497	-0.9998750	-0.9999595
## 76	-0.9999554	-0.9999768	-0.9999839	-0.9999596	-0.9999839	-0.9999768
## 77	-0.9999537	-0.9999748	-0.9999903	-0.9999782	-0.9999850	-0.9999735
## 78	-0.9999699	-0.9999730	-0.9999916	-0.9999944	-0.9999833	-0.9999797
## 79	-0.9425768	-0.9178933	-0.8987908	-0.6461809	-0.8408698	-0.9684413
## 80	-0.9335242	-0.9687417	-0.9910100	-0.5648108	-0.8850822	-0.9589186
## 81	-0.8641118	-0.8929910	-0.9998735	-0.5426633	-0.8785715	-0.9284792
## 82	-0.6597892	-0.6204644	-0.6731501	-0.4961958	-0.7513637	-0.8348542
## 83	-0.7113733	-0.8723954	-0.9732509	-0.3749846	-0.7448782	-0.8786345
## 84	-0.8506517	-0.6697234	-0.7382913	-0.4751678	-0.8199966	-0.8700708
## 85	-0.8542356	-0.8820685	-0.9811635	-0.6077953	-0.8401406	-0.9170074
## 86	-0.6763200	-0.8021146	-0.9704230	-0.5664344	-0.8390699	-0.8830257
## 87	-0.9278666	-0.8880934	-0.8800862	-0.6371621	-0.9091999	-0.9295602
## 88	-0.8845502	-0.8129426	-0.8280181	-0.5590359	-0.9045500	-0.9092380
## 89	-0.7817720	-0.7474157	-0.8640064	-0.5729212	-0.9021861	-0.8832404
## 90	-0.7757628	-0.4949443	-0.5332762	-0.5868246	-0.8166878	-0.8646907
## 91	-0.8702624	-0.9618982	-0.9970570	-0.4663301	-0.8149096	-0.8719491
## 92	-0.8351541	-0.8009621	-0.8419521	-0.4653136	-0.8197319	-0.8530074
## 93	-0.9142777	-0.9298950	-0.9311530	-0.5643867	-0.8233437	-0.8454163
## 94	-0.8705098	-0.9531801	-0.9753006	-0.5467633	-0.7997755	-0.9099129
## 95	-0.8813743	-0.9062537	-0.9989796	-0.5473335	-0.7635986	-0.9297495
## 96	-0.7331888	-0.6508353	-0.5783917	-0.5646715	-0.7514641	-0.8258944
## 97	-0.7345387	-0.6549814	-0.6031929	-0.5133551	-0.7074694	-0.7762950
## 98	-0.8714403	-0.6990644	-0.8467410	-0.5179429	-0.7640345	-0.8823830
## 99	-0.7877910	-0.6854054	-0.8444750	-0.4774024	-0.7984846	-0.9368148
## 100	-0.8060983	-0.8956297	-0.8648932	-0.5019856	-0.8661986	-0.9378108
## 101	-0.8488444	-0.7270676	-0.8139481	-0.5931491	-0.8283020	-0.8993475
## 102	-0.6379109	-0.7496250	-0.8767864	-0.5455082	-0.7034720	-0.6664119
## 103	-0.7310158	-0.7330126	-0.9783981	-0.4907394	-0.7376500	-0.7547308
## 104	-0.8112101	-0.7478820	-0.9320188	-0.4447505	-0.7735403	-0.8764601
## 105	-0.7121619	-0.7487817	-0.8758103	-0.4936287	-0.8253967	-0.8532631
## 106	-0.8734803	-0.8758651	-0.9870476	-0.5570444	-0.8785246	-0.8846912

## 107	-0.7816597	-0.8023833	-0.8986338	-0.5000486	-0.8542269	-0.8765777
## 108	-0.7520486	-0.7926572	-0.9975681	-0.4740600	-0.8452362	-0.8898101
## 109	-0.8799726	-0.8806226	-0.9943673	-0.4717458	-0.8494139	-0.9084618
## 110	-0.8045207	-0.8311501	-0.8615884	-0.4696916	-0.7918371	-0.8853908
## 111	-0.8906573	-0.8138580	-0.7968672	-0.5506559	-0.7099220	-0.9242862
## 112	-0.7403445	-0.8869384	-0.9743133	-0.5329403	-0.7918095	-0.8646143
## 113	-0.8354039	-0.9025403	-0.9994515	-0.5428800	-0.8790952	-0.8897841
## 114	-0.6543757	-0.6177872	-0.5235234	-0.5659559	-0.8373905	-0.8181541
## 115	-0.8103030	-0.8157039	-0.9516007	-0.5072730	-0.8179932	-0.8738990
## 116	-0.6935109	-0.5227234	-0.5893109	-0.5460205	-0.8054398	-0.8297172
## 117	-0.8305474	-0.8766056	-0.9671812	-0.5897661	-0.8237482	-0.8948655
## 118	-0.8791046	-0.9170994	-0.9389930	-0.6034059	-0.8761256	-0.9023277
## 119	-0.7078233	-0.9172156	-0.9326275	-0.6086198	-0.8687372	-0.8648389
## 120	-0.8731440	-0.8238744	-0.8580756	-0.6005574	-0.8443057	-0.9350839
## 121	-0.9011748	-0.9306758	-0.9999649	-0.6223869	-0.8687819	-0.9430492
## 122	-0.8713783	-0.8344982	-0.8396744	-0.6100160	-0.8614742	-0.9244271
## 123	-0.7954311	-0.8424602	-0.7374403	-0.5559624	-0.8465050	-0.9222718
## 124	-0.7943069	-0.7359285	-0.8140483	-0.5384984	-0.8342033	-0.9140227
## 125	-0.7333702	-0.7568056	-0.7235310	-0.5853184	-0.8111020	-0.9100873
## 126	-0.7781954	-0.9202006	-0.9999142	-0.7939684	-0.8961155	-0.9017095
## 127	-0.7139568	-0.8596119	-0.9986451	-0.7158679	-0.7934417	-0.6054594
## 128	-0.2535981	-0.7987805	-0.9968503	-0.7223552	-0.7087712	-0.5217202
## 129	-0.6316778	-0.6483171	-0.9311486	-0.7090994	-0.8071406	-0.8206536
## 130	-0.8569376	-0.9010644	-0.9730506	-0.7216744	-0.8328091	-0.9258577
## 131	-0.7865576	-0.8937393	-0.9892437	-0.6612403	-0.7173850	-0.8992325
## 132	-0.6558532	-0.5317991	-0.7035582	-0.6293997	-0.7462939	-0.8649787
## 133	-0.6749072	-0.7673167	-0.9804134	-0.7461470	-0.8592247	-0.8563745
## 134	-0.7722171	-0.5299029	-0.8379350	-0.7799061	-0.8034091	-0.8664652
## 135	-0.5323953	-0.2870149	-0.5740253	-0.6378850	-0.6291913	-0.7276803
## 136	-0.7060392	-0.8011338	-0.9949571	-0.6011787	-0.7356466	-0.7407723
## 137	-0.5556833	-0.5487393	-0.5105263	-0.5711764	-0.6673359	-0.5854484
## 138	-0.7252574	-0.8689386	-0.9548976	-0.5133593	-0.7136870	-0.7313021
## 139	-0.5357027	-0.6438564	-0.5821292	-0.5265228	-0.6715657	-0.6308941
## 140	-0.6274470	-0.5419106	-0.9117822	-0.5257430	-0.7114442	-0.7443617
## 141	-0.3911906	-0.3312185	-0.3670563	-0.6608568	-0.8022236	-0.6702064
## 142	-0.8836912	-0.6376508	-0.8869542	-0.6561073	-0.8316085	-0.8850126
## 143	-0.8495302	-0.8367986	-0.9952592	-0.6379036	-0.8808184	-0.9081574
## 144	-0.7967032	-0.7650763	-0.9369069	-0.6366890	-0.8751217	-0.8658655
## 145	-0.6902012	-0.8841785	-0.9775558	-0.6303282	-0.7820839	-0.7664011
## 146	-0.4196999	-0.7215217	-0.7484231	-0.5428327	-0.7249035	-0.4422706
## 147	-0.6092427	-0.8032056	-0.8827694	-0.6283861	-0.8398210	-0.6380499
## 148	-0.9101399	-0.9675689	-0.9961882	-0.6746664	-0.7664686	-0.9209881
## 149	-0.8809356	-0.8954840	-0.9405966	-0.6967733	-0.7377094	-0.9121479
## 150	-0.9414800	-0.7624329	-0.9600257	-0.7006249	-0.8648275	-0.9572067
## 151	-0.9494747	-0.9713848	-0.9987254	-0.4665980	-0.8791604	-0.9776871
## 152	-0.9262925	-0.9420808	-0.9975069	-0.4660718	-0.9234505	-0.9697199
## 153	-0.9609164	-0.9610384	-0.9834381	-0.4506921	-0.9616155	-0.9773228
## 154	-0.9274934	-0.8927583	-0.8621837	-0.4229217	-0.9442274	-0.9630132
## 155	-0.8941641	-0.7532237	-0.7008494	-0.4513729	-0.8911480	-0.9427468
## 156	-0.8620870	-0.4976739	-0.3692976	-0.5080524	-0.9106078	-0.8890947

## 157	-0.9670757	-0.9506732	-0.9726789	-0.4704916	-0.9117517	-0.9787438
## 158	-0.9594277	-0.9240196	-0.9894627	-0.4464370	-0.8843637	-0.9856739
## 159	-0.9417375	-0.9674270	-0.9999620	-0.4635956	-0.9221432	-0.9813448
## 160	-0.9574160	-0.9655348	-0.9928758	-0.4618733	-0.9275779	-0.9836940
## 161	-0.9746124	-0.9812721	-0.9997714	-0.3422486	-0.9197352	-0.9832836
## 162	-0.9292444	-0.8850004	-0.8774557	-0.3410934	-0.9175052	-0.9603285
## 163	-0.9841165	-0.9654645	-0.9962552	-0.5589136	-0.9472606	-0.9852470
## 164	-0.9538478	-0.9286463	-0.9544051	-0.6072030	-0.9539428	-0.9667355
## 165	-0.9634434	-0.9272802	-0.9653152	-0.5415650	-0.9643934	-0.9644165
## 166	-0.9619563	-0.8960167	-0.8938861	-0.5063159	-0.9567452	-0.9657085
## 167	-0.9706047	-0.9703305	-0.9933483	-0.5200189	-0.9568650	-0.9859794
## 168	-0.9805951	-0.9885988	-0.9929800	-0.4566612	-0.9678070	-0.9912667
## 169	-0.9855795	-0.9869904	-0.9983911	-0.4549695	-0.9526533	-0.9876916
## 170	-0.9746823	-0.9380600	-0.9502624	-0.3885209	-0.9516183	-0.9767142
## 171	-0.9346920	-0.8810364	-0.8416190	-0.4082798	-0.9462138	-0.9737594
## 172	-0.9454859	-0.9027505	-0.9049087	-0.5763508	-0.9571272	-0.9716412
## 173	-0.9242812	-0.8662305	-0.8145654	-0.6761655	-0.9689318	-0.9612113
## 174	-0.9730775	-0.9829368	-0.9985478	-0.5561961	-0.9582215	-0.9826740
## 175	-0.9874074	-0.9826425	-0.9935070	-0.4679882	-0.9686882	-0.9891918
## 176	-0.9908187	-0.9724350	-0.9941734	-0.4812805	-0.9583199	-0.9949566
## 177	-0.9988893	-0.9986027	-0.9990396	-0.9976580	-0.9998996	-0.9995636
##	NA	NA	NA	NA	NA	NA
## 1	-0.9983875	-0.9996426	-0.9999727	-0.9999554	-0.9999763	-0.9999058
## 2	-0.9999817	-0.9999026	-0.9999917	-0.9999089	-0.9999594	-0.9999281
## 3	-0.9999877	-0.9999606	-0.9999858	-0.9998701	-0.9999346	-0.9999347
## 4	-0.9999878	-0.9999478	-0.9999884	-0.9998773	-0.9999685	-0.9999566
## 5	-0.9999696	-0.9999490	-0.9999816	-0.9998711	-0.9999554	-0.9999962
## 6	-0.9999712	-0.9999463	-0.9999799	-0.9998227	-0.9998868	-0.9999526
## 7	-0.9999710	-0.9999058	-0.9999882	-0.9997418	-0.9998353	-0.9999501
## 8	-0.9999437	-0.9998787	-0.9999805	-0.9996948	-0.9999082	-0.9999746
## 9	-0.9998942	-0.9999555	-0.9999801	-0.9998883	-0.9999321	-0.9999462
## 10	-0.9999594	-0.9998760	-0.9999851	-0.9998285	-0.9997467	-0.9998552
## 11	-0.9998646	-0.9998918	-0.9999847	-0.9998117	-0.9998026	-0.9998603
## 12	-0.9999896	-0.9999770	-0.9999945	-0.9999820	-0.9999706	-0.9999775
## 13	-0.9999853	-0.9999872	-0.9999976	-0.9999729	-0.9999924	-0.9999890
## 14	-0.9999837	-0.9999906	-0.9999954	-0.9999807	-0.9999854	-0.9999727
## 15	-0.9970647	-0.9979974	-0.9998392	-0.9958472	-0.9995052	-0.9993938
## 16	-0.9994939	-0.9993201	-0.9999481	-0.9975065	-0.9998118	-0.9998741
## 17	-0.9997954	-0.9997774	-0.9999730	-0.9995782	-0.9999266	-0.9999313
## 18	-0.9999552	-0.9999140	-0.9999884	-0.9997679	-0.9999531	-0.9999550
## 19	-0.9999952	-0.9999906	-0.9999972	-0.9999756	-0.9999761	-0.9999807
## 20	-0.9999952	-0.9999895	-0.9999988	-0.9999688	-0.9999825	-0.9999857
## 21	-0.9999938	-0.9999935	-0.9999966	-0.9999965	-0.9999830	-0.9999879
## 22	-0.9999912	-0.9999956	-0.9999962	-0.9999933	-0.9999841	-0.9999859
## 23	-0.9999879	-0.9999902	-0.9999966	-0.9999712	-0.9999728	-0.9999886
## 24	-0.9999834	-0.9999938	-0.9999952	-0.9999794	-0.9999806	-0.9999868
## 25	-0.9999888	-0.9999914	-0.9999928	-0.9999640	-0.9999778	-0.9999774
## 26	-0.9999911	-0.9999900	-0.9999931	-0.9999730	-0.9999825	-0.9999820
## 27	-0.9999863	-0.9999905	-0.9999918	-0.9999871	-0.9999886	-0.9999745
## 28	-0.9990964	-0.9995332	-0.9998046	-0.9967857	-0.9985389	-0.9991324

