

0	0	1	0	0	1	0	0	0	0
4	-0.7568025	0.42725	4	-0.7568025	-0.2792692	5	-0.9589243	-0.0771591	5
8	0.98935825	0.02117	8	0.98935825	-0.0030803	10	-0.5440211	-0.3830132	10
12	-0.5365729	0.71209	12	-0.5365729	0.60089955	15	0.65028784	0.37529784	15
16	-0.2879033	0.91711	16	-0.2879033	-0.8782807	20	0.91294525	0.15203366	20
20	0.91294525	0.16653	20	0.91294525	0.0679583	25	-0.1323518	-0.1300334	25
24	-0.9055784	0.17993	24	-0.9055784	0.07632161	30	-0.9880316	-0.0235087	30
28	0.27090579	0.92661	28	0.27090579	-0.8919603	35	-0.4281827	-0.3496795	35
32	0.55142668	0.69593	32	0.55142668	0.58055991	40	0.74511316	0.33143109	40
36	-0.9917789	0.01637	36	-0.9917789	-0.0020954	45	0.85090352	0.23481805	45
40	0.74511316	0.44481	40	0.74511316	-0.2966583	50	-0.2623749	-0.2443128	50
44	0.01770193	0.99969	44	0.01770193	0.99953	55	-0.9997552	-0.0004895	55
48	-0.7682547	0.40978	48	-0.7682547	-0.2623214	60	-0.3048106	-0.2764908	60
52	0.98662759	0.02657	52	0.98662759	-0.00433	65	0.82682868	0.26157084	65
56	-0.521551	0.72798	56	-0.521551	0.62113106	70	0.77389068	0.3104023	70
60	-0.3048106	0.90709	60	-0.3048106	-0.8639248	75	-0.3877816	-0.3294691	75
64	0.92002604	0.15355	64	0.92002604	0.0601705	80	-0.9938887	-0.0121109	80
68	-0.8979277	0.19373	68	-0.8979277	0.08526709	85	-0.1760756	-0.1706168	85
72	0.25382336	0.93557	72	0.25382336	-0.9049342	90	0.89399666	0.17948768	90
76	0.56610764	0.67952	76	0.56610764	0.56015139	95	0.68326171	0.36428333	95
80	-0.9938887	0.01219	80	-0.9938887	-0.0013451	100	-0.5063656	-0.3765304	100
84	0.73319032	0.46243	84	0.73319032	-0.3144646	105	-0.9705353	-0.0563505	105
88	0.0353983	0.99875	88	0.0353983	0.99812103	110	-0.0442427	-0.0441561	110
92	-0.7794661	0.39243	92	-0.7794661	-0.2458373	115	0.94543533	0.10035988	115
96	0.98358775	0.03256	96	0.98358775	-0.0058739	120	0.58061118	0.38488173	120
100	-0.5063656	0.74359	100	-0.5063656	0.641215	125	-0.6160405	-0.3822495	125
104	-0.3216224	0.89656	104	-0.3216224	-0.8489231	130	-0.930106	-0.125474	130
108	0.92681851	0.14101	108	0.92681851	0.05294965	135	0.08836869	0.08767861	135
112	-0.8899956	0.20791	112	-0.8899956	0.09479954	140	0.98023966	0.03835698	140
116	0.23666139	0.94399	116	0.23666139	-0.9171747	145	0.46774516	0.36540929	145
120	0.58061118	0.66289	120	0.58061118	0.53971296	150	-0.7148764	-0.34954	150
124	-0.995687	0.00861	124	-0.995687	-0.0007986	155	-0.873312	-0.2072598	155
128	0.72103771	0.4801	128	0.72103771	-0.3326625	160	0.21942526	0.20886049	160
132	0.05308359	0.99718	132	0.05308359	0.99577618	165	0.99779728	0.0043909	165
136	-0.7904332	0.37522	136	-0.7904332	-0.2298375	170	0.34664946	0.30499403	170
140	0.98023966	0.03913	140	0.98023966	-0.0077405	175	-0.8011346	-0.2869531	175
