BBS-ISL Matrix

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137x137

35x35

25x25

20x20

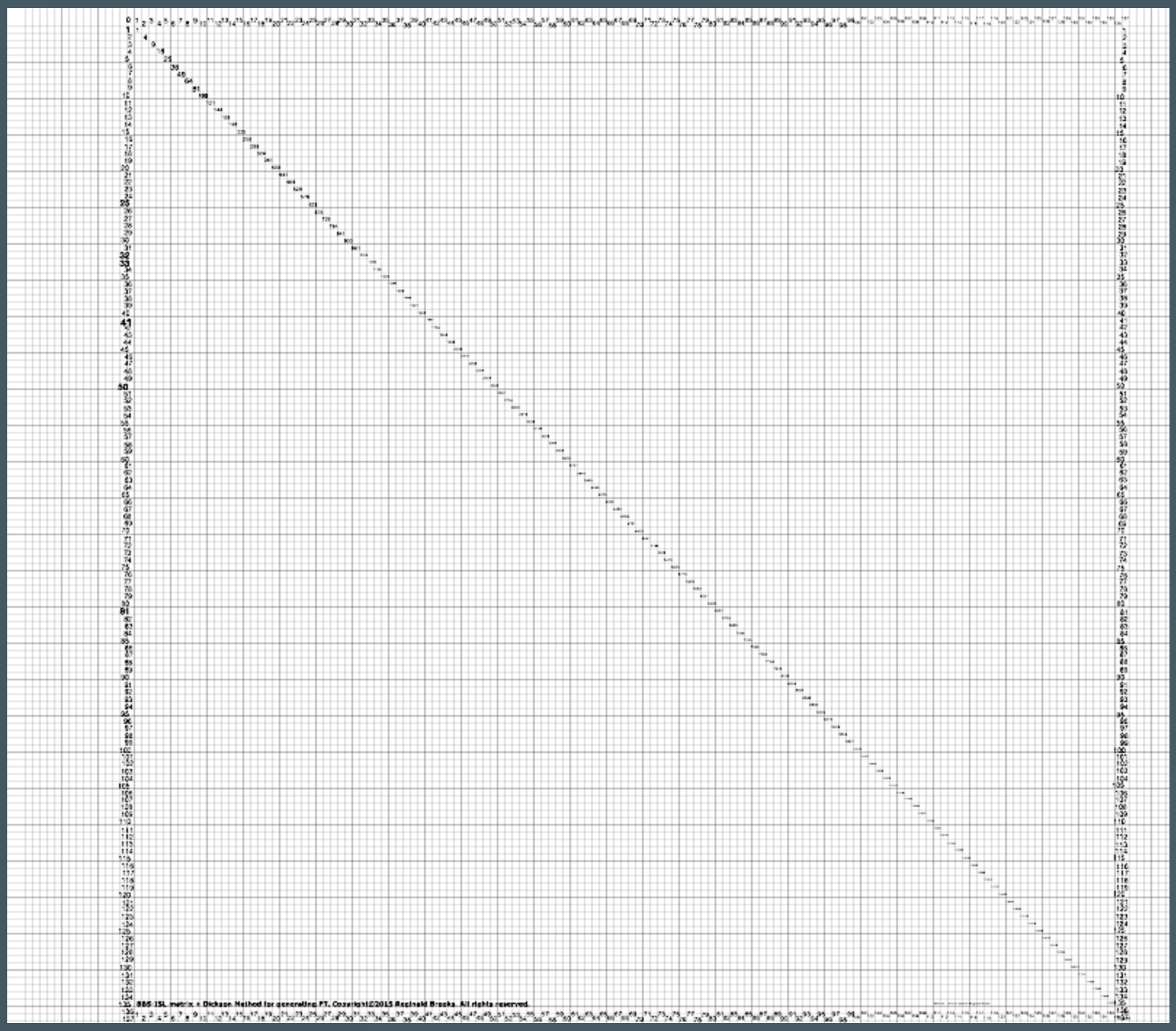
15x15

10x10

5x5

BBS-ISL Matrix

137x137


BBS-ISL matrix + Dickson Method for generating PT. Copyright©2015 Reginald Brooks. All rights reserved.

