

Table VII: Axis_Squared_Differences_÷24 (This table is closely related to the BIM reference Table VI b)

Axis #=x	x ²	Δx ²	+24	24x	24x ²	Axis #=x	x ²	Δx ²	+24	24x	24x ²	Axis #=x	x ²	Δx ²	+24	24x	24x ²	Axis #=x	x ²	Δx ²	+24	24x	24x ²
1	1	0 entries		24	24	51	2601			1224	62424	101	10201			2424	244824	151	22801			3624	547224
2	4	0 entries		48	96	52	2704			1248	64896	102	10404			2448	249696	152	23104			3648	554496
3	9	0 entries		72	216	53	2809			1272	67416	103	10609			2472	254616	153	23409			3672	561816
4	16	0 entries		96	384	54	2916			1296	69984	104	10816			2496	259584	154	23716			3696	569184
5	25	25-1=24	1	120	600	55	3025			1320	72600	105	11025			2520	264600	155	24025			3720	576600
6	36	0 entries		144	864	56	3136			1344	75264	106	11236			2544	269664	156	24336			3744	584064
7	49	49-1=48 49-25=24	2, 1	168	1176	57	3249			1368	77976	107	11449			2568	274776	157	24649			3768	591576
8	64	64-16=48	2	192	1536	58	3364			1392	80736	108	11664			2592	279936	158	24964			3792	599136
9	81	81-9=72	3	216	1944	59	3481			1416	83544	109	11881			2616	285144	159	25281			3816	606744
10	100	100-4=96	4	240	2400	60	3600			1440	86400	110	12100			2640	290400	160	25600			3840	614400
11	121	121-1=120 121-25=96 121-49=72	5, 4, 3	264	2904	61	3721			1464	89304	111	12321			2664	295704	161	25921			3864	622104
12	144	0 entries		288	3456	62	3844			1488	92256	112	12544			2688	301056	162	26244			3888	629856
13	169	169-1=168 169-25=144 169-49=120 169-121=48	7, 6, 5, 4	312	4056	63	3969			1512	95256	113	12769			2712	306456	163	26569			3912	637656
14	196	196-4=192 196-100=96	8, 4	336	4704	64	4096			1536	98304	114	12996			2736	311904	164	26896			3936	645504
15	225	225-9=216 225-81=144	9, 6	360	5400	65	4225			1560	101400	115	13225			2760	317400	165	27225			3960	653400
16	256	256-16=240 256-64=192	10, 8	384	6144	66	4356			1584	104544	116	13456			2784	322944	166	27556			3984	661344
17	289	289-1=288 289-25=264 289-49=240 289-121=168 289-169=120	12, 11, 10, 7, 5	408	6936	67	4489			1608	107736	117	13689			2808	328536	167	27889			4008	669336
18	324	324-36=288	12	432	7776	68	4624			1632	110976	118	13924			2832	334176	168	28224			4032	677376
19	361	361-1=360 361-25=336 361-49=312 361-121=240 361-169=192 361-289=72	15, 14, 13, 10, 8, 3	456	8664	69	4761			1656	114264	119	14161			2856	339864	169	28561			4056	685464
20	400	400-16=384 400-64=336 400-256=144	16, 14, 6	480	9600	70	4900			1680	117600	120	14400			2880	345600	170	28900			4080	693600
21	441	441-9=432 441-81=360 441-225=216	18, 15, 9	504	10584	71	5041			1704	120984	121	14641			2904	351384	171	29241			4104	701784
22	484	484-4=480 484-100=384 484-196=288	20, 16, 12	528	11616	72	5184			1728	124416	122	14884			2928	357216	172	29584			4128	710016
23	529	529-1=528 529-25=504 529-49=480 529-121=408 529-169=360 529-289=240 529-361=168	22, 21, 20, 17, 15, 10, 7	552	12696	73	5329			1752	127896	123	15129			2952	363096	173	29929			4152	718296
24	576	576-144=432	18	576	13824	74	5476			1776	131424	124	15376			2976	369024	174	30276			4176	726624
25	625	625 - 1 = 624 625 - 25 = 600 625 - 49 = 576 625 - 121 = 504 625 - 169 = 456 625 - 289 = 336 625 - 361 = 264 625 - 529 = 96	26, 25, 24, 21, 19, 14, 11, 4	600	15000	75	5625			1800	135000	125	15625			3000	375000	175	30625			4200	735000
26	676	4 entries		624	16224	76	5776			1824	138624	126	15876			3024	381024	176	30976			4224	743424
27	729	729 - 9 = 720 729 - 81 = 648 729 - 225 = 504 729 - 441 = 288	30, 27, 21, 12	648	17496	77	5929			1848	142296	127	16129			3048	387096	177	31329			4248	751896
28	784	4 entries		672	18816	78	6084			1872	146016	128	16384			3072	393216	178	31684			4272	760416
29	841	841-1=840 841-25=816 841-49=792 841-121=720 841-169=672 841-289=552 841-361=480 841-529=312 841-625=216	35, 34, 33, 30, 28, 25, 20, 13, 9	696	20184	79	6241			1896	149784	129	16641			3096	399384	179	32041			4296	768984
30	900	900 - 324 = 576	24	720	21600	80	6400			1920	153600	130	16900			3120	405600	180	32400			4320	777600