144	-0.4910216	0.7589	144	-0.4910216	0.66111184	180	-0.8011526	-0.2869364	180
148	-0.3383334	0.88553	148	-0.3383334	-0.8333075	185	0.34662118	0.30497595	185
152	0.93332052	0.12891	152	0.93332052	0.0462854	190	0.99779928	0.00438692	190
156	-0.8817846	0.22246	156	-0.8817846	0.10492183	195	0.21945467	0.20888565	195

160	0.21942526	0.95185	160	0.21942526	-0.9286553	200	-0.8732973	-0.2072787	200
164	0.59493278	0.64605	164	0.59493278	0.51928315	205	-0.7148975	-0.3495288	205
168	-0.9971733	0.00565	168	-0.9971733	-0.0004242	210	0.46771852	0.36540013	210
172	0.70865914	0.4978	172	0.70865914	-0.3512249	215	0.98024562	0.03834576	215
176	0.07075224	0.99499	176	0.07075224	0.99250059	220	0.08839871	0.08770794	220
180	-0.8011526	0.35815	180	-0.8011526	-0.2143411	225	-0.9300949	-0.1254917	225
184	0.97658438	0.04628	184	0.97658438	-0.0099571	230	-0.6160642	-0.3822462	230
188	-0.4755237	0.77388	188	-0.4755237	0.68078207	235	0.58058664	0.384882	235
192	-0.3549384	0.87402	192	-0.3549384	-0.8171111	240	0.94544515	0.10034336	240
196	0.93953006	0.11728	196	0.93953006	0.04016559	245	-0.0442126	-0.0441261	245
200	-0.8732973	0.23735	200	-0.8732973	0.11563489	250	-0.970528	-0.0563638	250
204	0.20212036	0.95915	204	0.20212036	-0.9393512	255	-0.5063916	-0.3765364	255
208	0.60906793	0.62904	208	0.60906793	0.49890002	260	0.6832397	0.36429214	260
212	-0.9983471	0.0033	212	-0.9983471	-0.0001898	265	0.89401017	0.1794688	265
216	0.69605849	0.5155	216	0.69605849	-0.3701232	270	-0.176046	-0.1705899	270
220	0.08839871	0.99219	220	0.08839871	0.98830143	275	-0.9938853	-0.0121174	275
224	-0.811621	0.34127	224	-0.811621	-0.1993654	280	-0.3878094	-0.3294844	280
228	0.97262306	0.054	228	0.97262306	-0.01255	285	0.77387159	0.31041751	285
232	-0.4598767	0.78851	232	-0.4598767	0.70018631	290	0.82684563	0.26155302	290
236	-0.3714321	0.86204	236	-0.3714321	-0.8003681	295	-0.3047819	-0.2764701	295
240	0.94544515	0.10613	240	0.94544515	0.0345763	300	-0.9997558	-0.0004881	300
244	-0.8645363	0.25258	244	-0.8645363	0.12693771	305	-0.2624039	-0.2443359	305
248	0.18475212	0.96587	248	0.18475212	-0.9492394	310	0.85088769	0.23483661	310
252	0.62301221	0.61186	252	0.62301221	0.478601	315	0.74513326	0.3314177	315
256	-0.999208	0.00158	256	-0.999208	-6.3001E-05	320	-0.4281554	-0.3496672	320
260	0.6832397	0.53318	260	0.6832397	-0.3893275	325	-0.9880363	-0.0234998	325
264	0.10601749	0.98876	264	0.10601749	0.9831879	330	-0.1323816	-0.1300617	330
268	-0.821835	0.32459	268	-0.821835	-0.1849256	335	0.91293295	0.15205211	335
272	0.96835694	0.06228	272	0.96835694	-0.0155444	340	0.65031074	0.37529169	340
276	-0.4440857	0.80279	276	-0.4440857	0.71928541	345	-0.5439958	-0.3830104	345
280	-0.3878094	0.8496	280	-0.3878094	-0.7831135	350	-0.9589328	-0.0771441	350