## 29	-0.9995658	-0.9995996	-0.9999638	-0.9993680	-0.9999489	-0.9999506
## 30	-0.9996864	-0.9996800	-0.9999699	-0.9992994	-0.9999403	-0.9999328
## 31	-0.9969093	-0.8592287	-0.9989613	-0.9045624	-0.9908980	-0.9942520
## 32	-0.9968991	-0.8532321	-0.9986894	-0.8738427	-0.9941635	-0.9951640
## 33	-0.9960290	-0.9939310	-0.9994176	-0.9589706	-0.9974524	-0.9987555
## 34	-0.9983798	-0.9997145	-0.9998378	-0.9996516	-0.9999555	-0.9999887
## 35	-0.9999591	-0.9999292	-0.9999666	-0.9996326	-0.9999649	-0.9999754
## 36	-0.9999398	-0.9999711	-0.9999690	-0.9998599	-0.9999764	-0.9999454
## 37	-0.9999664	-0.9999567	-0.9999731	-0.9999265	-0.9999849	-0.9999623
## 38	-0.9999930	-0.9999682	-0.9999806	-0.9999857	-0.9999745	-0.9999762
## 39	-0.9995567	-0.9995373	-0.9998969	-0.9870564	-0.9983238	-0.9986913
## 40	-0.9998770	-0.9999057	-0.9999544	-0.9864356	-0.9981406	-0.9982933
## 41	-0.9999867	-0.9998983	-0.9999850	-0.9947160	-0.9995012	-0.9995635
## 42	-0.9999735	-0.9999619	-0.9999772	-0.9995892	-0.9999567	-0.9999553
## 43	-0.9999772	-0.9999726	-0.9999822	-0.9997537	-0.9999595	-0.9999594
## 44	-0.9999678	-0.9999799	-0.9999819	-0.9998595	-0.9999676	-0.9999842
## 45	-0.9999774	-0.9999713	-0.9999871	-0.9998177	-0.9999727	-0.9999577
## 46	-0.9999462	-0.9999667	-0.9999885	-0.9998902	-0.9999781	-0.9999655
## 47	-0.9999789	-0.9999744	-0.9999869	-0.9998832	-0.9999817	-0.9999819
## 48	-0.9999894	-0.9999733	-0.9999861	-0.9999442	-0.9999765	-0.9999535
## 49	-0.9999872	-0.9999799	-0.9999867	-0.9998997	-0.9999845	-0.9999429
## 50	-0.9999664	-0.9999752	-0.9999835	-0.9998955	-0.9999728	-0.9999721
## 51	-0.9999430	-0.9999588	-0.9999752	-0.9998908	-0.9999664	-0.9999753
## 52	-0.9998926	-0.9974555	-0.9994767	-0.9814205	-0.9991140	-0.9980101
## 53	-0.9999536	-0.9999514	-0.9999890	-0.9938730	-0.9993036	-0.9992842
## 54	-0.9999711	-0.9999820	-0.9999921	-0.9984212	-0.9997796	-0.9997735
## 55	-0.9999934	-0.9999728	-0.9999949	-0.9999140	-0.9999282	-0.9999756
## 56	-0.9999948	-0.9999762	-0.9999953	-0.9999668	-0.9999676	-0.9999910
## 57	-0.9999819	-0.9999710	-0.9999965	-0.9999740	-0.9999643	-0.9999707
## 58	-0.9999751	-0.9999681	-0.9999920	-0.9998483	-0.9999604	-0.9999756
## 59	-0.9999913	-0.9999635	-0.9999929	-0.9999695	-0.9999778	-0.9999847
## 60	-0.9999923	-0.9999781	-0.9999967	-0.9999595	-0.9999802	-0.9999821
## 61	-0.9999942	-0.9999798	-0.9999945	-0.9999658	-0.9999821	-0.9999754
## 62	-0.9999991	-0.9999739	-0.9999943	-0.9999719	-0.9999781	-0.9999833
## 63	-0.9999832	-0.9999713	-0.9999962	-0.9999649	-0.9999776	-0.9999761
## 64	-0.9999885	-0.9999669	-0.9999915	-0.9999533	-0.9999806	-0.9999812
## 65	-0.9992309	-0.9964308	-0.9970240	-0.9914952	-0.9992975	-0.9984294
## 66	-0.9999089	-0.9997170	-0.9998917	-0.9898676	-0.9992213	-0.9988343
## 67	-0.9972940	-0.9750644	-0.9965962	-0.9059924	-0.9844223	-0.9896388
## 68	-0.9977536	-0.9638431	-0.9956954	-0.9202147	-0.9831989	-0.9897549
## 69	-0.9982611	-0.9968012	-0.9992402	-0.9978337	-0.9985704	-0.9980598
## 70	-0.9776665	-0.9749234	-0.9918597	-0.9291911	-0.9953257	-0.9868371
## 71	-0.9778440	-0.9427891	-0.9792629	-0.9231037	-0.9534232	-0.9764061
## 72	-0.9761368	-0.9537823	-0.9854141	-0.9819100	-0.9513770	-0.9775489
## 73	-0.9946200	-0.9886015	-0.9990758	-0.9920494	-0.9992639	-0.9995044
## 74	-0.9997348	-0.9998167	-0.9998745	-0.9992084	-0.9999451	-0.9999490
## 75	-0.9998481	-0.9998998	-0.9999379	-0.9994001	-0.9999599	-0.9998953
## 76	-0.9999767	-0.9999576	-0.9999788	-0.9997449	-0.9999673	-0.9999763
## 77	-0.9999782	-0.9999752	-0.9999794	-0.9999203	-0.9999895	-0.9999819
## 78	-0.9999774	-0.9999884	-0.9999862	-0.9999704	-0.9999783	-0.9999845

## 79	-0.8984405	-0.5984854	-0.9473267	-0.8987673	-0.9296205	-0.8603515
## 80	-0.9741372	-0.5517886	-0.9142529	-0.8719274	-0.9183863	-0.8655033
## 81	-0.9247436	-0.5327536	-0.8807784	-0.8363359	-0.9182979	-0.8698131
## 82	-0.5916396	-0.4300746	-0.8228249	-0.8014931	-0.9036841	-0.7909472
## 83	-0.8987332	-0.3172475	-0.8216783	-0.7947344	-0.9510694	-0.8388775
## 84	-0.6544853	-0.4524482	-0.8012996	-0.8274204	-0.9543397	-0.8923152
## 85	-0.9089599	-0.5816356	-0.8370690	-0.8069344	-0.9227778	-0.9137674
## 86	-0.8481172	-0.5400249	-0.8394991	-0.8098256	-0.8983524	-0.8664715
## 87	-0.8693928	-0.6294946	-0.9141406	-0.8697284	-0.9129746	-0.9564242
## 88	-0.7940164	-0.5609492	-0.8764705	-0.8432783	-0.9341017	-0.8863253
## 89	-0.7635621	-0.5696057	-0.8831477	-0.8282326	-0.9335595	-0.8723920
## 90	-0.4428157	-0.5578964	-0.7824442	-0.8112027	-0.9305792	-0.8221308
## 91	-0.9719483	-0.4408519	-0.8057123	-0.8041375	-0.9252862	-0.8269362
## 92	-0.7916352	-0.4445919	-0.7889342	-0.8325002	-0.9080307	-0.7843385
## 93	-0.9208987	-0.5387264	-0.7850460	-0.8221487	-0.8516857	-0.7888799
## 94	-0.9563935	-0.4992122	-0.8595343	-0.8033670	-0.8546394	-0.8148767
## 95	-0.9336767	-0.4759717	-0.8912123	-0.8101940	-0.9191271	-0.8267859
## 96	-0.5719200	-0.5033911	-0.7723743	-0.8223894	-0.8380501	-0.9073584
## 97	-0.5855812	-0.4203807	-0.8195392	-0.8192559	-0.7979080	-0.8348455
## 98	-0.7221009	-0.4503888	-0.8690989	-0.8388013	-0.7981270	-0.8848049
## 99	-0.7115200	-0.4300662	-0.8880817	-0.7889804	-0.9060783	-0.7863269
## 100	-0.8681052	-0.4836603	-0.9081404	-0.8245128	-0.9141604	-0.7600080
## 101	-0.7275698	-0.5696270	-0.7938453	-0.8363244	-0.9739617	-0.7873862
## 102	-0.7706528	-0.4787957	-0.6346421	-0.8137160	-0.9476948	-0.7335848
## 103	-0.8030110	-0.4429908	-0.6747374	-0.7851556	-0.9640975	-0.8561019
## 104	-0.7933625	-0.3990202	-0.8097937	-0.8221976	-0.9141455	-0.9093458
## 105	-0.7696372	-0.4714186	-0.8006557	-0.8431969	-0.8935829	-0.9120795
## 106	-0.9071502	-0.5491945	-0.8517423	-0.8474078	-0.9199196	-0.9111392
## 107	-0.8171966	-0.4915325	-0.8112067	-0.8316063	-0.9008622	-0.9029955
## 108	-0.8532340	-0.4499906	-0.8782240	-0.8303016	-0.9043654	-0.7850100
## 109	-0.9136655	-0.4516280	-0.8760209	-0.8276139	-0.8982040	-0.8115051
## 110	-0.8213594	-0.4285849	-0.8272834	-0.8186287	-0.8703875	-0.8617219
## 111	-0.7811607	-0.4597330	-0.8489349	-0.8185398	-0.8413913	-0.9292187
## 112	-0.9094138	-0.5030214	-0.7434620	-0.7980077	-0.9311613	-0.8798795
## 113	-0.9312716	-0.5379654	-0.8453474	-0.7923581	-0.9579349	-0.9054206
## 114	-0.5249184	-0.5488987	-0.7691357	-0.7525149	-0.9510468	-0.9162255
## 115	-0.8495106	-0.4733036	-0.8414064	-0.7902759	-0.9382464	-0.9493656
## 116	-0.4866200	-0.5011663	-0.8356906	-0.8232958	-0.9189211	-0.9165242
## 117	-0.8990616	-0.5580752	-0.8222674	-0.8088802	-0.8812948	-0.8801681
## 118	-0.9153039	-0.5970858	-0.8273776	-0.8212451	-0.8844224	-0.9211192
## 119	-0.9126271	-0.5878104	-0.8663160	-0.8146667	-0.9241194	-0.9608893
## 120	-0.8147241	-0.5640629	-0.9065741	-0.8299560	-0.8984761	-0.9339591
## 121	-0.9512665	-0.5968492	-0.9093411	-0.8364860	-0.9082450	-0.9191562
## 122	-0.8142160	-0.5862350	-0.8807796	-0.7670581	-0.9309332	-0.9382575
## 123	-0.7755090	-0.5297037	-0.8735237	-0.7533782	-0.8415301	-0.9119953
## 124	-0.7338403	-0.5010801	-0.9008579	-0.8038880	-0.8657341	-0.9019362
## 125	-0.7092868	-0.5335563	-0.8952915	-0.8326041	-0.8526061	-0.9080879
## 126	-0.9438830	-0.7711203	-0.8917401	-0.8304181	-0.9211648	-0.8642936
## 127	-0.9007538	-0.6616836	-0.7210937	-0.8044815	-0.9182812	-0.8172076
## 128	-0.8572262	-0.6426657	-0.6041162	-0.7888708	-0.8888866	-0.7603439

