

Table 108b Make_BIM_different Axis: 1st Parallel Diagonal

Table 108b Make BIM with different Axis: 1st Parallel Diagonal

line	Axis # = x	PD	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39
0	0	0	-1	-9	-25	-49	-81	-121	-169	-225	-289	-361	-441	-529	-625	-729	-841	-961	-1089	-1225	-1369	-1521
1	1	1	1	-8	-24	-48	-80	-120	-168	-224	-288	-360	-440	-528	-624	-728	-840	-960	-1088	-1224	-1368	-1520
2	3	9	8	9	-16	-40	-72	-112	-160	-216	-280	-352	-432	-520	-616	-720	-832	-952	-1080	-1216	-1360	-1512
3	5	25	24	16	25	-24	-56	-96	-144	-200	-264	-336	-416	-504	-600	-704	-816	-936	-1064	-1200	-1344	-1496
4	7	49	48	40	24	49	-32	-72	-120	-176	-240	-312	-392	-480	-576	-680	-792	-912	-1040	-1176	-1320	-1472
5	9	81	80	72	56	32	81	-40	-88	-144	-208	-280	-360	-448	-544	-648	-760	-880	-1008	-1144	-1288	-1440
6	11	121	120	112	96	72	40	121	-48	-104	-168	-240	-320	-408	-504	-608	-720	-840	-968	-1104	-1248	-1400
7	13	169	168	160	144	120	88	48	169	-56	-120	-192	-272	-360	-456	-560	-672	-792	-920	-1056	-1200	-1352
8	15	225	224	216	200	176	144	104	56	225	-64	-136	-216	-304	-400	-504	-616	-736	-864	-1000	-1144	-1296
9	17	289	288	280	264	240	208	168	120	64	289	-72	-152	-240	-336	-440	-552	-672	-800	-936	-1080	-1232
10	19	361	360	352	336	312	280	240	192	136	72	361	-80	-168	-264	-368	-480	-600	-728	-864	-1008	-1160
11	21	441	440	432	416	392	360	320	272	216	152	80	441	-88	-184	-288	-400	-520	-648	-784	-928	-1080
12	23	529	528	520	504	480	448	408	360	304	240	168	88	529	-96	-200	-312	-432	-560	-696	-840	-992
13	25	625	624	616	600	576	544	504	456	400	336	264	184	96	625	-104	-216	-336	-464	-600	-744	-896
14	27	729	728	720	704	680	648	608	560	504	440	368	288	200	104	729	-112	-232	-360	-496	-640	-792
15	29	841	840	832	816	792	760	720	672	616	552	480	400	312	216	112	841	-120	-248	-384	-528	-680
16	31	961	960	952	936	912	880	840	792	736	672	600	520	432	336	232	120	961	-128	-264	-408	-560
17	33	1089	1088	1080	1064	1040	1008	968	920	864	800	728	648	560	464	360	248	128	1089	-136	-280	-432
18	35	1225	1224	1216	1200	1176	1144	1104	1056	1000	936	864	784	696	600	496	384	264	136	1225	-144	-296
19	37	1369	1368	1360	1344	1320	1288	1248	1200	1144	1080	1008	928	840	744	640	528	408	280	144	1369	-152
20	39	1521	1520	1512	1496	1472	1440	1400	1352	1296	1232	1160	1080	992	896	792	680	560	432	296	152	1521

Table 108b Make_BIM_different Axis: 1st Parallel Diagonal

To grow PD Col, select and expand to the bottom and then fill left column by autofill, PD column will auto fill from this

\$PD # = x^2 - 16 is formula for expanding Columns, must change 16 -> 25, 36, 49, ... to fill out the grid. Here the resulting PD=Blue 0. Replace these with the actual PD values from Col. C.

One can make a 200x200 BIM, by adding columns out to $x^2 - 40000$, i.e., Axis Column 200.

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