BBS-ISL Matrix

35x35

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1	1	3	6	15	24	35	48	63	80	99	120	143	168	195	224	255	288	323	360	399	440	483	528	575	624	675	728	783	840	899	960	1023	1088	1155	1224
2	3	4	5	12	21	32	45	60	77	96	117	140	165	192	221	252	285	320	357	396	437	480	525	572	621	672	725	780	837	896	957	1020	1085	1152	1221
3	6	5	9	7	16	27	40	55	72	91	112	135	160	187	216	247	280	315	352	391	432	475	520	567	616	667	720	775	832	891	952	1015	1080	1147	1216
4	15	12	7	16	9	20	33	48	65	84	105	128	153	180	209	240	273	308	345	384	425	468	513	560	609	660	713	768	825	884	945	1008	1073	1140	1209
5	24	21	16	9	25	11	24	39	56	75	96	119	144	171	200	231	264	299	336	375	416	459	504	551	600	651	704	759	816	875	936	999	1064	1131	1200
6	35	32	27	20	11	36	13	28	45	64	85	108	133	160	189	220	253	288	325	364	405	448	493	540	589	640	693	748	805	864	925	988	1053	1120	1189
7	48	45	40	33	24	13	49	15	32	51	72	95	120	147	176	207	240	275	312	351	392	435	480	527	576	627	680	735	792	851	912	975	1040	1107	1176
8	63	60	55	48	39	28	15	64	17	36	57	80	105	132	161	192	225	260	297	336	377	420	465	512	561	612	665	720	777	836	897	960	1025	1092	1161
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13	168	165	160	153	144	133	120	105	88	69	48	25	169	27	56	87	120	155	192	231	272	315	360	407	456	507	560	615	672	731	792	855	920	987	1056
14	195	192	187	180	171	160	147	132	115	96	75	52	27	196	29	60	93	128	165	204	245	288	333	380	429	480	533	588	645	704	765	828	893	960	1029
15	224	221	216	209	200	189	176	161	144	125	104	81	56	29	225	31	64	99	136	175	216	259	304	351	400	451	504	559	616	675	736	799	864	931	1000
16	255	252	247	240	231	220	207	192	175	156	135	112	87	60	31	256	33	68	105	144	185	228	273	320	369	420	473	528	585	644	705	768	833	900	969
17	288	285	280	273	264	253	240	225	208	189	168	145	120	93	64	33	289	35	72	111	152	195	240	287	336	387	440	495	552	611	672	735	800	867	936
18	323	320	315	308	299	288	275	260	243	224	203	180	155	128	99	68	35	324	37	76	117	160	205	252	301	352	405	460	517	576	637	700	765	832	901
19	360	357	352	345	336	325	312	297	280	261	240	217	192	165	136	105	72	37	361	39	80	123	168	215	264	315	368	423	480	539	600	663	728	795	864
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21	440	437	432	425	416	405	392	377	360	341	320	297	272	245	216	185	152	117	80	41	441	43	88	135	184	235	288	343	400	459	520	583	648	715	784
22	483	480	475	468	459	448	435	420	403	384	363	340	315	288	259	228	195	160	123	84	43	484	45	92	141	192	245	300	357	416	477	540	605	672	741
23	528	525	520	513	504	493	480	465	448	429	408	385	360	333	304	273	240	205	168	129	88	45	529	47	96	147	200	255	312	371	432	495	560	627	696
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25	624	621	616	609	600	589	576	561	544	525	504	481	456	429	400	369	336	301	264	225	184	141	96	49	625	51	104	159	216	275	336	399	464	531	600
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33	1088	1085	1080	1073	1064	1053	1040	1025	1008	989	968	945	920	893	864	833	800	765	728	689	648	605	560	513	464	413	360	305	248	189	128	65	1089	67	136
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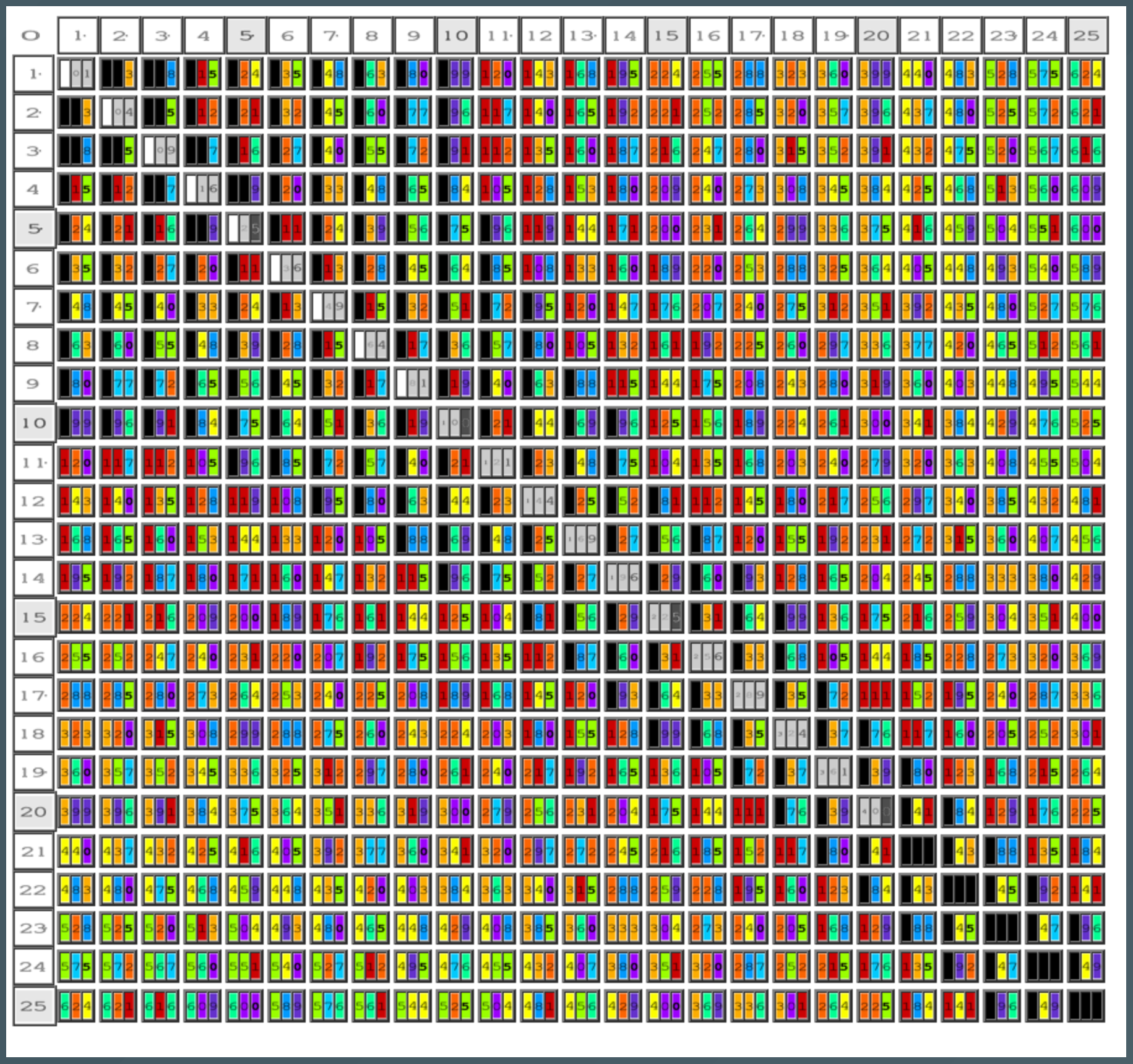
BBS-ISL Matrix