284	0.95106397	0.09548	284	0.95106397	0.02950193	355	-3.0144E-05	-3.0144E-05	355
288	-0.8555044	0.26811	288	-0.8555044	0.13882735	360	0.95891572	0.07717415	360
292	0.16732598	0.972	292	0.16732598	-0.9582984	365	0.5440464	0.38301602	365
296	0.63676125	0.59454	296	0.63676125	0.45842285	370	-0.6502649	-0.375304	370
300	-0.9997558	0.00049	300	-0.9997558	-1.0789E-05	375	-0.9129576	-0.1520152	375
304	0.6702068	0.55082	304	0.6702068	-0.4088066	380	0.13232187	0.13000504	380
308	0.12360304	0.98472	308	0.12360304	0.97717119	385	0.98802697	0.02351771	385
312	-0.8317915	0.30812	312	-0.8317915	-0.1710354	390	0.42820991	0.34969175	390
316	0.96378735	0.07111	316	0.96378735	-0.0189641	395	-0.7450931	-0.3314445	395

320	-0.4281554	0.81668	320	-0.4281554	0.73804054	400	-0.8509194	-0.2347995	400
324	-0.4040652	0.83673	324	-0.4040652	-0.7653834	405	0.26234577	0.24428974	405
328	0.95638473	0.08533	328	0.95638473	0.02492523	410	0.99975451	0.00049081	410
332	-0.8462043	0.28394	332	-0.8462043	0.1512989	415	0.30483933	0.27651152	415
336	0.14984741	0.97755	336	0.14984741	-0.9665084	420	-0.8268117	-0.2615887	420
340	0.65031074	0.5771	340	0.65031074	0.4384015	425	-0.7739098	-0.3103871	425
344	-0.9999903	1.9E-05	344	-0.9999903	-8.4926E-08	430	0.38775385	0.32945388	430
348	0.65696387	0.5684	348	0.65696387	-0.4285281	435	0.99389198	0.01210434	435
352	0.14114985	0.98008	352	0.14114985	0.97026443	440	0.17610529	0.17064373	440
356	-0.8414873	0.2919	356	-0.8414873	-0.1577064	445	-0.8939832	-0.1795066	445
360	0.95891572	0.08048	360	0.95891572	-0.0228316	450	-0.6832837	-0.3642745	450
364	-0.412091	0.83018	364	-0.412091	0.75641334	455	0.50633965	0.37652437	455
368	-0.4201944	0.82344	368	-0.4201944	-0.7472145	460	0.97054255	0.05633724	460
372	0.96140579	0.0757	372	0.96140579	0.02082737	465	0.04427279	0.04418602	465
376	-0.8366391	0.30003	376	-0.8366391	0.1643455	470	-0.9454255	-0.1003764	470
380	0.13232187	0.98249	380	0.13232187	-0.9738517	475	-0.5806357	-0.3848815	475
384	0.66365643	0.55956	384	0.66365643	0.41857198	480	0.61601671	0.38225279	480
388	-0.9999115	0.00018	388	-0.9999115	2.3563E-06	485	0.93011702	0.12545635	485
392	0.64351506	0.58589	392	0.64351506	-0.4484586	490	-0.0883387	-0.0876493	490
396	0.15865243	0.97483	396	0.15865243	0.9624827	495	-0.9802337	-0.0383682	495
400	-0.8509194	0.27594	400	-0.8509194	-0.1449483	500	-0.4677718	-0.3654184	500
404	0.95374359	0.09037	404	0.95374359	-0.0271681	505	0.71485535	0.34955128	505
408	-0.3958975	0.84327	408	-0.3958975	0.77436598	510	0.87332667	0.20724088	510
412	-0.4361919	0.80974	412	-0.4361919	-0.7286445	515	-0.2193959	-0.2088353	515
416	0.96612555	0.0666	416	0.96612555	0.017188	520	-0.9977953	-0.0043949	520
