

Table 24-1

Axis	Axis ²	1	2	3	4	5		
1	1	1						
2	4	1	3	4				
3	9	2	8	5	9			
4	16		15	12	7	16		
5	25	4	24	21	16	9	25	
6	36		35	32	27	20	11	
7	49	6	48	45	40	33	2	24
8	64		63	60	55	48	39	
9	81		80	77	72	65	56	
10	100		99	96	91	84	75	
11	121	10	120	117	112	105	6	96
12	144		143	140	135	128	119	
13	169	12	168	165	160	153	8	144
14	196		195	192	187	180	171	
15	225		224	221	216	209	200	
16	256		255	252	247	240	231	
17	289	16	288	285	280	273	12	264
18	324		323	320	315	308	299	
19	361	18	360	357	352	345	14	336
20	400		399	396	391	384	375	
21	441		440	437	432	425	416	
22	484		483	480	475	468	459	
23	529	22	528	525	520	513	18	504
24	576		575	572	567	560	551	
25	625	24	624	621	616	609	20	600
26	676		675	672	667	660	651	
27	729		728	725	720	713	704	
28	784		783	780	775	768	759	
29	841	28	840	837	832	825	24	816
30	900		899	896	891	884	875	
31	961	30	960	957	952	945	26	936
32	1024		1023	1020	1015	1008	999	
33	1089		1088	1085	1080	1073	1064	
34	1156		1155	1152	1147	1140	1131	
35	1225	34	1224	1221	1216	1209	30	200
36	1296		1295	1292	1287	1280	1271	
37	1369	36	1368	1365	1360	1353	32	1344
38	1444		1443	1440	1435	1428	1419	
39	1521		1520	1517	1512	1505	1496	
40	1600		1599	1596	1591	1584	1575	
41	1681	40	1680	1677	1672	1665	36	656
42	1764		1763	1760	1755	1748	1739	
43	1849	42	1848	1845	1840	1833	36	824
44	1936		1935	1932	1927	1920	1911	
45	2025		2024	2021	2016	2009	2000	
46	2116		2115	2112	2107	2100	2091	
47	2209	46	2208	2205	2200	2193	42	184
48	2304		2303	2300	2295	2288	2279	
49	2401	48	2400	2397	2392	2385	44	376
50	2500		2499	2496	2491	2484	2475	
51	2601		2600	2597	2592	2585	2576	
52	2704		2703	2700	2695	2688	2679	
53	2809	52	2808	2805	2800	2793	48	784
54	2916		2915	2912	2907	2900	2891	
55	3025	54	3024	3021	3016	3009	50	3000
56	3136		3135	3132	3127	3120	3111	
57	3249		3248	3245	3240	3233	3224	
58	3364		3363	3360	3355	3348	3339	
59	3481	58	3480	3477	3472	3465	54	456
60	3600		3599	3596	3591	3584	3575	
61	3721	60	3720	3717	3712	3705	56	3696
62	3844		3843	3840	3835	3828	3819	
63	3969		3968	3965	3960	3953	3944	
64	4096		4095	4092	4087	4080	4071	
65	4225	64	4224	4221	4216	4209	60	200
66	4356		4355	4352	4347	4340	4331	
67	4489	66	4488	4485	4480	4473	62	464
68	4624		4623	4620	4615	4608	4599	
69	4761		4760	4757	4752	4745	4736	
70	4900		4899	4896	4891	4884	4875	
71	5041	70	5040	5037	5032	5025	66	016
72	5184		5183	5180	5175	5168	5159	
73	5329	72	5328	5325	5320	5313	68	304
74	5476		5475	5472	5467	5460	5451	
75	5625		5624	5621	5616	5609	5600	
76	5776		5775	5772	5767	5760	5751	
77	5929	76	5928	5925	5920	5913	72	904
78	6084		6083	6080	6075	6068	6059	
79	6241	78	6240	6237	6232	6225	74	6216
80	6400		6399	6396	6391	6384	6375	
81	6561		6560	6557	6552	6545	6536	
82	6724		6723	6720	6715	6708	6699	
83	6889	82	6888	6885	6880	6873	78	864
84	7056		7055	7052	7047	7040	7031	
85	7225	84	7224	7221	7216	7209	80	7200
86	7396		7395	7392	7387	7380	7371	
87	7569		7568	7565	7560	7553	7544	
88	7744		7743	7740	7735	7728	7719	
89	7921	88	7920	7917	7912	7905	84	896
90	8100		8099	8096	8091	8084	8075	
91	8281	90	8280	8277	8272	8265	86	256
92	8464		8463	8460	8455	8448	8439	
93	8649		8648	8645	8640	8633	8624	
94	8836		8835	8832	8827	8820	8811	
95	9025	94	9024	9021	9016	9009	90	000
96	9216		9215	9212	9207	9200	9191	
97	9409	96	9408	9405	9400	9393	92	9384
98	9604		9603	9600	9595	9588	9579	
99	9801		9800	9797	9792	9785	9776	
100	10000		9999	9996	9991	9984	9975	