25x25



BBS-ISL Matrix

20x20

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4	15	12	7	16	9	20	33	48	65	84	105	128	153	180	209	240	273	308	345	384
5	24	21	16	9	25	11	24	39	56	75	96	119	144	171	200	231	264	299	336	375
6	35	32	27	20	11	36	13	28	45	64	85	108	133	160	189	220	253	288	325	364
7	48	45	40	33	24	13	49	15	32	51	72	95	120	147	176	207	240	275	312	351
8	63	60	55	48	39	28	15	64	17	36	57	80	105	132	161	192	225	260	297	336
9	80	77	72	65	56	45	32	17	81	19	40	63	88	115	144	175	208	243	280	319
10	99	96	91	84	75	64	51	36	19	100	21	44	69	96	125	156	189	224	261	300
11	120	117	112	105	96	85	72	57	40	21	121	23	48	75	104	135	168	203	240	279
12	143	140	135	128	119	108	95	80	63	44	23	144	25	52	81	112	145	180	217	256
13	168	165	160	153	144	133	120	105	88	69	48	25	169	27	56	87	120	155	192	231
14	195	192	187	180	171	160	147	132	115	96	75	52	27	196	29	60	93	128	165	204
15	224	221	216	209	200	189	176	161	144	125	104	81	56	29	225	31	64	99	136	175
16	255	252	247	240	231	220	207	192	175	156	135	112	87	60	31	256	33	68	105	144
17	288	285	280	273	264	253	240	225	208	189	168	145	120	93	64	33	289	35	72	111
18	323	320	315	308	299	288	275	260	243	224	203	180	155	128	99	68	35	324	37	76
19	360	357	352	345	336	325	312	297	280	261	240	217	192	165	136	105	72	37	361	39
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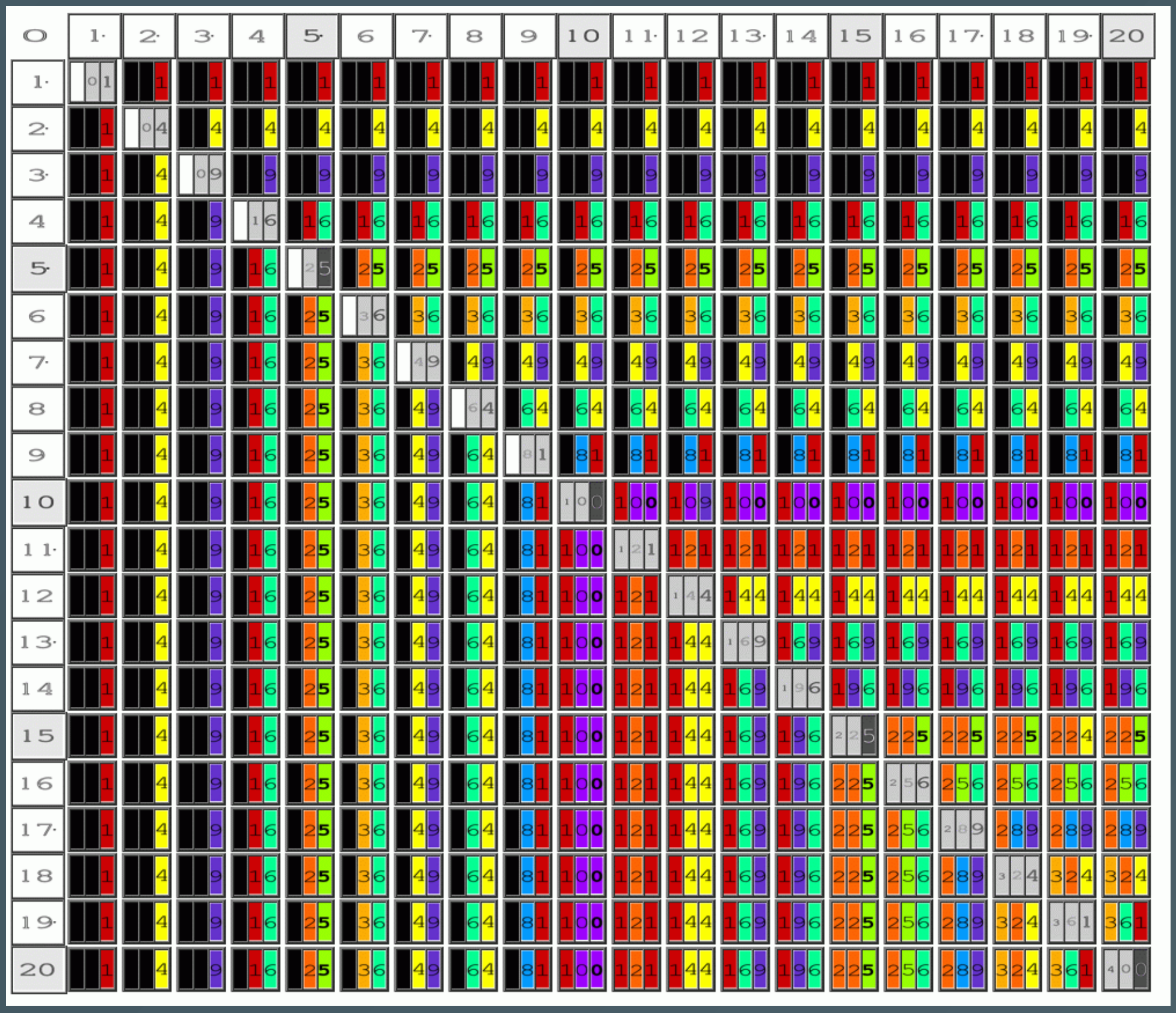
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