420	-0.8268117	0.31638	420	-0.8268117	0.17795837	525	-0.3466777	-0.3050121	525
424	0.11475487	0.98683	424	0.11475487	-0.9803122	530	0.80111655	0.28696978	530
428	0.67679415	0.54195	428	0.67679415	0.39896835	535	0.80117068	0.28691969	535
432	-0.9995192	0.00096	432	-0.9995192	2.9806E-05	540	-0.3465929	-0.3049579	540
436	0.62986458	0.60327	436	0.62986458	-0.4685633	545	-0.9978013	-0.004383	545
440	0.17610529	0.96899	440	0.17610529	0.95384295	550	-0.2194841	-0.2089108	550
444	-0.8600848	0.26025	444	-0.8600848	-0.132769	555	0.87328261	0.20729763	555
448	0.94827257	0.10078	448	0.94827257	-0.0319931	560	0.71491859	0.34951756	560
452	-0.3795799	0.85592	452	-0.3795799	0.79186127	565	-0.4676919	-0.365391	565
456	-0.4520527	0.79565	456	-0.4520527	-0.7097114	570	-0.9802516	-0.0383345	570
460	0.97054255	0.05805	460	0.97054255	0.01398529	575	-0.0884287	-0.0877373	575
464	-0.8167252	0.33296	464	-0.8167252	0.1921268	580	0.9300838	0.12550934	580
468	0.0971519	0.99056	468	0.0971519	-0.9858757	585	0.61608795	0.38224292	585
472	0.68971977	0.52429	472	0.68971977	0.37962359	590	-0.5805621	-0.3848823	590
476	-0.9988138	0.00237	476	-0.9988138	0.00011546	595	-0.945455	-0.1003269	595

480	0.61601671	0.62052	480	0.61601671	-0.4888068	600	0.04418245	0.0440962	600
484	0.19350297	0.96256	484	0.19350297	0.94436398	605	0.97052075	0.05637703	605
488	-0.8689807	0.24487	488	-0.8689807	-0.1211742	610	0.50641763	0.37654236	610
492	0.94250438	0.11169	492	0.94250438	-0.0373246	615	-0.6832177	-0.364301	615
496	-0.3631433	0.86813	496	-0.3631433	0.8088628	620	-0.8940237	-0.1794499	620
500	-0.4677718	0.78119	500	-0.4677718	-0.6904538	625	0.17601627	0.17056298	625
504	0.97465539	0.05005	504	0.97465539	0.01119606	630	0.993882	0.01212395	630
508	-0.8063828	0.34975	508	-0.8063828	0.20683819	635	0.38783721	0.32949963	635
512	0.07951849	0.99368	512	0.07951849	-0.9905302	640	-0.7738525	-0.3104327	640
516	0.70242924	0.50659	516	0.70242924	0.3605695	645	-0.8268626	-0.2615352	645
520	-0.9977953	0.0044	520	-0.9977953	0.00029232	650	0.3047532	0.2764494	650
524	0.6019758	0.63763	524	0.6019758	-0.5091528	655	0.99975651	0.00048681	655
528	0.21084	0.95555	528	0.21084	0.93406637	660	0.26243303	0.24435898	660
532	-0.8776042	0.22981	532	-0.8776042	-0.1101681	665	-0.8508719	-0.2348552	665
536	0.93644083	0.12308	536	0.93644083	-0.0431791	670	-0.7451534	-0.3314043	670
540	-0.3465929	0.87987	540	-0.3465929	0.82533498	675	0.42812819	0.34965497	675
544	-0.4833443	0.76638	544	-0.4833443	-0.6709108	680	0.98804092	0.02349081	680
548	0.9784628	0.04261	548	0.9784628	0.00879581	685	0.13241151	0.13008996	685
552	-0.7957876	0.36672	552	-0.7957876	0.22207806	690	-0.9129207	-0.1520706	690
556	0.06186016	0.99617	556	0.06186016	-0.9942655	695	-0.6503336	-0.3752855	695