## 129	-0.7230152	-0.6611232	-0.7950545	-0.7679050	-0.9010803	-0.7988732
## 130	-0.9187937	-0.6781333	-0.8666291	-0.7139895	-0.9033119	-0.7482110
## 131	-0.9206631	-0.5776600	-0.7849029	-0.6703234	-0.7719321	-0.6059528
## 132	-0.5425063	-0.5589096	-0.7940349	-0.7023198	-0.8058021	-0.6544631
## 133	-0.8279919	-0.7141128	-0.8463671	-0.7232973	-0.8936464	-0.8052847
## 134	-0.5994050	-0.7314804	-0.7772797	-0.7810310	-0.8593858	-0.7628795
## 135	-0.3143496	-0.5456613	-0.5591587	-0.7532766	-0.5921823	-0.6623640
## 136	-0.8580596	-0.5488869	-0.6487339	-0.7665952	-0.6239378	-0.6181404
## 137	-0.4707621	-0.4919473	-0.5704837	-0.7111321	-0.6830277	-0.5713302
## 138	-0.8883506	-0.4658553	-0.5977338	-0.5566092	-0.5954847	-0.5388815
## 139	-0.5686352	-0.4982565	-0.3607697	-0.6147949	-0.4264310	-0.6555648
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## 141	-0.2557255	-0.6156617	-0.7387789	-0.7429399	-0.7572717	-0.8244682
## 142	-0.6963680	-0.6206599	-0.8341131	-0.6845249	-0.7077489	-0.7924174
## 143	-0.8832543	-0.6181690	-0.8948074	-0.7325922	-0.8350253	-0.7088058
## 144	-0.8075642	-0.6155742	-0.8743705	-0.7386018	-0.8453766	-0.6798554
## 145	-0.9088793	-0.5786642	-0.7606431	-0.6730641	-0.7895414	-0.6789102
## 146	-0.6952775	-0.4914154	-0.5442377	-0.6661942	-0.8397144	-0.6796397
## 147	-0.8108998	-0.6076009	-0.7151116	-0.7126708	-0.7883658	-0.8599087
## 148	-0.9755570	-0.5952411	-0.8904865	-0.7111477	-0.8837456	-0.8575037
## 149	-0.9008084	-0.6111897	-0.8375873	-0.7910973	-0.8941813	-0.7438734
## 150	-0.8157249	-0.6696470	-0.9029767	-0.7619489	-0.8696143	-0.6903410
## 151	-0.9793381	-0.4453355	-0.9802581	-0.9151178	-0.9649525	-0.9599388
## 152	-0.9582164	-0.4697396	-0.9672669	-0.9177052	-0.9741967	-0.9530106
## 153	-0.9654424	-0.4739067	-0.9753756	-0.8488502	-0.9351822	-0.9675907
## 154	-0.8649131	-0.4417785	-0.9581833	-0.8369752	-0.8898615	-0.9340972
## 155	-0.6969407	-0.4404090	-0.9543248	-0.8934430	-0.9082033	-0.9028540
## 156	-0.3736749	-0.5127382	-0.8897758	-0.8802950	-0.9285397	-0.9450962
## 157	-0.9534957	-0.4716428	-0.9513734	-0.9044080	-0.9384502	-0.9842213
## 158	-0.9420378	-0.4309489	-0.9746287	-0.9278000	-0.9581346	-0.9484730
## 159	-0.9770926	-0.4670200	-0.9696808	-0.9520101	-0.9393172	-0.9439459
## 160	-0.9726921	-0.4658261	-0.9821463	-0.9452015	-0.9485583	-0.9337235
## 161	-0.9867397	-0.3527851	-0.9720000	-0.8028773	-0.8752802	-0.9304403
## 162	-0.8660792	-0.3502943	-0.9661389	-0.8192224	-0.8979397	-0.9267033
## 163	-0.9741071	-0.5673991	-0.9758790	-0.9115821	-0.9647448	-0.9586392
## 164	-0.9300973	-0.6166375	-0.9652740	-0.9096399	-0.9388316	-0.9354725
## 165	-0.9338650	-0.5597085	-0.9712542	-0.9467588	-0.9586673	-0.9164703
## 166	-0.8809410	-0.5215124	-0.9792437	-0.9392658	-0.9575517	-0.9368134
## 167	-0.9762670	-0.5334397	-0.9898026	-0.9541369	-0.9730039	-0.9717223
## 168	-0.9889457	-0.4818117	-0.9837660	-0.9544220	-0.9318069	-0.9532730
## 169	-0.9901602	-0.4733734	-0.9781329	-0.9492895	-0.9395698	-0.9078037
## 170	-0.9349176	-0.4099207	-0.9807574	-0.8630344	-0.9213111	-0.8986984
## 171	-0.8477639	-0.4275655	-0.9696170	-0.8640507	-0.9026769	-0.9225403
## 172	-0.8904498	-0.5895762	-0.9670911	-0.9233687	-0.9337137	-0.9519359
## 173	-0.8256354	-0.6883155	-0.9637533	-0.9158187	-0.9376204	-0.9551270
## 174	-0.9873794	-0.5706220	-0.9745132	-0.9424853	-0.8838666	-0.9435438
## 175	-0.9849882	-0.4921506	-0.9862054	-0.9480931	-0.9022827	-0.9374665
## 176	-0.9781035	-0.4994366	-0.9866683	-0.9520745	-0.9305616	-0.8987011
## 177	-0.9986019	-0.9977944	-0.9997674	-0.9949033	-0.9995382	-0.9995193
##	NA	NA	NA	NA	NA	NA

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## 2	-0.9999663	-0.9999855	-0.9999264	-0.9999615	-0.9999831	-0.9999017
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## 4	-0.9999556	-0.9999493	-0.9998805	-0.9998793	-0.9999495	-0.9998747
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## 12	-0.9999775	-0.9999724	-0.9999425	-0.9999491	-0.9999902	-0.9999751
## 13	-0.9999735	-0.9999900	-0.9999732	-0.9999698	-0.9999988	-0.9999737
## 14	-0.9999739	-0.9999815	-0.9999655	-0.9999817	-0.9999994	-0.9999787
## 15	-0.9994278	-0.9986894	-0.9977241	-0.9940424	-0.9932327	-0.9958853
## 16	-0.9998085	-0.9997601	-0.9993358	-0.9987990	-0.9983045	-0.9975666
## 17	-0.9999222	-0.9998676	-0.9996894	-0.9991931	-0.9992538	-0.9995761
## 18	-0.9999652	-0.9998955	-0.9998451	-0.9998570	-0.9998632	-0.9997655
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## 20	-0.9999821	-0.9999701	-0.9999753	-0.9999824	-0.9999994	-0.9999665
## 21	-0.9999581	-0.9999638	-0.9999621	-0.9998835	-0.9999978	-0.9999930
## 22	-0.9999553	-0.9999799	-0.9999442	-0.9998593	-0.9999959	-0.9999903
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## 24	-0.9999875	-0.9999788	-0.9999085	-0.9996879	-0.9999299	-0.9999759
## 25	-0.9999805	-0.9999465	-0.9998779	-0.9996629	-0.9999988	-0.9999603
## 26	-0.9999576	-0.9999666	-0.9998576	-0.9997979	-0.9999801	-0.9999704
## 27	-0.9999492	-0.9999743	-0.9999362	-0.9998971	-0.9999956	-0.9999859
## 28	-0.9994370	-0.9980935	-0.9967894	-0.9930294	-0.9913766	-0.9964545
## 29	-0.9999792	-0.9999168	-0.9998153	-0.9998594	-0.9998097	-0.9993835
## 30	-0.9999244	-0.9998365	-0.9995486	-0.9990954	-0.9989413	-0.9993155
## 31	-0.9977746	-0.9977335	-0.9925615	-0.9874508	-0.9856532	-0.9061542
## 32	-0.9986413	-0.9988830	-0.9983910	-0.9972619	-0.9995975	-0.8780215
## 33	-0.9992158	-0.9957683	-0.9899752	-0.9854215	-0.9839443	-0.9601134
## 34	-0.9999653	-0.9999190	-0.9998169	-0.9998772	-0.9998436	-0.9996556
## 35	-0.9999627	-0.9998916	-0.9997759	-0.9996733	-0.9996295	-0.9996407
## 36	-0.9999613	-0.9999662	-0.9999132	-0.9997269	-0.9997705	-0.9998608
## 37	-0.9999345	-0.9999284	-0.9999240	-0.9999322	-0.9999182	-0.9999270
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## 39	-0.9981099	-0.9969545	-0.9937156	-0.9840317	-0.9820855	-0.9871261
## 40	-0.9982136	-0.9965451	-0.9925029	-0.9829583	-0.9792000	-0.9864741
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## 42	-0.9999703	-0.9999483	-0.9998020	-0.9996771	-0.9996839	-0.9995966
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## 44	-0.9999820	-0.9999687	-0.9999327	-0.9999038	-0.9999935	-0.9998575
## 45	-0.9999519	-0.9999434	-0.9998754	-0.9998450	-0.9998802	-0.9998194
## 46	-0.9999883	-0.9999655	-0.9999076	-0.9999305	-0.9999939	-0.9998901
## 47	-0.9999647	-0.9999837	-0.9998623	-0.9999195	-0.9999408	-0.9998847
## 48	-0.9999564	-0.9999833	-0.9999140	-0.9999570	-0.9999629	-0.9999411
## 49	-0.9999551	-0.9999449	-0.9998718	-0.9997893	-0.9998514	-0.9999014
## 50	-0.9999653	-0.9999478	-0.9998905	-0.9999365	-0.9999913	-0.9998935