BBS-ISL Matrix

15x15

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5	24	21	16	9	25	11	24	39	56	75	96	119	144	171	200
6	35	32	27	20	11	36	13	28	45	64	85	108	133	160	189
7	48	45	40	33	24	13	49	15	32	51	72	95	120	147	176
8	63	60	55	48	39	28	15	64	17	36	57	80	105	132	161
9	80	77	72	65	56	45	32	17	81	19	40	63	88	115	144
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11	120	117	112	105	96	85	72	57	40	21	121	23	48	75	104
12	143	140	135	128	119	108	95	80	63	44	23	144	25	52	81
13	168	165	160	153	144	133	120	105	88	69	48	25	169	27	56
14	195	192	187	180	171	160	147	132	115	96	75	52	27	196	29
15	224	221	216	209	200	189	176	161	144	125	104	81	56	29	225

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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3	1	4	0 9	9	9	9	9	9	9	9	9	9	9	9	9
4	1	4	9	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
5	1	4	9	1 6	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5
6	1	4	9	1 6	2 5	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6
7	1	4	9	1 6	2 5	3 6	4 9	4 9	4 9	4 9	4 9	4 9	4 9	4 9	4 9
8	1	4	9	1 6	2 5	3 6	4 9	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4
9	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	8 1	8 1	8 1	8 1	8 1	8 1
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11	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	1 0 0	1 2 1	1 2 1	1 2 1	1 2 1	1 2 1
12	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	1 0 0	1 2 1	1 4 4	1 4 4	1 4 4	1 4 4
13	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	1 0 0	1 2 1	1 4 4	1 6 9	1 6 9	1 6 9
14	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	1 0 0	1 2 1	1 4 4	1 6 9	1 9 6	1 9 6
15	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	1 0 0	1 2 1	1 4 4	1 6 9	1 9 6	2 2 5