560	0.71491859	0.48889	560	0.71491859	0.34183665	700	0.54397052	0.38300751	700
564	-0.9964641	0.00706	564	-0.9964641	0.00059312	705	0.95894137	0.07712904	705
568	0.58774623	0.65455	568	0.58774623	-0.5295642	710	6.0289E-05	6.0289E-05	710
572	0.22811096	0.94797	572	0.22811096	0.92297242	715	-0.9589072	-0.0771892	715
576	-0.8859528	0.21509	576	-0.8859528	-0.0997524	720	-0.5440717	-0.3830189	720
580	0.9300838	0.13494	580	0.9300838	-0.0495714	725	0.65024204	0.37531014	725
584	-0.3299339	0.89114	584	-0.3299339	0.84124316	730	0.91296985	0.15199674	730
588	-0.4987654	0.75123	588	-0.4987654	-0.6511215	735	-0.132292	-0.1299767	735
592	0.98196357	0.03575	592	0.98196357	0.0067588	740	-0.9880223	-0.0235267	740
596	-0.784943	0.38386	596	-0.784943	0.23783009	745	-0.4282372	-0.349704	745
600	0.04418245	0.99805	600	0.04418245	-0.9970733	750	0.74507295	0.33145785	750
604	0.72718389	0.4712	604	0.72718389	0.32345427	755	0.85093519	0.23478093	755
608	-0.9948207	0.01033	608	-0.9948207	0.00105019	760	-0.2623167	-0.2442667	760
612	0.57333248	0.67129	612	0.57333248	-0.5500031	765	-0.9997538	-0.0004921	765
616	0.24531043	0.93982	616	0.24531043	0.91110611	770	-0.304868	-0.2765322	770
620	-0.8940237	0.20072	620	-0.8940237	-0.0899273	775	0.82679477	0.26160647	775
624	0.92343531	0.14727	624	0.92343531	-0.0565144	780	0.77392886	0.31037188	780
628	-0.3131715	0.90192	628	-0.3131715	0.85655375	785	-0.3877261	-0.3294386	785
632	-0.5140302	0.73577	632	-0.5140302	-0.6311255	790	-0.9938953	-0.0120978	790
636	0.98515661	0.02947	636	0.98515661	0.00505815	795	-0.176135	-0.1706706	795

640	-0.7738525	0.40115	640	-0.7738525	0.25407618	800	0.89396965	0.17952544	800
644	0.02649089	0.9993	644	0.02649089	-0.9989475	805	0.68330573	0.36426569	805
648	0.7392213	0.45355	648	0.7392213	0.30545022	810	-0.5063137	-0.3765184	810
652	-0.9928655	0.01422	652	-0.9928655	0.00169538	815	-0.9705498	-0.056324	815
656	0.55873905	0.68781	656	0.55873905	-0.5704313	820	-0.0443029	-0.044216	820
660	0.26243303	0.93113	660	0.26243303	0.89849303	825	0.94541569	0.10039291	825
664	-0.9018144	0.18673	664	-0.9018144	-0.0806908	830	0.58066027	0.38488117	830
668	0.91649743	0.16003	668	0.91649743	-0.0640195	835	-0.615993	-0.3822561	835
672	-0.296311	0.9122	672	-0.296311	0.87123428	840	-0.9301281	-0.1254387	840
676	-0.5291338	0.72002	676	-0.5291338	-0.6109624	845	0.08830863	0.08761997	845
680	0.98804092	0.02378	680	0.98804092	0.00366593	850	0.98022773	0.03837944	850
684	-0.7625195	0.41856	684	-0.7625195	0.27079644	855	0.46779845	0.36542759	855
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716	-0.2793576	0.92196	716	-0.2793576	0.88525348	895	0.34656463	0.30493978	895
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