## 51	-0.9999851	-0.9999524	-0.9999492	-0.9999540	-0.9999974	-0.9998868
## 52	-0.9983556	-0.9969264	-0.9930005	-0.9832801	-0.9806387	-0.9820288
## 53	-0.9992557	-0.9985656	-0.9971985	-0.9932589	-0.9916475	-0.9939395
## 54	-0.9997854	-0.9995390	-0.9990275	-0.9982025	-0.9977233	-0.9984261
## 55	-0.9999438	-0.9999607	-0.9999196	-0.9999238	-0.9999472	-0.9998961
## 56	-0.9999754	-0.9999651	-0.9999227	-0.9998081	-0.9998984	-0.9999596
## 57	-0.9999728	-0.9999506	-0.9998897	-0.9998398	-0.9998546	-0.9999653
## 58	-0.9999754	-0.9999811	-0.9999808	-0.9999046	-0.9999623	-0.9998444
## 59	-0.9999715	-0.9999749	-0.9999438	-0.9998974	-0.9999642	-0.9999655
## 60	-0.9999546	-0.9999536	-0.9999393	-0.9999203	-0.9999965	-0.9999569
## 61	-0.9999680	-0.9999341	-0.9999425	-0.9998910	-0.9999714	-0.9999634
## 62	-0.9999818	-0.9999649	-0.9999630	-0.9999208	-0.9999984	-0.9999679
## 63	-0.9999871	-0.9999678	-0.9999796	-0.9999398	-0.9999733	-0.9999611
## 64	-0.9999710	-0.9999541	-0.9999502	-0.9999330	-0.9999974	-0.9999511
## 65	-0.9975022	-0.9988457	-0.9982529	-0.9994662	-0.9997352	-0.9916752
## 66	-0.9989735	-0.9981442	-0.9964309	-0.9918386	-0.9895284	-0.9901013
## 67	-0.9928722	-0.9989335	-0.9934206	-0.9944138	-0.9999579	-0.9053455
## 68	-0.9919209	-0.9988255	-0.9925266	-0.9950767	-0.9999983	-0.9184668
## 69	-0.9978639	-0.9980628	-0.9951325	-0.9894936	-0.9897493	-0.9974622
## 70	-0.9884136	-0.9889518	-0.9798353	-0.9584193	-0.9442768	-0.9310690
## 71	-0.9797410	-0.9923487	-0.9835738	-0.9831953	-0.9948778	-0.9112413
## 72	-0.9791829	-0.9770977	-0.9711959	-0.9423013	-0.9496752	-0.9665038
## 73	-0.9991357	-0.9993788	-0.9996731	-0.9988617	-0.9994260	-0.9921912
## 74	-0.9999393	-0.9998751	-0.9998342	-0.9996715	-0.9996835	-0.9992304
## 75	-0.9999299	-0.9998860	-0.9997877	-0.9995937	-0.9996310	-0.9994178
## 76	-0.9999497	-0.9999347	-0.9998646	-0.9998809	-0.9998661	-0.9997484
## 77	-0.9999792	-0.9999655	-0.9999473	-0.9998323	-0.9999112	-0.9999226
## 78	-0.9999931	-0.9999825	-0.9999562	-0.9998972	-0.9999846	-0.9999666
## 79	-0.9035637	-0.8100800	-0.9367914	-0.9539771	-0.9996840	-0.8801145
## 80	-0.8522365	-0.8769156	-0.8423601	-0.9668481	-0.9996914	-0.8508160
## 81	-0.8659585	-0.8262175	-0.7872550	-0.7961475	-0.8774772	-0.8169248
## 82	-0.8574828	-0.8094675	-0.8192789	-0.8356197	-0.9041124	-0.7788803
## 83	-0.9108887	-0.9237774	-0.8761658	-0.8879012	-0.9240587	-0.7883230
## 84	-0.9432036	-0.9555801	-0.9146418	-0.9293313	-0.9087041	-0.8205157
## 85	-0.8585586	-0.9324118	-0.9490413	-0.9608041	-0.9995661	-0.7904530
## 86	-0.8136289	-0.8763064	-0.8992244	-0.9227083	-0.9940987	-0.7850218
## 87	-0.9569519	-0.9458685	-0.9122920	-0.8959637	-0.9084416	-0.8469110
## 88	-0.9062551	-0.8829211	-0.9124228	-0.9623903	-0.9942131	-0.8288236
## 89	-0.9046870	-0.8443278	-0.8475240	-0.8049663	-0.9458470	-0.8143276
## 90	-0.9138958	-0.8801819	-0.8640413	-0.8440334	-0.9049453	-0.7971271
## 91	-0.9527309	-0.8682182	-0.9001814	-0.9143902	-0.9988153	-0.7886323
## 92	-0.9461383	-0.8383778	-0.7340769	-0.6310618	-0.6971106	-0.8098363
## 93	-0.8715446	-0.8500034	-0.9141558	-0.8576904	-0.9996868	-0.7811139
## 94	-0.8658505	-0.8335324	-0.8329712	-0.9099471	-0.9754404	-0.7642345
## 95	-0.8907444	-0.8579478	-0.9062585	-0.8707158	-0.9854750	-0.7923313
## 96	-0.8370119	-0.8460297	-0.7958507	-0.6902344	-0.6623374	-0.7767753
## 97	-0.9093574	-0.9392481	-0.8991368	-0.8665044	-0.9166219	-0.7603476
## 98	-0.8874466	-0.9258035	-0.8846226	-0.6779709	-0.7125519	-0.7790163
## 99	-0.8779710	-0.9010497	-0.8692013	-0.9276937	-0.9785708	-0.7677778
## 100	-0.8802359	-0.8766181	-0.8228294	-0.8868099	-0.9158643	-0.8042904

## 101	-0.8648504	-0.8931027	-0.8731587	-0.9261371	-0.9777674	-0.8355597
## 102	-0.8704032	-0.7603681	-0.7800712	-0.8813495	-0.9628947	-0.8052515
## 103	-0.9042777	-0.8393427	-0.8464145	-0.9216733	-0.9977318	-0.7835737
## 104	-0.9436233	-0.9691581	-0.9597251	-0.9749874	-0.9958879	-0.8020827
## 105	-0.9436057	-0.9512048	-0.9238825	-0.9351672	-0.9278714	-0.8151735
## 106	-0.9368019	-0.9198761	-0.9317594	-0.8740216	-0.9943792	-0.8280018
## 107	-0.8962996	-0.7405147	-0.8563580	-0.9150820	-0.9936477	-0.8065846
## 108	-0.9012680	-0.7050558	-0.8308018	-0.9434507	-0.9940157	-0.8065168
## 109	-0.9347344	-0.8416268	-0.8334205	-0.8891307	-0.9779750	-0.8018958
## 110	-0.9279097	-0.9503833	-0.8858763	-0.7854782	-0.8742232	-0.7840296
## 111	-0.9151577	-0.9143397	-0.9270165	-0.9313770	-0.9309458	-0.7742320
## 112	-0.8860127	-0.9186696	-0.8940348	-0.8569838	-0.9688403	-0.7847684
## 113	-0.9640227	-0.9784277	-0.8342668	-0.8288512	-0.9363757	-0.7883619
## 114	-0.9638608	-0.9610016	-0.9154845	-0.9121678	-0.9387193	-0.7481479
## 115	-0.9564742	-0.9479927	-0.9563272	-0.9251202	-0.9991426	-0.7797857
## 116	-0.9171497	-0.9198635	-0.8708400	-0.8889514	-0.9769329	-0.8047273
## 117	-0.8842182	-0.8901472	-0.8528781	-0.9038832	-0.9848804	-0.7784085
## 118	-0.8845377	-0.8847077	-0.9153448	-0.9408214	-0.9996035	-0.7912201
## 119	-0.9342936	-0.9425015	-0.9342668	-0.7783539	-0.9269220	-0.7982589
## 120	-0.9178556	-0.9630530	-0.9410096	-0.9153441	-0.9768439	-0.8042152
## 121	-0.9004081	-0.9470817	-0.8819470	-0.6886932	-0.7468174	-0.8137002
## 122	-0.8710524	-0.8781323	-0.8231627	-0.7487516	-0.7882095	-0.7552468
## 123	-0.8871358	-0.8830978	-0.8565307	-0.8081030	-0.7661048	-0.7122841
## 124	-0.9518988	-0.9299132	-0.8995081	-0.8369968	-0.8011450	-0.7684465
## 125	-0.9571478	-0.9512104	-0.9419346	-0.9179426	-0.9280095	-0.7913694
## 126	-0.7972466	-0.7418103	-0.7058462	-0.8912422	-0.9662732	-0.8122550
## 127	-0.9562418	-0.9568050	-0.9089670	-0.8995871	-0.9674856	-0.7866131
## 128	-0.8977399	-0.9260487	-0.8825392	-0.9443111	-0.9965162	-0.7619148
## 129	-0.8928109	-0.8659049	-0.8679189	-0.9068007	-0.9954925	-0.7460525
## 130	-0.8939572	-0.9012975	-0.9319231	-0.9457365	-0.9998983	-0.6955051
## 131	-0.8901076	-0.9568645	-0.8211208	-0.8450039	-0.9787321	-0.6099527
## 132	-0.8059615	-0.9235164	-0.8360140	-0.8465550	-0.9919352	-0.6517395
## 133	-0.8139587	-0.8621486	-0.8860695	-0.9529123	-0.9962891	-0.7011228
## 134	-0.9551979	-0.9274223	-0.8486789	-0.9099089	-0.9806319	-0.7445740
## 135	-0.9022021	-0.9581310	-0.9188103	-0.8685014	-0.9857624	-0.6286626
## 136	-0.8833369	-0.9154362	-0.9108686	-0.9137283	-0.9736455	-0.6519711
## 137	-0.9094460	-0.8580291	-0.8492557	-0.9604191	-0.9843803	-0.6189973
## 138	-0.7732788	-0.8187721	-0.7931315	-0.8809514	-0.9521028	-0.4426605
## 139	-0.7502261	-0.6799860	-0.8163482	-0.7755628	-0.8491776	-0.4413896
## 140	-0.9320783	-0.9415844	-0.8926674	-0.9486116	-0.9920907	-0.6564549
## 141	-0.9452674	-0.9166354	-0.9170625	-0.9456064	-0.9792183	-0.6741289
## 142	-0.9280225	-0.9552422	-0.8521696	-0.9195557	-0.9590898	-0.6019643
## 143	-0.9032887	-0.9370403	-0.8713633	-0.7793491	-0.8006153	-0.6903295
## 144	-0.9263881	-0.9262683	-0.8329059	-0.8093901	-0.8648980	-0.6995144
## 145	-0.6948603	-0.6658295	-0.5670678	-0.5277129	-0.3776366	-0.6184589
## 146	-0.8561201	-0.8697211	-0.8786172	-0.9134602	-0.9959831	-0.6287295
## 147	-0.9350377	-0.9074638	-0.7223493	-0.8369767	-0.7975214	-0.6557466
## 148	-0.9497844	-0.9633507	-0.8964991	-0.9116628	-0.9007293	-0.6862473
## 149	-0.8900306	-0.9448208	-0.9257617	-0.9463097	-0.9897859	-0.7658066
## 150	-0.8661360	-0.9322685	-0.8799845	-0.9230429	-0.9998848	-0.7298457

## 151	-0.9678544	-0.9919823	-0.9791463	-0.9976038	-0.9986559	-0.9075055
## 152	-0.9683119	-0.9448571	-0.9108933	-0.8723472	-0.8779430	-0.9130637
## 153	-0.9899012	-0.9837059	-0.9717255	-0.9652650	-0.9884371	-0.8344866
## 154	-0.9742003	-0.9540071	-0.9233141	-0.8696001	-0.8646637	-0.8080076
## 155	-0.9762457	-0.9819462	-0.9727460	-0.9750221	-0.9855668	-0.8678748
## 156	-0.9796743	-0.9902173	-0.9738699	-0.9556218	-0.9656640	-0.8621780
## 157	-0.9622525	-0.9798085	-0.9790399	-0.9791408	-0.9995322	-0.8884387
## 158	-0.9705560	-0.9791281	-0.9716762	-0.9597145	-0.9834324	-0.9172875
## 159	-0.9853141	-0.9846831	-0.9817481	-0.9897838	-0.9999255	-0.9340175
## 160	-0.9723482	-0.9858092	-0.9787332	-0.9693179	-0.9838707	-0.9306353
## 161	-0.9628813	-0.9790403	-0.9703531	-0.9874163	-0.9982410	-0.7706827
## 162	-0.9650690	-0.9865233	-0.9611505	-0.9489384	-0.9753931	-0.7938236
## 163	-0.9704858	-0.9829602	-0.9680705	-0.9677064	-0.9911527	-0.9040721
## 164	-0.9869562	-0.9804965	-0.9710992	-0.9656133	-0.9898524	-0.8935441
## 165	-0.9680398	-0.9716638	-0.9674655	-0.9913597	-0.9927265	-0.9355032
## 166	-0.9687920	-0.9860600	-0.9889319	-0.9672145	-0.9826949	-0.9280007
## 167	-0.9841191	-0.9885003	-0.9695900	-0.9717823	-0.9751035	-0.9473251
## 168	-0.9773796	-0.9638668	-0.9625768	-0.9296650	-0.9151020	-0.9337964
## 169	-0.9815924	-0.9828421	-0.9803009	-0.9702710	-0.9999929	-0.9315138
## 170	-0.9807184	-0.9864957	-0.9705304	-0.9616431	-0.9997374	-0.8433350
## 171	-0.9876274	-0.9903304	-0.9783839	-0.9496284	-0.9855943	-0.8380599
## 172	-0.9748707	-0.9852204	-0.9738174	-0.9483208	-0.9680061	-0.9048912
## 173	-0.9846469	-0.9893204	-0.9809095	-0.9680459	-0.9737955	-0.8990169
## 174	-0.9586314	-0.9704909	-0.9795130	-0.9612316	-0.9627809	-0.9063812
## 175	-0.9640079	-0.9879518	-0.9582248	-0.9894806	-0.9956209	-0.9178854
## 176	-0.9744927	-0.9738389	-0.9469124	-0.9501023	-0.9629182	-0.9311459
## 177	-0.9995110	-0.9988634	-0.9980951	-0.9962913	-0.9958030	-0.9949983
##	NA	NA	NA	NA	NA	NA
## 1	-0.9999058	-0.9998927	-0.9994443	-0.9999410	-0.9999586	-0.952154660
## 2	-0.9999178	-0.9999754	-0.9999711	-0.9998943	-0.9999710	-0.980856620
## 3	-0.9999196	-0.9999464	-0.9999325	-0.9998502	-0.9999556	-0.987794770
## 4	-0.9999398	-0.9999364	-0.9999101	-0.9998713	-0.9999516	-0.987518660
## 5	-0.9999925	-0.9999366	-0.9999474	-0.9998664	-0.9999728	-0.993590850
## 6	-0.9999197	-0.9998617	-0.9995947	-0.9997918	-0.9999052	-0.994835990
## 7	-0.9999217	-0.9998887	-0.9998037	-0.9996977	-0.9999198	-0.982134710
## 8	-0.9999510	-0.9999082	-0.9996636	-0.9996808	-0.9999343	-0.982184130
## 9	-0.9999257	-0.9999162	-0.9997094	-0.9998682	-0.9999394	-0.983130800
## 10	-0.9998370	-0.9998937	-0.9999058	-0.9997375	-0.9999297	-0.984994030
## 11	-0.9998506	-0.9998140	-0.9997690	-0.9997409	-0.9999174	-0.985696560
## 12	-0.9999703	-0.9999701	-0.9999672	-0.9999740	-0.9999771	-0.995137800
## 13	-0.9999794	-0.9999913	-0.9999826	-0.9999742	-0.9999809	-0.995953670
## 14	-0.9999640	-0.9999830	-0.9999896	-0.9999770	-0.9999786	-0.997757260
## 15	-0.9991476	-0.9984304	-0.9936906	-0.9958250	-0.9991202	-0.903838530
## 16	-0.9997900	-0.9996507	-0.9985842	-0.9975630	-0.9997615	-0.991367650
## 17	-0.9998995	-0.9998250	-0.9992197	-0.9995707	-0.9998940	-0.992731570
## 18	-0.9999429	-0.9998875	-0.9998599	-0.9997624	-0.9999430	-0.993433490
## 19	-0.9999679	-0.9999823	-0.9999861	-0.9999702	-0.9999731	-0.997043860
## 20	-0.9999804	-0.9999773	-0.9999900	-0.9999666	-0.9999825	-0.999892780
## 21	-0.9999708	-0.9999691	-0.9999334	-0.9999932	-0.9999634	-0.997252530
## 22	-0.9999676	-0.9999761	-0.9999189	-0.9999903	-0.9999637	-0.996710690