BBS-ISL Matrix

10x10

BBS-ISL Matrix: Highlight table row or column

0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	**1**	3	8	15	24	35	48	63	80	99
2	3	**4**	5	12	21	32	45	60	77	96
3	8	5	**9**	7	16	27	40	55	72	91
4	15	12	7	**16**	9	20	33	48	65	84
5	24	21	16	9	**25**	11	24	39	56	75
6	35	32	27	20	11	**36**	13	28	45	64
7	48	45	40	33	24	13	**49**	15	32	51
8	63	60	55	48	39	28	15	**64**	17	36
9	80	77	72	65	56	45	32	17	**81**	19
10	99	96	91	84	75	64	51	36	19	**100**

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0	1	2	3	4	5	6	7	8	9	10
1	01	1	1	1	1	1	1	1	1	1
2	1	04	4	4	4	4	4	4	4	4
3	1	4	09	9	9	9	9	9	9	9
4	1	4	9	16	16	16	16	16	16	16
5	1	4	9	16	25	25	25	25	25	25
6	1	4	9	16	25	36	36	36	36	36
7	1	4	9	16	25	36	49	49	49	49
8	1	4	9	16	25	36	49	64	64	64
9	1	4	9	16	25	36	49	64	81	81
10	1	4	9	16	25	36	49	64	81	100

O	1.	2.	3.	4	5.	6	7.	8	9	10
1.	01	3	8	15	24	35	48	63	80	99
2.	3	04	5	12	21	32	45	60	77	96
3.	8	5	09	7	16	27	40	55	72	91
4	15	12	7	16	9	20	33	48	65	84
5.	24	21	16	9	25	11	24	39	56	75
6	35	32	27	20	11	36	13	28	45	64
7.	48	45	40	33	24	13	49	15	32	51
8	63	60	55	48	39	28	15	64	17	36
9	80	77	72	65	56	45	32	17	81	19
10	99	96	91	84	75	64	51	36	19	100