31	961	961 - 1 = 960 961 - 25 = 936 961 - 49 = 912 961 - 121 = 840 961 - 169 = 792 961 - 289 = 672 961 - 361 = 600 961 - 529 = 432 961 - 625 = 336 961 - 841 = 120	40, 39, 38, 35, 33, 30, 25, 18, 14, 5	744	23064	81	6561			1944	157464	131	17161			3144	411864	181	32761			4344	786264
32	1024	5 entries		768	24576	82	6724			1968	161376	132	17424			3168	418176	182	33124			4368	794976
33	1089	1,089 - 9 = 1,080 1,089 - 81 = 1,008 1,089 - 225 = 864 1,089 - 441 = 648 1,089 - 729 = 360	45, 42, 36, 27, 15	792	26136	83	6889			1992	165336	133	17689			3192	424536	183	33489			4392	803736
34	1156	5 entries		816	27744	84	7056			2016	169344	134	17956			3216	430944	184	33856			4416	812544
35	1225	1,225 - 1 = 1,224 1,225 - 25 = 1,200 1,225 - 49 = 1,176 1,225 - 121 = 1,104 1,225 - 169 = 1,056 1,225 - 289 = 936 1,225 - 361 = 864 1,225 - 529 = 696 1,225 - 625 = 600 1,225 - 841 = 384 1,225 - 961 = 264	51, 50, 49, 46, 44, 39, 36, 29, 25, 16, 11	840	29400	85	7225			2040	173400	135	18225			3240	437400	185	34225			4440	821400
36	1296	1296-144=1152 1296-576=720	48, 30	864	31104	86	7396			2064	177504	136	18496			3264	443904	186	34596			4464	830304
37	1369	1,369 - 1 = 1,368 1,369 - 25 = 1,344 1,369 - 49 = 1,320 1,369 - 121 = 1,248 1,369 - 169 = 1,200 1,369 - 289 = 1,080 1,369 - 361 = 1,008 1,369 - 529 = 840 1,369 - 625 = 744 1,369 - 841 = 528 1,369 - 961 = 408 1,369 - 1,225 = 144	57, 56, 55, 52, 50, 45, 42, 35, 31, 22, 17, 6	888	32856	87	7569			2088	181656	137	18769			3288	450456	187	34969			4488	839256
38	1444	6 entries		912	34656	88	7744			2112	185856	138	19044			3312	457056	188	35344			4512	848256
39	1521	1,521 - 9 = 1,512 1,521 - 81 = 1,440 1,521 - 225 = 1,296 1,521 - 441 = 1,080 1,521 - 729 = 792 1,521 - 1,089 = 432	63, 60, 54, 45, 33, 18	936	36504	89	7921			2136	190104	139	19321			3336	463704	189	35721			4536	857304
40	1600	6 entries		960	38400	90	8100			2160	194400	140	19600			3360	470400	190	36100			4560	866400
41	1681	1,681 - 1 = 1,680 1,681 - 25 = 1,656 1,681 - 49 = 1,632 1,681 - 121 = 1,560 1,681 - 169 = 1,512 1,681 - 289 = 1,392 1,681 - 361 = 1,320 1,681 - 529 = 1,152 1,681 - 625 = 1,056 1,681 - 841 = 840 1,681 - 961 = 720 1,681 - 1,225 = 456 1,681 - 1,369 = 312	70, 69, 68, 65, 63, 58, 55, 48, 44, 35, 30, 19, 13	984	40344	91	8281			2184	198744	141	19881			3384	477144	191	36481			4584	875544
42	1764	3 entries		1008	42336	92	8464			2208	203136	142	20164			3408	483936	192	36864			4608	884736
43	1849	1,849 - 1 = 1,848 1,849 - 25 = 1,824 1,849 - 49 = 1,800 1,849 - 121 = 1,728 1,849 - 169 = 1,680 1,849 - 289 = 1,560 1,849 - 361 = 1,488 1,849 - 529 = 1,320 1,849 - 625 = 1,224 1,849 - 841 = 1,008 1,849 - 961 = 888 1,849 - 1,225 = 624 1,849 - 1,369 = 480 1,849 - 1,681 = 168	77, 76, 75, 72, 70, 65, 62, 55, 51, 42, 37, 26, 20, 7	1032	44376	93	8649			2232	207576	143	20449			3432	490776	193	37249			4632	893976
44	1936	7 entries		1056	46464	94	8836			2256	212064	144	20736			3456	497664	194	37636			4656	903264
45	2025	2,025 - 9 = 2,016 2,025 - 81 = 1,944 2,025 - 225 = 1,800 2,025 - 441 = 1,584 2,025 - 729 = 1,296 2,025 - 1,089 = 936 2,025 - 1,521 = 504	84, 81, 75, 66, 54, 39, 21	1080	48600	95	9025			2280	216600	145	21025			3480	504600	195	38025			4680	912600
46	2116	7 entries		1104	50784	96	9216			2304	221184	146	21316			3504	511584	196	38416			4704	921984
47	2209	2,209 - 1 = 2,208 2,209 - 25 = 2,184 2,209 - 49 = 2,160 2,209 - 121 = 2,088 2,209 - 169 = 2,040 2,209 - 289 = 1,920 2,209 - 361 = 1,848 2,209 - 529 = 1,680 2,209 - 625 = 1,584 2,209 - 841 = 1,368 2,209 - 961 = 1,248 2,209 - 1,225 = 984 2,209 - 1,369 = 840 2,209 - 1,681 = 528 2,209 - 1,849 = 360	92, 91, 90, 87, 85, 80, 77, 70, 66, 57, 52, 41, 35, 22, 15	1128	53016	97	9409			2328	225816	147	21609			3528	518616	197	38809			4728	931416
48	2304	2304-144=2160 2304-576=1728 2304-1296=1008	90, 72, 42	1152	55296	98	9604			2352	230496	148	21904			3552	525696	198	39204			4752	940896
49	2401	2,401 - 1 = 2,400 2,401 - 25 = 2,376 2,401 - 49 = 2,352 2,401 - 121 =																					