

Table 24-1

Axis	Axis <sup>2</sup>	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	

# BBS-ISL Matrix: 5x50

Copyright©2018, Reginald Brooks. Brooks Design. All rights reserved.

## 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<sup>2</sup> or √x,  
 Squared #s that are NOT, remain NOT when x<sup>2</sup> or √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	
5 12 13	
8 15 17	
7 24 25	
20 21 29	
12 35 37	
9 40 41	
	49 / 7 = 7