0	1	2	3	4	5	6	7	8	9	10
1	0 1	1	1	1	1	1	1	1	1	1
2	1	0 4	4	4	4	4	4	4	4	4
3	1	4	0 9	9	9	9	9	9	9	9
4	1	4	9	1 6	1 6	1 6	1 6	1 6	1 6	1 6
5	1	4	9	1 6	2 5	2 5	2 5	2 5	2 5	2 5
6	1	4	9	1 6	2 5	3 6	3 6	3 6	3 6	3 6
7	1	4	9	1 6	2 5	3 6	4 9	4 9	4 9	4 9
8	1	4	9	1 6	2 5	3 6	4 9	6 4	6 4	6 4
9	1	4	9	1 6	2 5	3 6	4 9	6 4	8 1	8 1
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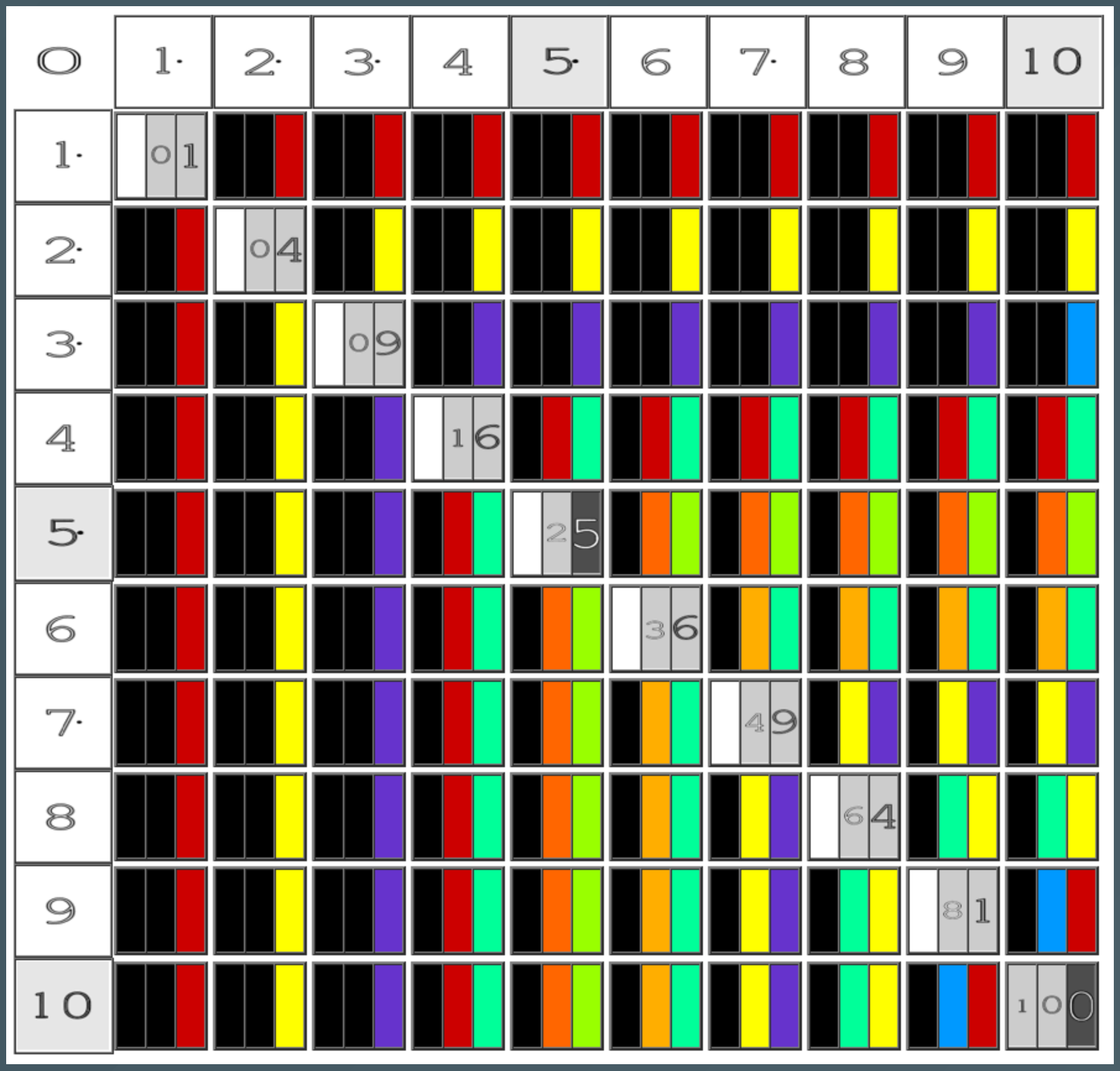
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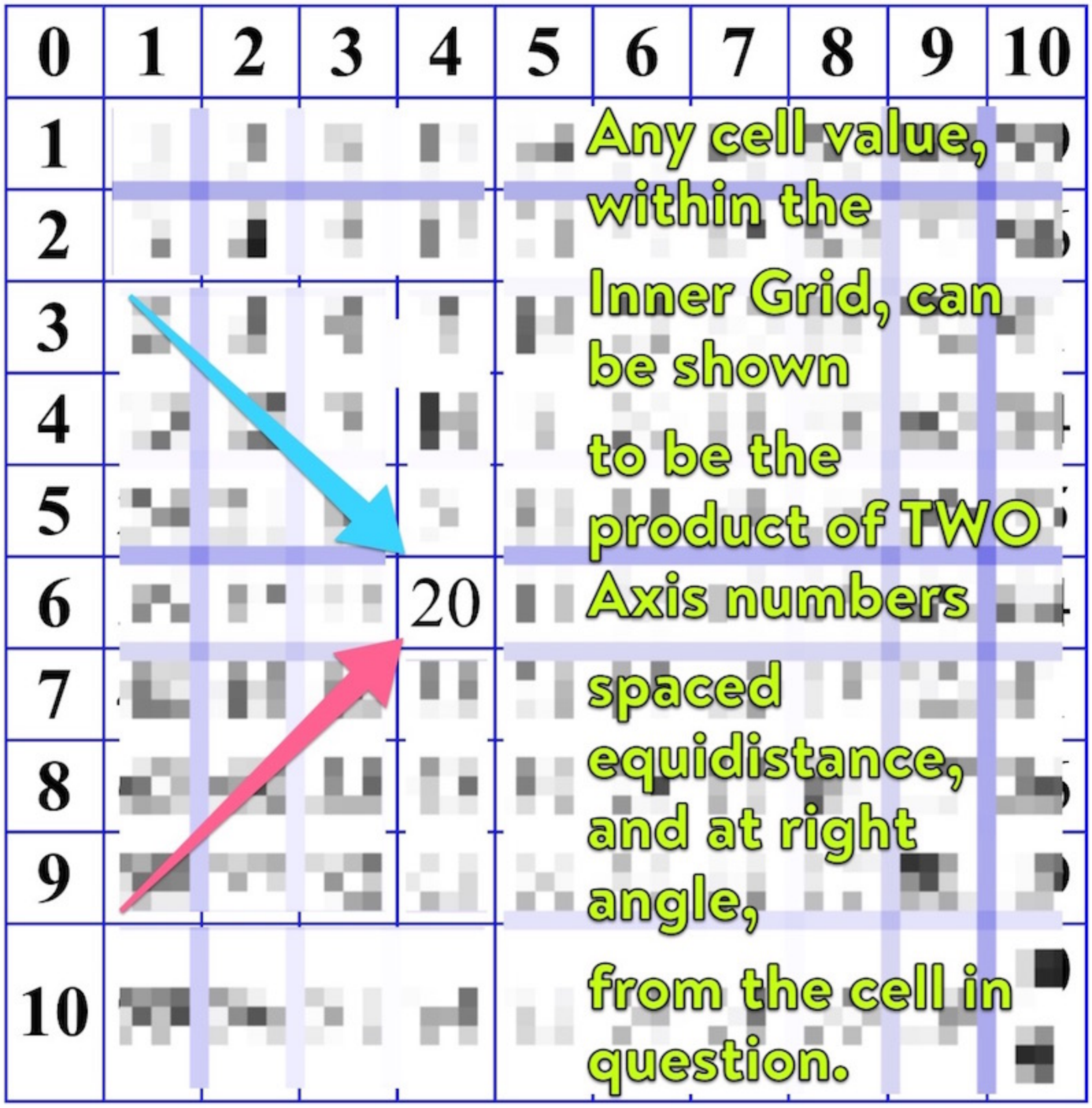
BBS-ISL Matrix: Highlight table row or column