## 23	-0.9999758	-0.9999822	-0.9999481	-0.9999659	-0.9999737	-0.995962980
## 24	-0.9999840	-0.9999657	-0.9997933	-0.9999761	-0.9999826	-0.995084210
## 25	-0.9999716	-0.9999337	-0.9998092	-0.9999593	-0.9999679	-0.994278630
## 26	-0.9999650	-0.9999430	-0.9998773	-0.9999700	-0.9999550	-0.993639190
## 27	-0.9999538	-0.9999698	-0.9999401	-0.9999844	-0.9999575	-0.996386090
## 28	-0.9989027	-0.9977411	-0.9923110	-0.9963564	-0.9989127	-0.446629920
## 29	-0.9999455	-0.9998951	-0.9998380	-0.9993817	-0.9999550	-0.953626580
## 30	-0.9999020	-0.9997642	-0.9990286	-0.9993115	-0.9998766	-0.976706950
## 31	-0.9934442	-0.9963372	-0.9866695	-0.9058251	-0.9973305	-0.612648510
## 32	-0.9947334	-0.9987523	-0.9982776	-0.8779472	-0.9986776	-0.682193670
## 33	-0.9984363	-0.9941976	-0.9847795	-0.9601356	-0.9976607	-0.691858520
## 34	-0.9999751	-0.9998971	-0.9998628	-0.9996575	-0.9999460	-0.905495940
## 35	-0.9999612	-0.9998659	-0.9996545	-0.9996409	-0.9999346	-0.968615660
## 36	-0.9999318	-0.9999577	-0.9997461	-0.9998559	-0.9999621	-0.996838060
## 37	-0.9999350	-0.9999329	-0.9999263	-0.9999241	-0.9999359	-0.998355020
## 38	-0.9999559	-0.9999435	-0.9999839	-0.9999786	-0.9999502	-0.996426270
## 39	-0.9978398	-0.9960765	-0.9831858	-0.9870126	-0.9974809	-0.945263100
## 40	-0.9975105	-0.9954491	-0.9813245	-0.9863102	-0.9973578	-0.968581750
## 41	-0.9993257	-0.9986243	-0.9941367	-0.9947753	-0.9992035	-0.995971660
## 42	-0.9999457	-0.9999146	-0.9996803	-0.9995943	-0.9999549	-0.993620200
## 43	-0.9999555	-0.9999523	-0.9998480	-0.9997516	-0.9999752	-0.993139050
## 44	-0.9999789	-0.9999648	-0.9999430	-0.9998579	-0.9999786	-0.993342200
## 45	-0.9999390	-0.9999307	-0.9998605	-0.9998164	-0.9999472	-0.994725150
## 46	-0.9999641	-0.9999556	-0.9999583	-0.9998879	-0.9999801	-0.998129250
## 47	-0.9999683	-0.9999568	-0.9999290	-0.9998847	-0.9999642	-0.997601470
## 48	-0.9999372	-0.9999704	-0.9999598	-0.9999369	-0.9999627	-0.995517660
## 49	-0.9999265	-0.9999309	-0.9998165	-0.9998960	-0.9999495	-0.994909020
## 50	-0.9999593	-0.9999381	-0.9999606	-0.9998921	-0.9999588	-0.996348850
## 51	-0.9999719	-0.9999573	-0.9999731	-0.9998859	-0.9999784	-0.995933910
## 52	-0.9973091	-0.9958632	-0.9821319	-0.9818478	-0.9975842	-0.875109570
## 53	-0.9989598	-0.9981979	-0.9925585	-0.9938737	-0.9989294	-0.982180970
## 54	-0.9996828	-0.9994053	-0.9979944	-0.9984049	-0.9996694	-0.995060570
## 55	-0.9999522	-0.9999554	-0.9999342	-0.9998952	-0.9999493	-0.998390810
## 56	-0.9999822	-0.9999595	-0.9998476	-0.9999604	-0.9999723	-0.997733220
## 57	-0.9999615	-0.9999399	-0.9998465	-0.9999634	-0.9999645	-0.994853360
## 58	-0.9999675	-0.9999868	-0.9999299	-0.9998437	-0.9999809	-0.996036830
## 59	-0.9999743	-0.9999723	-0.9999267	-0.9999655	-0.9999736	-0.993903790
## 60	-0.9999636	-0.9999554	-0.9999536	-0.9999565	-0.9999567	-0.993347050
## 61	-0.9999637	-0.9999420	-0.9999261	-0.9999621	-0.9999618	-0.993806930
## 62	-0.9999779	-0.9999701	-0.9999547	-0.9999677	-0.9999800	-0.996296520
## 63	-0.9999737	-0.9999768	-0.9999546	-0.9999599	-0.9999858	-0.998112900
## 64	-0.9999707	-0.9999588	-0.9999613	-0.9999506	-0.9999691	-0.998310410
## 65	-0.9972958	-0.9986877	-0.9995834	-0.9915051	-0.9978719	-0.477863510
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## 67	-0.9866719	-0.9974495	-0.9968244	-0.9044003	-0.9942943	-0.405261740
## 68	-0.9863222	-0.9971293	-0.9972167	-0.9174755	-0.9935389	-0.502021820
## 69	-0.9971185	-0.9972719	-0.9896050	-0.9972152	-0.9976821	-0.792322730
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## 71	-0.9676970	-0.9899621	-0.9882747	-0.9084903	-0.9829143	-0.091821255
## 72	-0.9685166	-0.9754318	-0.9455075	-0.9636465	-0.9780209	-0.220785000

## 73	-0.9991117	-0.9994618	-0.9991072	-0.9921632	-0.9992387	-0.498567770
## 74	-0.9999247	-0.9998696	-0.9996769	-0.9992291	-0.9999196	-0.781428950
## 75	-0.9998689	-0.9998650	-0.9996101	-0.9994083	-0.9999117	-0.945372250
## 76	-0.9999557	-0.9999215	-0.9998747	-0.9997482	-0.9999429	-0.991861080
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## 78	-0.9999845	-0.9999812	-0.9999354	-0.9999665	-0.9999913	-0.994454290
## 79	-0.8201533	-0.8435720	-0.9738491	-0.8619159	-0.8849515	-0.166810830
## 80	-0.8002198	-0.8671719	-0.9811275	-0.8334474	-0.8568723	-0.079277624
## 81	-0.8109721	-0.8151067	-0.8315071	-0.8002947	-0.8501821	-0.156312580
## 82	-0.7316636	-0.8114453	-0.8653982	-0.7518321	-0.8432002	-0.104376890
## 83	-0.8032218	-0.9106797	-0.9036214	-0.7676707	-0.9108257	-0.123195320
## 84	-0.8698221	-0.9443936	-0.9203635	-0.8068923	-0.9435747	-0.200025010
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## 86	-0.7824542	-0.8820533	-0.9537466	-0.7680928	-0.8348611	-0.110826940
## 87	-0.9376109	-0.9366322	-0.9013889	-0.8417777	-0.9506490	-0.258717170
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## 89	-0.8321787	-0.8446455	-0.8662167	-0.7980562	-0.8860593	-0.222277430
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## 91	-0.8120894	-0.8763748	-0.9510956	-0.7663740	-0.9290412	-0.150975810
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## 94	-0.7585331	-0.8327991	-0.9384216	-0.7404705	-0.8555972	-0.129876570
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## 97	-0.7986357	-0.9282269	-0.8882940	-0.7392851	-0.9152140	-0.143827470
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## 15	-0.83625317	-0.88354181	-0.83321168	-0.92258320	-0.903838530	-0.9856803
## 16	-0.98608288	-0.98524141	-0.99026567	-0.99427255	-0.991367650	-0.9997963
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## 18	-0.99230619	-0.99048642	-0.99402032	-0.99738066	-0.993433490	-0.9998989
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## 20	-0.99727464	-0.99710355	-0.99809984	-0.99348258	-0.999892780	-0.9999869
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## 64	-0.992761180	-0.99606696	-0.994497830	-0.996534090	-0.994450880
## 65	-0.864884010	-0.86628146	-0.886460140	-0.866553570	-0.915841760
## 66	-0.982140740	-0.97572739	-0.974688060	-0.982267270	-0.997581720
## 67	-0.726190410	-0.59248301	-0.677398480	-0.590491420	-0.965469410
## 68	-0.725460810	-0.64267705	-0.695974930	-0.670984470	-0.853949890
## 69	-0.944513500	-0.95467415	-0.946809150	-0.956294120	-0.922314940
## 70	-0.834354460	-0.74626649	-0.800131810	-0.720022340	-0.986196440
## 71	-0.358482490	-0.32035278	-0.364519100	-0.386572160	-0.857236760
## 72	-0.331756090	-0.25098304	-0.356458890	-0.315821790	-0.676603880
## 73	-0.871886060	-0.82739933	-0.862241780	-0.838166010	-0.902949070
## 74	-0.978231550	-0.98139751	-0.980230230	-0.979350920	-0.983706350
## 75	-0.980659710	-0.97856496	-0.979207690	-0.979060260	-0.975281500
## 76	-0.996567850	-0.99570379	-0.993810530	-0.996988820	-0.984929810
## 77	-0.995277340	-0.99726274	-0.996405660	-0.997307820	-0.970358270
## 78	-0.993919360	-0.99439161	-0.992714620	-0.995609920	-0.990016070
## 79	-0.154044810	-0.18468998	-0.084326809	-0.371772580	-0.804081240
## 80	-0.178445570	-0.23065634	-0.148632220	-0.328694840	-0.794269590
## 81	-0.149438010	-0.32125627	-0.199307570	-0.438663110	-0.511963920
## 82	-0.132222150	-0.23261183	-0.185612370	-0.230926130	-0.848193420