BBS-ISL Matrix: 5x100

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SUB-MATRIX 2: BASE

Sub-matrix: Cell values/grid

= cell/grid

4 Example:
24/6=4

These Sub-matrix values:

- ALL PPTs have Col 1 ÷4
- NO PPTs have Col 1 NOT ÷4
- For any given Active Rows Set, only 1 Row is a ÷4 Row
- SOME Col 1 ÷4 Rows are NOT PPTs (★)
- The NOT PPTs (★) Axis #s are ÷Prime Factors*.

Remember: $r=(a+b) - c$

Fool-proof Steps to Find ALL PPTs

- Axis# must be ODD, NOT ÷3 = Active Row Set (ARS) member
- Only 1 of the 2 ARS can be a PPT
- Sub-Matrix Col 1 # MUST be ÷4
- SOME may NOT be PPT if ÷Prime Factor (>5)
- Remaining Axis # is a PPT.

Exceptions:

Squared #s that are PPTs, remain PPTs when x^2 or \sqrt{x} ,
Squared #s that are NOT, remain NOT when x^2 or \sqrt{x} .

Active Rows in PURPLE Bands

• = PPTs with BLACK Dot

• = PRIME Numbers - RED Circles

• = PRIME + PPT

→ = Active Row with NO PRIME / PPT
(PPT is on OTHER ARS member slot)

• = Active Row with PPT, NO PRIME
(PPT is on THIS ARS member slot)

★ = Active Row with NO PPT/ PRIME
(PPT is NORMALLY on THIS ARS member slot, but is ÷PRIME)

Axis #s PPTs	Axis #s NOT PPTs ÷PrimeFactors
3 4 5	49 / 7 = 7
5 12 13	77 / 7 = 11
8 15 17	77 / 11 = 7
7 24 25	
20 21 29	
12 35 37	
9 40 41	
28 45 53	
11 60 61	
33 56 65	
16 63 65	
48 55 73	
36 77 85	
13 84 85	
39 80 89	
65 72 97	
20 99 101	
60 91 109	
15 112 113	
44 117 125	
88 105 137	
24 143 145	
17 144 145	
51 140 149	
85 132 157	121 / 11 = 11
119 120 169	133 / 7 = 19
52 165 173	133 / 19 = 7
19 180 181	161 / 7 = 23
104 153 185	161 / 23 = 7
57 176 185	
95 168 193	
28 195 197	
133 156 205	
84 187 205	
140 171 221	
21 220 221	
60 221 229	209 / 11 = 19
105 208 233	209 / 19 = 11
120 209 241	217 / 7 = 31
32 255 257	217 / 31 = 7
96 247 265	245 / 7 = 35
23 264 265	253 / 23 = 11
69 260 269	253 / 11 = 23
115 252 277	
160 231 281	
161 240 289	
68 285 293	
207 224 305	
136 273 305	
25 312 313	
75 308 317	
204 253 325	301 / 7 = 43
36 323 325	329 / 7 = 47
175 288 337	341 / 11 = 31
180 299 349	341 / 31 = 11
225 272 353	361 / 19 = 19
76 357 365	385 / 7 = 55
27 364 365	385 / 11 = 35
252 275 373	
152 345 377	
135 352 377	
189 340 389	
228 325 397	

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