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BBS-ISL Matrix: Highlight table row or column

0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	**1**	3	8	15	24	35	48	63	80	99
2	3	**4**	5	12	21	32	45	60	77	96
3	8	5	**9**	7	16	27	40	55	72	91
4	15	12	7	**16**	9	20	33	48	65	84
5	24	21	16	9	**25**	11	24	39	56	75
6	35	32	27	20	11	**36**	13	28	45	64
7	48	45	40	33	24	13	**49**	15	32	51
8	63	60	55	48	39	28	15	**64**	17	36
9	80	77	72	65	56	45	32	17	**81**	19
10	99	96	91	84	75	64	51	36	19	**100**

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BBS-ISL Matrix: Highlight table row or column

0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	**1**	3	8	15	24	35	48	63	80	99
2	3	**4**	5	12	21	32	45	60	77	96
3	[illegible]	[illegible]	**9**	7	16	27	40	55	72	91
4	[illegible]	[illegible]	7	**16**	9	20	33	48	65	84
5	[illegible]	[illegible]	16	9	**25**	11	24	39	56	75
6	[illegible]	[illegible]	27	20	11	**36**	13	28	45	64
7	[illegible]	[illegible]	40	[illegible]	24	13	**49**	15	32	51
8	[illegible]	[illegible]	55	[illegible]	39	28	15	**64**	17	36
9	[illegible]	[illegible]	72	[illegible]	56	45	32	17	**81**	19
10	99	96	91	84	75	64	51	36	19	**100**

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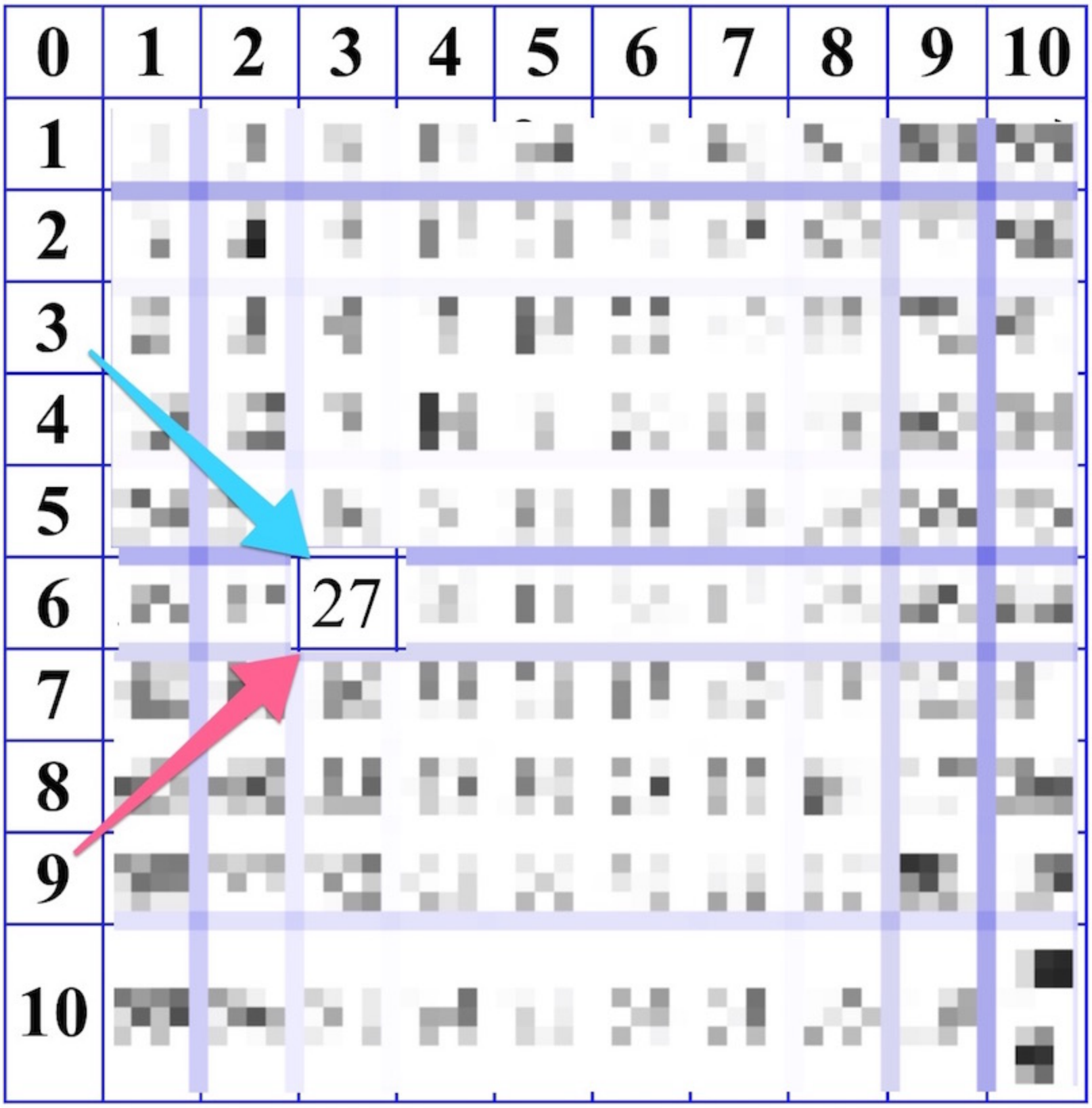
BBS-ISL Matrix: Highlight table row or column