## 83	-0.116087470	-0.20103653	-0.058491029	-0.339918980	-0.411283590
## 84	-0.159020980	-0.25781592	-0.117092580	-0.488179810	-0.783466540
## 85	-0.135439360	-0.19450513	-0.026957271	-0.376729260	-0.743801910
## 86	-0.088076196	-0.03299637	0.077706613	-0.296776350	-0.161123490
## 87	-0.215903460	-0.36040189	-0.240656790	-0.510153150	-0.018009841
## 88	-0.083012895	-0.29820284	-0.210982420	-0.386896090	-0.833038280
## 89	-0.137112510	-0.21444218	-0.188305720	-0.237076130	-0.400104000
## 90	-0.119448350	-0.22363449	-0.226720660	-0.220100720	-0.784312240
## 91	-0.152506800	-0.27939285	-0.233422130	-0.305632210	-0.118408580
## 92	-0.102792800	-0.09745663	-0.055776075	-0.178950960	-0.477911000
## 93	-0.037076583	-0.15403764	-0.131092730	-0.153267550	-0.272407890
## 94	-0.033384888	-0.23700181	-0.144046190	-0.420213030	-0.465217250
## 95	-0.036035559	-0.05434977	-0.087157303	-0.109074920	-0.182194340
## 96	-0.117314840	-0.09609042	0.028679141	-0.307128460	-0.918232050
## 97	-0.131656270	-0.11600375	-0.123203360	-0.198228420	-0.584270570
## 98	-0.167512290	-0.11953962	-0.106352590	-0.149436540	-0.376225690
## 99	-0.064023916	-0.18547810	-0.084559392	-0.325903350	-0.868901350
## 100	-0.024979346	-0.15457071	0.033447782	-0.318546870	-0.658186640
## 101	-0.014190613	-0.30488220	-0.239892600	-0.375888380	-0.180599850
## 102	0.149027960	-0.05587072	-0.008854814	-0.053299729	-0.450435040
## 103	0.111597180	-0.02934147	0.052345055	-0.064023931	-0.873223730
## 104	0.037196642	-0.02184824	0.001976708	-0.184708130	-0.708687910
## 105	-0.070366165	-0.06938375	-0.003345657	-0.321215640	-0.479630960
## 106	-0.165431590	-0.22728925	-0.175929980	-0.387096770	-0.615084490
## 107	-0.006305701	-0.15557509	-0.119671460	-0.151248950	0.034139084
## 108	-0.018739839	-0.11642689	-0.072287057	-0.121103080	-0.476644290
## 109	-0.066482075	-0.18988930	-0.098893202	-0.295832050	-0.581958980
## 110	-0.076468804	-0.19893948	-0.085196953	-0.396264880	0.004161861
## 111	-0.170505550	-0.13135164	-0.038057414	-0.267892500	-0.431142550
## 112	0.007337009	-0.11242730	0.056542096	-0.328999550	-0.223102320
## 113	-0.111626250	-0.20312045	-0.112978820	-0.238896490	-0.540314250
## 114	-0.165504960	-0.17233329	-0.231786220	-0.158050450	-0.677697950
## 115	-0.196543190	-0.18169343	-0.147543700	-0.286022240	-0.851702220
## 116	-0.086541332	-0.10569655	-0.024123934	-0.295276760	-0.210348380
## 117	-0.052196241	-0.05673831	0.022634514	-0.326818760	-0.389845060
## 118	-0.107683550	-0.14323308	-0.010645574	-0.332763340	-0.795732920
## 119	-0.203189800	-0.29733105	-0.266803560	-0.363703480	-0.480408380
## 120	-0.215868100	-0.20182780	-0.099222763	-0.407369290	-0.899253650
## 121	-0.251961750	-0.17698376	-0.145214260	-0.280783490	-0.368967090
## 122	-0.218164700	-0.32466220	-0.235971880	-0.539093130	-0.854607890
## 123	-0.183801900	-0.26499261	-0.177842180	-0.390170600	-0.211013890
## 124	-0.265151520	-0.24234801	-0.165161140	-0.395860030	-0.865906230
## 125	-0.204727960	-0.20352685	-0.180120580	-0.287772870	-0.660979110
## 126	-0.114899460	-0.24919755	-0.171152750	-0.361664070	-0.393920110
## 127	-0.086251433	-0.25748397	-0.160606540	-0.406592520	-0.351530890
## 128	-0.052287846	-0.10043928	-0.089535465	-0.122720180	0.076914028
## 129	-0.068719010	-0.05850164	-0.093536556	-0.128378630	-0.839669310
## 130	0.028128341	-0.11387575	-0.038425350	-0.162457230	-0.035097722
## 131	0.155831620	0.11662620	0.125143470	0.125164910	0.226845570
## 132	0.128508700	0.18855262	0.225233150	0.071873643	-0.486298450

## 133	-0.006825218	-0.08694342	0.061139935	-0.306705490	-0.128304990
## 134	-0.060360287	-0.07203612	0.084807388	-0.316740860	-0.391235310
## 135	0.351674400	0.27824359	0.469525520	-0.057221898	-0.850369650
## 136	0.211621130	0.09125675	0.055650859	0.075140431	0.120738870
## 137	0.236981360	0.14919345	0.185436700	0.174586620	-0.390352440
## 138	0.146866670	0.03723697	0.094157701	-0.044687900	-0.023199390
## 139	-0.068429084	-0.04759826	0.069036390	-0.245018740	-0.603628970
## 140	-0.018784159	-0.09845751	0.021046762	-0.366301860	-0.702709880
## 141	0.101835760	-0.10038422	-0.002078900	-0.281738630	-0.629746330
## 142	0.007555202	-0.05058293	-0.067060478	0.003046065	-0.122944690
## 143	-0.117883400	-0.34328250	-0.117498860	-0.611320470	-0.537340260
## 144	-0.099703966	-0.17235437	-0.073733630	-0.363542640	-0.675422240
## 145	0.008141825	-0.02671943	0.024434537	-0.086836637	-0.598463320
## 146	0.023269953	-0.10915177	-0.012998143	-0.173249450	-0.183565250
## 147	-0.116464960	-0.30736106	-0.166934790	-0.395938610	-0.582588810
## 148	-0.188529980	-0.35990221	-0.359520350	-0.346567220	0.136459490
## 149	-0.159543110	-0.39251711	-0.328176270	-0.543991800	-0.869575630
## 150	-0.137888200	-0.28549435	-0.135230410	-0.550005740	-0.757354920
## 151	-0.490400000	-0.61971628	-0.511812120	-0.691284350	-0.606774190
## 152	-0.545202910	-0.66016737	-0.577733360	-0.735139720	-0.678744090
## 153	-0.554557200	-0.64662673	-0.537479710	-0.776271060	-0.846085950
## 154	-0.477144950	-0.59937305	-0.475928010	-0.738701820	-0.792795730
## 155	-0.376664610	-0.50238983	-0.411850610	-0.630325300	-0.252338150
## 156	-0.422543990	-0.49859805	-0.418150420	-0.600484920	-0.492392350
## 157	-0.428059730	-0.52351721	-0.479190190	-0.577867200	-0.596192940
## 158	-0.402990900	-0.49696366	-0.400772070	-0.579760670	-0.796695000
## 159	-0.413108420	-0.57356928	-0.481425540	-0.598178120	-0.423130670
## 160	-0.471099330	-0.59802456	-0.526202420	-0.641105300	-0.684957720
## 161	-0.483479490	-0.52685808	-0.426180190	-0.676417650	-0.992760980
## 162	-0.463826810	-0.58657257	-0.499075470	-0.695207640	-0.768174270
## 163	-0.537715990	-0.61130084	-0.523640950	-0.709236770	-0.767585130
## 164	-0.453953950	-0.53201120	-0.422916110	-0.630925580	-0.629534280
## 165	-0.480385040	-0.57627111	-0.481918130	-0.642212220	-0.591421240
## 166	-0.650319310	-0.73395306	-0.654645080	-0.799825990	-0.987639720
## 167	-0.658561100	-0.72379208	-0.643617300	-0.839420400	-0.904466810
## 168	-0.521539330	-0.61648154	-0.557282430	-0.676482200	-0.638354690
## 169	-0.388769400	-0.44235177	-0.372182520	-0.521022560	-0.938793380
## 170	-0.400605020	-0.48524201	-0.396427420	-0.601849230	-0.709808360
## 171	-0.536967000	-0.57001838	-0.507990420	-0.668775700	-0.826927450
## 172	-0.445254780	-0.58892297	-0.481458590	-0.722657510	-0.715300340
## 173	-0.453501350	-0.54360053	-0.444381880	-0.705785110	-0.887190330
## 174	-0.433356330	-0.54208449	-0.439477300	-0.654781570	-0.952928560
## 175	-0.475785870	-0.53487548	-0.468648630	-0.605914700	-0.467514490
## 176	-0.275524720	-0.31659799	-0.168848440	-0.586472000	-0.397752690
## 177	-0.985690920	-0.98837036	-0.984338250	-0.992194920	-0.990885710
##	NA	NA	NA	NA	NA
##	NA				
## 1	-0.993725650	-0.9999184	-0.991363660	-1.000000000	-0.9365079
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## 2	-0.990335490	-0.9998669	-0.991133890	-1.000000000	-0.8412698
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## 3	-0.989280070	-0.9998455	-0.986657620	-1.000000000	-0.9047619	0.6607950
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## 4	-0.992768920	-0.9998948	-0.988055240	-1.000000000	1.0000000	0.6789213
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## 5	-0.995522810	-0.9999409	-0.994169460	-1.000000000	-1.0000000	0.5590576
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## 6	-0.994732920	-0.9999370	-0.996696570	-1.000000000	-1.0000000	0.2469095
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## 7	-0.987885800	-0.9998239	-0.991344790	-1.000000000	-0.9047619	0.2901766
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## 8	-0.989851440	-0.9998452	-0.989676390	-1.000000000	-0.9682540	0.2497989
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## 9	-0.992072630	-0.9998943	-0.992370540	-1.000000000	-1.0000000	0.2723423
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## 10	-0.982316830	-0.9996798	-0.979143960	-1.000000000	-1.0000000	0.2508835
500						
## 11	-0.984763040	-0.9997449	-0.983665630	-1.000000000	-1.0000000	0.5018756
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## 12	-0.994729360	-0.9999350	-0.993912420	-1.000000000	-0.8730159	0.6993621
300						
## 13	-0.996818870	-0.9999632	-0.994772470	-1.000000000	-0.9047619	0.5363484
400						
## 14	-0.995533350	-0.9999466	-0.994287620	-1.000000000	-0.9047619	0.5300883
200						
## 15	-0.989026080	-0.9998182	-0.983772180	-1.000000000	-1.0000000	0.1689790
400						
## 16	-0.996815010	-0.9999688	-0.995775390	-1.000000000	-0.8412698	0.5438526
900						
## 17	-0.998852640	-0.9999871	-0.994701560	-1.000000000	-0.9047619	0.6365580
600						
## 18	-0.996350040	-0.9999578	-0.998067760	-1.000000000	-0.9047619	0.4851884
200						
## 19	-0.996740650	-0.9999658	-0.997326860	-1.000000000	-0.9365079	0.4373190
900						
## 20	-0.999479460	-0.9999989	-0.997724840	-1.000000000	-0.5555556	0.6084478
600						
## 21	-0.998323590	-0.9999704	-0.996035320	-1.000000000	-0.8095238	0.2847594
600						
## 22	-0.994495990	-0.9999209	-0.996134070	-1.000000000	-0.9682540	0.3771209
200						
## 23	-0.992584990	-0.9998934	-0.993388270	-1.000000000	-1.0000000	0.4929347
100						
## 24	-0.994291460	-0.9999186	-0.987498580	-1.000000000	-1.0000000	0.3620332
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## 25	-0.994448150	-0.9999342	-0.994693360	-1.000000000	-0.8730159	0.3615435
300						
## 26	-0.994398240	-0.9999286	-0.989481090	-1.000000000	-0.6507937	0.3379145
400						
## 27	-0.993227540	-0.9999227	-0.992911980	-1.000000000	-0.8095238	0.5539181

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## 28	-0.975658570	-0.9992664	-0.988735550	-0.94096500	-1.00000000	-0.3126725
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## 29	-0.994769740	-0.9999237	-0.990792360	-1.00000000	-0.9682540	0.3098713
700						
## 30	-0.993985270	-0.9999231	-0.987865960	-1.00000000	-0.4603175	0.4198944
500						
## 31	-0.860321470	-0.9810988	-0.907808260	-0.41351289	-1.00000000	-0.1217021
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## 32	-0.851317880	-0.9852895	-0.911245680	-0.39291452	-1.00000000	0.1092438
800						
## 33	-0.913779770	-0.9950411	-0.933484090	-0.57339379	-1.00000000	0.2096822
300						
## 34	-0.990336360	-0.9998357	-0.991942680	-1.00000000	-1.00000000	0.2496267
000						
## 35	-0.995547620	-0.9999453	-0.992219170	-1.00000000	-0.9365079	0.3506826
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## 36	-0.997786290	-0.9999731	-0.996519820	-1.00000000	-0.9047619	0.2074265
700						
## 37	-0.997792140	-0.9999695	-0.994114550	-1.00000000	-1.00000000	0.2708855
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## 38	-0.997603230	-0.9999703	-0.996855730	-1.00000000	-0.8730159	0.5841154
400						
## 39	-0.979568200	-0.9995595	-0.979122770	-0.94096500	-1.00000000	0.1320882
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## 40	-0.992638060	-0.9998883	-0.992098710	-1.00000000	-0.9047619	0.3679518
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## 41	-0.994544950	-0.9999336	-0.992596970	-1.00000000	-0.3968254	0.5990010
000						
## 42	-0.992333800	-0.9999005	-0.992751010	-1.00000000	-0.9682540	0.3952620
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## 43	-0.993412050	-0.9999051	-0.989531090	-1.00000000	-0.8730159	0.2616099
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## 44	-0.993779440	-0.9999278	-0.993655260	-1.00000000	-0.8095238	0.6291895
100						
## 45	-0.995488110	-0.9999472	-0.993457970	-1.00000000	-0.7460317	0.7033022
200						
## 46	-0.997525660	-0.9999704	-0.993956860	-1.00000000	-0.9365079	0.6563867
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## 47	-0.997792740	-0.9999774	-0.995244250	-1.00000000	-0.5873016	0.6573452
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## 48	-0.996570700	-0.9999486	-0.992804010	-1.00000000	-0.6507937	0.4601393
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## 49	-0.994121110	-0.9999021	-0.994955420	-1.00000000	-0.9365079	0.4326346
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## 50	-0.996025890	-0.9999367	-0.993584280	-1.00000000	-0.9365079	0.3473804
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## 51	-0.995735630	-0.9999489	-0.997181900	-1.00000000	-0.7777778	0.5588320
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## 52	-0.910289720	-0.9941662	-0.915143900	-0.54887719	-1.00000000	-0.2985904

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## 53	-0.992513040	-0.9999000	-0.988862570	-1.000000000	-0.7777778	0.5219704
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## 54	-0.994505940	-0.9999256	-0.992922280	-1.000000000	-0.9365079	0.6160485
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## 55	-0.996208320	-0.9999413	-0.992953190	-1.000000000	-0.9047619	0.1610637
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## 56	-0.996996340	-0.9999448	-0.994620280	-1.000000000	-0.7777778	0.2541574
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## 57	-0.992976650	-0.9998997	-0.991764730	-1.000000000	-0.7777778	0.1264537
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## 58	-0.993151120	-0.9999023	-0.985239220	-1.000000000	-0.8095238	0.1326400
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## 59	-0.993998460	-0.9999231	-0.992942790	-1.000000000	0.1111111	0.5212346
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## 60	-0.994224150	-0.9999186	-0.988847750	-1.000000000	-0.9682540	0.6650932
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## 61	-0.995748370	-0.9999417	-0.994364550	-1.000000000	-0.9682540	0.4123154
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## 62	-0.996309020	-0.9999486	-0.991340610	-1.000000000	-0.7142857	0.2593893
600						
## 63	-0.995831100	-0.9999558	-0.995584910	-1.000000000	-0.7777778	0.4380740
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## 64	-0.992761180	-0.9999199	-0.993371200	-1.000000000	-0.9365079	0.5101169
800						
## 65	-0.864884010	-0.9895661	-0.926129420	-0.36617515	-1.0000000	0.1581953
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## 66	-0.982140740	-0.9995772	-0.984918150	-0.89799999	-1.0000000	-0.1213258
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## 67	-0.726190410	-0.9392797	-0.771653070	-0.22219618	-1.0000000	-0.5928170
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## 68	-0.725460810	-0.9477711	-0.801278870	-0.15542519	-1.0000000	-0.5033246
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## 69	-0.944513500	-0.9981406	-0.945348930	-0.86121670	-1.0000000	0.2517987
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## 70	-0.834354460	-0.9761745	-0.855801340	-0.36617515	-1.0000000	-0.2392823
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## 71	-0.358482490	-0.7769378	-0.533136360	0.19254267	-1.0000000	0.1546325
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## 72	-0.331756090	-0.7449660	-0.542507870	0.17679454	-1.0000000	0.0878468
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## 73	-0.871886060	-0.9873884	-0.914886230	-0.36021288	-1.0000000	-0.1945270
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## 74	-0.978231550	-0.9995759	-0.981476650	-0.94096500	-0.9682540	0.4104551
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## 77	-0.995277340	-0.9999526	-0.996076010	-1.000000000	-0.9365079	0.4243445

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## 78	-0.993919360	-0.9999242	-0.993182260	-1.000000000	-0.9365079	0.4498266
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## 80	-0.178445570	-0.6734369	-0.230523610	0.43822479	-0.8730159	0.1904789
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## 81	-0.149438010	-0.6888975	-0.324641950	0.44137229	-0.8730159	0.3107567
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## 82	-0.132222150	-0.6520411	-0.273560360	0.40829089	-0.8730159	0.2664596
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## 83	-0.116087470	-0.6330723	-0.185905190	0.51019853	-0.8730159	-0.0016147
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## 84	-0.159020980	-0.6734330	-0.262023970	0.48455399	-0.8730159	0.0021477
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## 85	-0.135439360	-0.6403001	-0.016373756	0.51969074	-0.8730159	-0.1231366
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## 86	-0.088076196	-0.5530119	-0.135930810	0.43225078	-0.8730159	0.0221059
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## 87	-0.215903460	-0.7310965	-0.293747140	0.33628378	-0.9047619	0.0157406
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## 88	-0.083012895	-0.6486673	-0.244795110	0.43796065	-0.8730159	0.2273547
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## 93	-0.037076583	-0.5747297	-0.260705710	0.38154617	-0.8730159	0.2016702
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## 94	-0.033384888	-0.6023691	-0.310668010	0.49127978	-0.8730159	0.1801664
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## 95	-0.036035559	-0.5345303	-0.359958900	0.41885954	-0.8730159	0.1129500
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## 74	-0.452778100	0.456979030	0.140754840	-0.985250630	-0.98519500
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## 77	-0.175910430	-0.075735290	-0.494904380	-0.996444440	-0.99705279
## 78	0.038252729	-0.305053810	-0.686018590	-0.996650540	-0.99695369
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## 82	0.327632380	-0.245198520	-0.470641330	-0.217668850	-0.29922633
## 83	0.348634260	-0.403038370	-0.669193410	-0.187550950	-0.30033796
## 84	0.418139140	0.107001600	-0.127340650	-0.338358810	-0.46501488
## 85	0.250392290	-0.170142150	-0.507271300	-0.397191100	-0.50292913
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## 93	0.332127810	-0.042099894	-0.300286530	-0.341366340	-0.39315099
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## 169	-0.262182910	0.282118350	0.080741088	-0.633442020	-0.66594927	
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## 93	0.5492325	-0.87301587	0.1705633600	0.0158003850	-0.28573754
## 94	0.5982714	-0.90476190	0.1611026400	-0.2623224500	-0.62609741
## 95	0.6110235	-0.87301587	0.0982239220	-0.2602701400	-0.60099427
## 96	0.6797007	-0.87301587	0.1035837900	-0.1095888600	-0.42216552
## 97	0.6869697	-0.90476190	0.1743448300	-0.1869211200	-0.49384468
## 98	0.6245834	-0.90476190	0.2108131500	-0.2428114000	-0.56927603
## 99	0.5760444	-0.87301587	0.2936991500	-0.2413333300	-0.55187161
## 100	0.4699232	-0.87301587	0.3948549100	-0.0483287520	-0.37316280
## 101	0.6005987	-0.87301587	0.3562601100	0.0040713823	-0.26704180
## 102	0.6588716	-0.87301587	0.2383139700	0.2785569100	0.03432269

## 103	0.6272565	-0.87301587	0.0564785330	-0.1846265100	-0.54960683
## 104	0.5847700	-0.87301587	0.3848584900	-0.2056903900	-0.51911727
## 105	0.5921058	-0.87301587	0.4140957200	-0.3276461700	-0.63373341
## 106	0.5478086	-0.87301587	0.3665951300	-0.3950299400	-0.64919349
## 107	0.5197906	-0.87301587	0.2203890000	-0.1199580000	-0.44379143
## 108	0.5923307	-0.87301587	0.0775928090	0.0844927310	-0.18710903
## 109	0.5460768	-0.87301587	0.1655629700	-0.0966768530	-0.37672629
## 110	0.5163845	-0.90476190	0.2414844300	-0.2079250000	-0.59041372
## 111	0.5958899	-0.90476190	0.04144466300	-0.6232547300	-0.89124865
## 112	0.5873304	-0.87301587	0.1754617800	-0.1091713000	-0.44844837
## 113	0.4632073	-0.87301587	0.2642732700	0.1239663700	-0.18368135
## 114	0.5386959	-0.87301587	0.2480218300	-0.0473068940	-0.36059448
## 115	0.6019271	-0.87301587	0.2012964500	0.0594423530	-0.22444915
## 116	0.5474473	-0.87301587	0.1339104300	-0.0003612047	-0.41276796
## 117	0.6526393	-0.87301587	0.0799232480	-0.3174157000	-0.66626897
## 118	0.4808345	-0.87301587	0.2623174400	-0.2921580300	-0.65602444
## 119	0.5661564	-0.90476190	0.2100353600	-0.2920756400	-0.64701325
## 120	0.5251523	-0.90476190	0.0781750220	-0.2851854700	-0.69624001
## 121	0.5267723	-0.90476190	0.0828915820	-0.1804281000	-0.54215157
## 122	0.5507159	-0.87301587	0.1389796800	-0.4547713000	-0.78753094
## 123	0.5106932	-0.90476190	0.1960543500	-0.4814671200	-0.75226919
## 124	0.5051230	-0.90476190	0.1697788100	-0.5810097400	-0.85618464
## 125	0.5970807	-0.90476190	0.0557139620	-0.3055499900	-0.65765213
## 126	0.4773708	-0.96825397	0.0020676879	-0.2994248900	-0.69116994
## 127	0.5909860	-0.96825397	-0.0615250130	-0.4192888700	-0.78169916
## 128	0.6901418	-0.90476190	-0.0009285913	-0.3386454100	-0.72914396
## 129	0.6004868	-0.90476190	0.2936519100	-0.2779943300	-0.65627300
## 130	0.5032956	-0.33333333	0.4489403000	-0.6489900700	-0.91684738
## 131	0.5766398	-0.90476190	0.1583959400	-0.2319507700	-0.62703112
## 132	0.6228679	-0.90476190	0.0007837935	-0.3053153600	-0.71706482
## 133	0.5155560	-0.96825397	0.1692699100	-0.4752742200	-0.82304700
## 134	0.5032353	-0.96825397	0.2798822800	-0.3684737100	-0.75361313
## 135	0.7212580	-0.87301587	0.0622944110	-0.3460433800	-0.73261272
## 136	0.6413533	-0.96825397	0.4221697500	-0.4241041600	-0.76814981
## 137	0.6691055	-0.87301587	0.3353146500	-0.4389266600	-0.72882018
## 138	0.6922196	-0.84126984	0.0274672870	-0.3913719600	-0.79501703
## 139	0.6251788	-0.93650794	0.0848849230	-0.2310517800	-0.67927826
## 140	0.6390836	-0.96825397	0.1792416900	-0.2517046200	-0.66882668
## 141	0.5489994	-0.74603175	0.2929126700	-0.5934816500	-0.88647571
## 142	0.5409646	-0.80952381	0.3732030300	-0.6042860700	-0.87676679
## 143	0.5249028	-0.87301587	0.2433984900	-0.8760421400	-0.99466425
## 144	0.5446366	-0.87301587	0.1790902800	-0.5083457100	-0.83070137
## 145	0.6234469	-0.87301587	0.1497109400	-0.4678187700	-0.83985299
## 146	0.6678726	-0.87301587	0.0704096110	-0.3685420500	-0.77672856
## 147	0.6306781	-0.87301587	0.0304554930	-0.5526038200	-0.87490677
## 148	0.5810026	-0.90476190	0.3167519200	-0.5825539400	-0.88660191
## 149	0.5941581	-0.90476190	0.3422299000	-0.6153147800	-0.90082709
## 150	0.4781202	-0.90476190	0.1363229000	-0.6972542300	-0.94101851
## 151	0.4102345	-0.90476190	-0.0066072733	-0.3314703700	-0.68594563
## 152	0.3917082	-0.90476190	0.0598413330	-0.2308114900	-0.62155200

## 153	0.3852255	-0.90476190	0.0421753790	-0.5967528100	-0.88181655
## 154	0.4041317	-0.84126984	0.0357294090	-0.5442092400	-0.83419390
## 155	0.3823614	-0.84126984	-0.2082514200	-0.4762936000	-0.86253422
## 156	0.3567115	-0.90476190	-0.0563201720	-0.5220328200	-0.82199476
## 157	0.4109008	-1.00000000	0.1364363600	-0.3734326000	-0.73275212
## 158	0.4064416	-0.90476190	0.0882438120	-0.2499341300	-0.57235640
## 159	0.3245965	-0.90476190	0.2898003000	-0.6427789400	-0.89386292
## 160	0.3225197	-0.90476190	0.1636337600	-0.1927685200	-0.47931144
## 161	0.3368056	-0.90476190	0.0109419930	-0.6002536700	-0.91258056
## 162	0.3390300	-1.00000000	0.0569325730	-0.3414782000	-0.72333310
## 163	0.2563588	-0.90476190	0.2262922300	-0.4763913100	-0.79673463
## 164	0.2625911	-0.90476190	0.2572531600	-0.4876809200	-0.80676003
## 165	0.2195451	-0.90476190	0.2263963900	-0.5833219400	-0.87791073
## 166	0.1745816	-0.96825397	0.0292520520	-0.4044535800	-0.72984544
## 167	0.2367021	-0.90476190	0.0224573150	-0.5369909500	-0.85683214
## 168	0.2447102	-0.90476190	0.1290343100	-0.5935797200	-0.88109366
## 169	0.3302334	-0.90476190	-0.0499360020	-0.3928730100	-0.76269564
## 170	0.3081212	-0.90476190	-0.0896030540	-0.3658195000	-0.72421874
## 171	0.2719983	-0.80952381	0.0766943700	-0.6041799900	-0.91457365
## 172	0.2816441	-1.00000000	0.0699577390	-0.5957174200	-0.91327660
## 173	0.3329353	-0.80952381	0.1301925600	-0.6057239000	-0.90106345
## 174	0.3064573	-0.84126984	0.1410482300	-0.6105228600	-0.85013883
## 175	0.3207460	-0.90476190	-0.0782934840	-0.5454037300	-0.87419542
## 176	0.2414172	-0.84126984	-0.1740794700	-0.3425282700	-0.75728683
## 177	-0.8099757	-0.96825397	0.0656836350	-0.4972597600	-0.79892446
##	NA	NA	NA	NA	NA
## 1	-0.1127543400	0.030400372	-0.464761390	-0.018445884	-0.8412468
## 2	0.0534769550	-0.007434566	-0.732626210	0.703510590	-0.8447876
## 3	-0.1185592600	0.177899480	0.100699210	0.808529080	-0.8489335
## 4	-0.0367879730	-0.012892494	0.640011040	-0.485366450	-0.8486494
## 5	0.1233200500	0.122541960	0.693578290	-0.615970610	-0.8478653
## 6	0.0826321550	-0.143439010	0.275040750	-0.368224040	-0.8496316
## 7	-0.2127540600	-0.230621930	0.014636690	-0.189511530	-0.8521502
## 8	-0.0208880150	0.593995810	-0.561870670	0.467383330	-0.8510167
## 9	0.0129540210	0.080936389	-0.234312630	0.117797010	-0.8479715
## 10	-0.0205896460	-0.127730180	-0.482870540	-0.070670135	-0.8482944
## 11	0.0806994690	0.595790550	-0.475802450	0.115930620	-0.8515618
## 12	0.0017609637	-0.065980273	0.578861120	-0.651945130	-0.8527234
## 13	-0.0775517230	-0.101221890	0.639083990	0.765484880	-0.8506545
## 14	0.1056204700	-0.090277545	-0.132402800	0.498814190	-0.8497727
## 15	0.0622966190	-0.058719320	0.031207971	-0.268791330	-0.7309373
## 16	-0.1218522200	-0.029076714	-0.013034217	-0.056927156	-0.7611008
## 17	-0.0014463033	-0.048109773	-0.340473490	-0.229154570	-0.7591722
## 18	-0.0283318580	0.092367048	-0.822238610	0.367557440	-0.7593633
## 19	-0.1658491500	-0.033006915	-0.240571550	0.788192910	-0.7610519
## 20	0.2449313100	0.102568970	0.066134774	-0.411729480	-0.7606202
## 21	0.1606073500	0.197773910	0.257657210	-0.381102130	-0.7605277
## 22	-0.0023201840	0.150390830	0.142331320	-0.853711290	-0.7620229
## 23	-0.0323374980	-0.301298380	0.132575960	-0.022379316	-0.7615089
## 24	-0.5428842400	-0.249544510	0.006986179	-0.235199540	-0.7589601

## 25	-0.0214455400	0.337009870	-0.436684990	-0.622922020	-0.7589769
## 26	0.0256519910	0.066502648	-0.226315510	-0.225357990	-0.7621967
## 27	0.2310603100	0.429282530	0.681154290	0.815225620	-0.7637021
## 28	0.0135259730	0.043354353	0.021485361	0.046689153	-0.6670846
## 29	0.1947347500	-0.148055620	0.033529451	-0.127027870	-0.5648074
## 30	-0.2286883400	-0.097214562	0.024191641	0.006329124	-0.5793674
## 31	0.1792231800	0.077594975	0.056348280	-0.316726630	-0.5828063
## 32	0.1147599500	0.114436210	-0.070782460	-0.001460983	-0.5529392
## 33	-0.0049131687	0.033987522	-0.036067731	0.205112560	-0.4183681
## 34	-0.0123379320	0.094622460	0.029126625	-0.134245210	-0.3058841
## 35	0.0961930970	-0.131374980	0.077639880	-0.037327157	-0.3091949
## 36	0.0643981520	0.300923870	0.117655440	-0.046454587	-0.3167322
## 37	-0.0081442943	0.559317550	0.142526980	-0.016025225	-0.3145750
## 38	-0.0742619280	0.324511330	0.161269690	0.192140510	-0.3148856
## 39	0.3212502900	-0.050327903	0.584279980	-0.426198260	-0.6543561
## 40	-0.0332840060	-0.192608550	0.617873510	-0.512405460	-0.6507820
## 41	-0.1437755800	-0.235154520	0.689865800	-0.573560570	-0.6451461
## 42	0.0081153282	0.106761350	0.900588870	-0.794045890	-0.6465785
## 43	0.0461880310	0.251286790	-0.506864840	-0.583071760	-0.6470622
## 44	0.0461273210	0.112450510	-0.519914550	-0.134551200	-0.6451051
## 45	0.1248438700	-0.378424150	-0.641466180	0.341445110	-0.6463337
## 46	0.0331936620	0.331452520	-0.693793230	0.395252820	-0.6479974
## 47	-0.1080917300	0.371172170	-0.500428060	0.454992430	-0.6462539
## 48	-0.1325788700	-0.345562400	0.289201850	0.355138020	-0.6460439
## 49	0.0265410280	-0.286820710	0.785790040	-0.300857290	-0.6448514
## 50	0.1265118500	0.637388690	-0.081017137	-0.187249070	-0.6432203
## 51	-0.1750681300	0.266021650	0.285314860	0.465166740	-0.6454598
## 52	-0.0685798980	-0.043105439	-0.332248510	0.487505250	0.4324785
## 53	-0.1130479400	0.223038100	-0.393074660	0.359037150	0.3998533
## 54	0.2931448500	-0.018634898	-0.246979720	0.453923120	0.3990658
## 55	0.2405257400	0.149804360	0.393610910	0.386719130	0.3995548
## 56	-0.3475187000	-0.469154840	0.308854890	-0.354146240	0.3988886
## 57	-0.3276613300	-0.689302550	0.397034800	-0.310910610	0.3988974
## 58	0.7510889700	0.626431780	0.263400940	-0.646225070	0.3988811
## 59	0.1984363000	0.241702010	-0.011946523	-0.096104861	0.3987777
## 60	-0.0466892300	-0.282930350	0.541432330	0.727894650	0.3980197
## 61	-0.3282750400	0.447150500	0.079283632	-0.108642230	0.3971343
## 62	-0.2409816600	-0.544387870	-0.228994820	-0.039423200	0.3973035
## 63	-0.1965436500	-0.665017330	0.772095840	0.775333580	0.3977580
## 64	0.1702030400	0.310624530	0.663555470	0.337821050	0.3977906
## 65	0.0334878560	0.061567529	-0.514438170	0.240942860	0.2057594
## 66	0.1534405500	-0.528678050	-0.478887620	0.388870110	0.2785440
## 67	0.1394751700	0.039215644	-0.495302820	0.082695923	0.2720829
## 68	0.0024180696	-0.002366143	-0.101877640	0.543206600	0.3787915
## 69	-0.1093918400	0.121178870	0.002749453	0.098027740	0.5023862
## 70	-0.1167685700	-0.391404110	0.413596360	0.051019612	0.4945353
## 71	0.1528296200	0.149602360	0.127245050	0.192852070	0.5087332
## 72	0.1231081600	0.432539740	-0.083445798	0.025647796	0.6682843
## 73	-0.0007928036	0.267189470	-0.186201930	0.098098759	0.7929702
## 74	0.4472253300	0.022634024	-0.051352659	0.156333780	0.7969283

## 75	-0.0283187270	-0.115114940	-0.044386256	0.058185081	0.7973937
## 76	-0.1315768500	0.565616580	-0.010565179	0.046694737	0.7991744
## 77	0.0894277650	-0.191935090	0.377740900	0.071105431	0.7972570
## 78	0.1387421700	-0.479116010	0.263321580	-0.412015950	0.7964124
## 79	-0.1608831200	0.564736320	0.912473220	-0.412836070	-0.7737066
## 80	-0.0219768550	0.506609390	-0.700053020	-0.840942950	-0.7671632
## 81	0.3720410300	-0.106183570	-0.923835330	0.344459190	-0.7574139
## 82	-0.3785736400	-0.582073330	-0.886348740	0.063337412	-0.7625343
## 83	-0.0729063780	0.656842080	-0.291200050	0.077922024	-0.7639681
## 84	0.2279383100	0.011124233	0.272253810	0.207345250	-0.7661857
## 85	-0.1482182400	-0.552254850	0.205244310	0.377500410	-0.7766768
## 86	0.1754768800	0.551512200	-0.221460600	-0.688191320	-0.7842253
## 87	-0.5161541400	0.461593890	0.921734830	-0.367224050	-0.7601763
## 88	-0.0769055250	0.525659440	0.500027690	-0.643309590	-0.7641134
## 89	0.8347709900	-0.849025300	-0.357327500	-0.170313160	-0.7654885
## 90	-0.1581363300	-0.759188590	-0.270994760	0.201838520	-0.7646006
## 91	-0.1657555900	0.648271640	0.303367780	0.822135870	-0.7602417
## 92	-0.0400304370	0.257251660	0.076090927	-0.123424790	-0.7528818
## 93	-0.4227126300	-0.356212950	-0.403728040	-0.169087180	-0.7559765
## 94	0.7482928400	0.668579570	-0.459455020	0.291569570	-0.7639973
## 95	0.5924629400	-0.448267850	-0.579214510	0.836637940	-0.7680147
## 96	-0.4389106400	-0.710034970	0.121017950	-0.023407756	-0.7694772
## 97	-0.5387171800	0.833200500	0.457681980	0.211526520	-0.7767360
## 98	0.4606548700	0.765161570	0.424756900	0.167462670	-0.7869627
## 99	-0.0531583540	0.512810490	-0.811517960	0.581624360	-0.7641851
## 100	0.4662107800	-0.205652070	-0.282600790	0.207175110	-0.7569977
## 101	-0.0845498020	-0.497418560	0.162352500	-0.408397320	-0.7507395
## 102	0.7176453300	0.401581250	-0.038345181	-0.593632420	-0.7499626
## 103	0.3733684700	-0.358117660	-0.025813658	0.810168750	-0.7512087
## 104	-0.5228653400	0.644425130	0.427021120	0.697137950	-0.7521812
## 105	0.7158481400	0.228243580	0.277383940	-0.318153500	-0.7619169
## 106	-0.0355104380	-0.760584690	0.535230060	-0.957049970	-0.7731985
## 107	-0.3749949600	0.147097300	-0.338795480	-0.454474740	-0.7773315
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## 109	-0.0102483440	-0.579204270	-0.521203010	0.810517390	-0.7700047
## 110	-0.4217641400	-0.471106050	0.077417664	0.237209330	-0.7560886
## 111	-0.3364846200	0.373741110	0.597146290	-0.257187610	-0.7577825
## 112	-0.2904975200	-0.230933140	0.955379020	-0.603208950	-0.7550758
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