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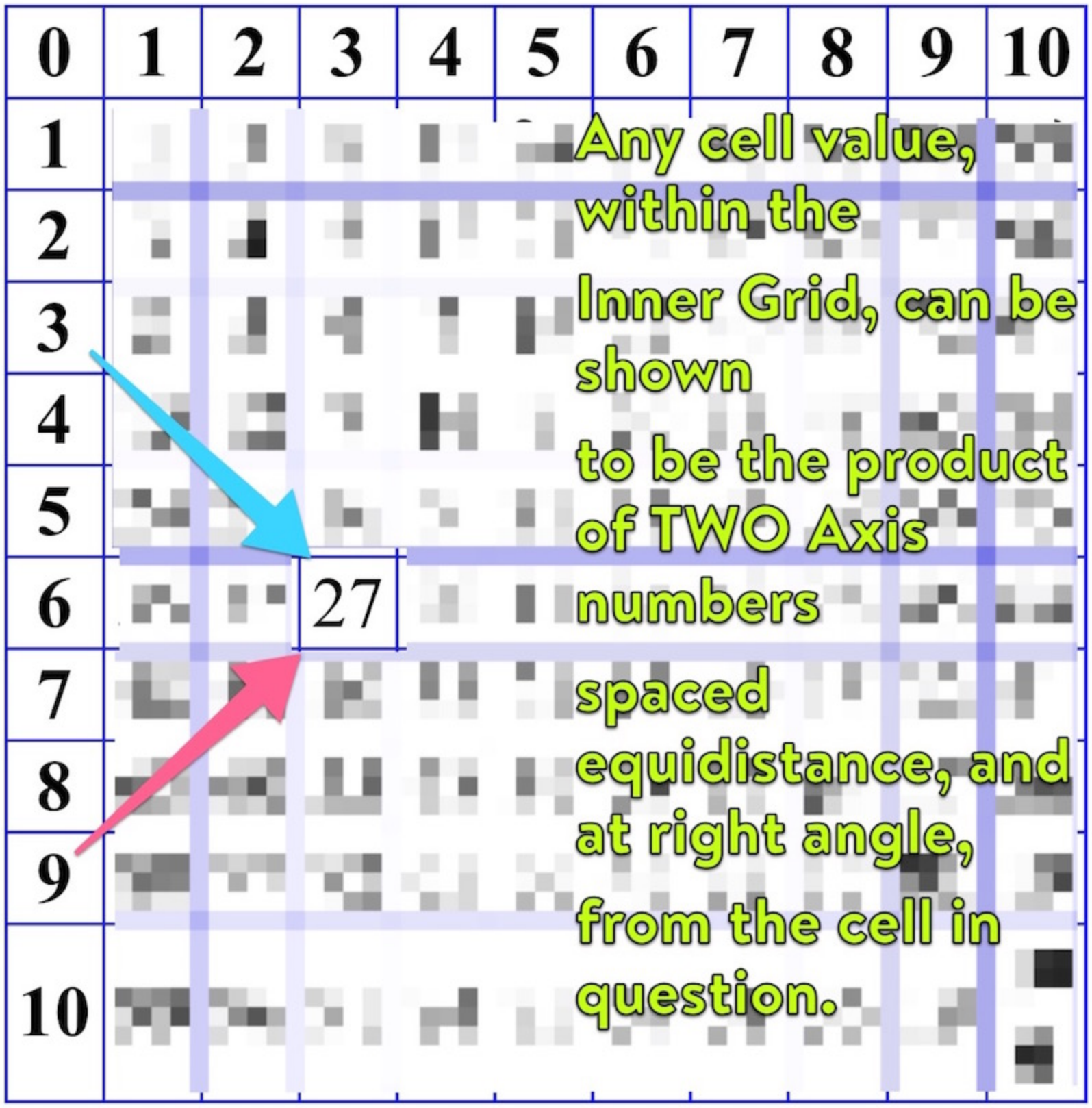
BBS-ISL Matrix: Highlight table row or column



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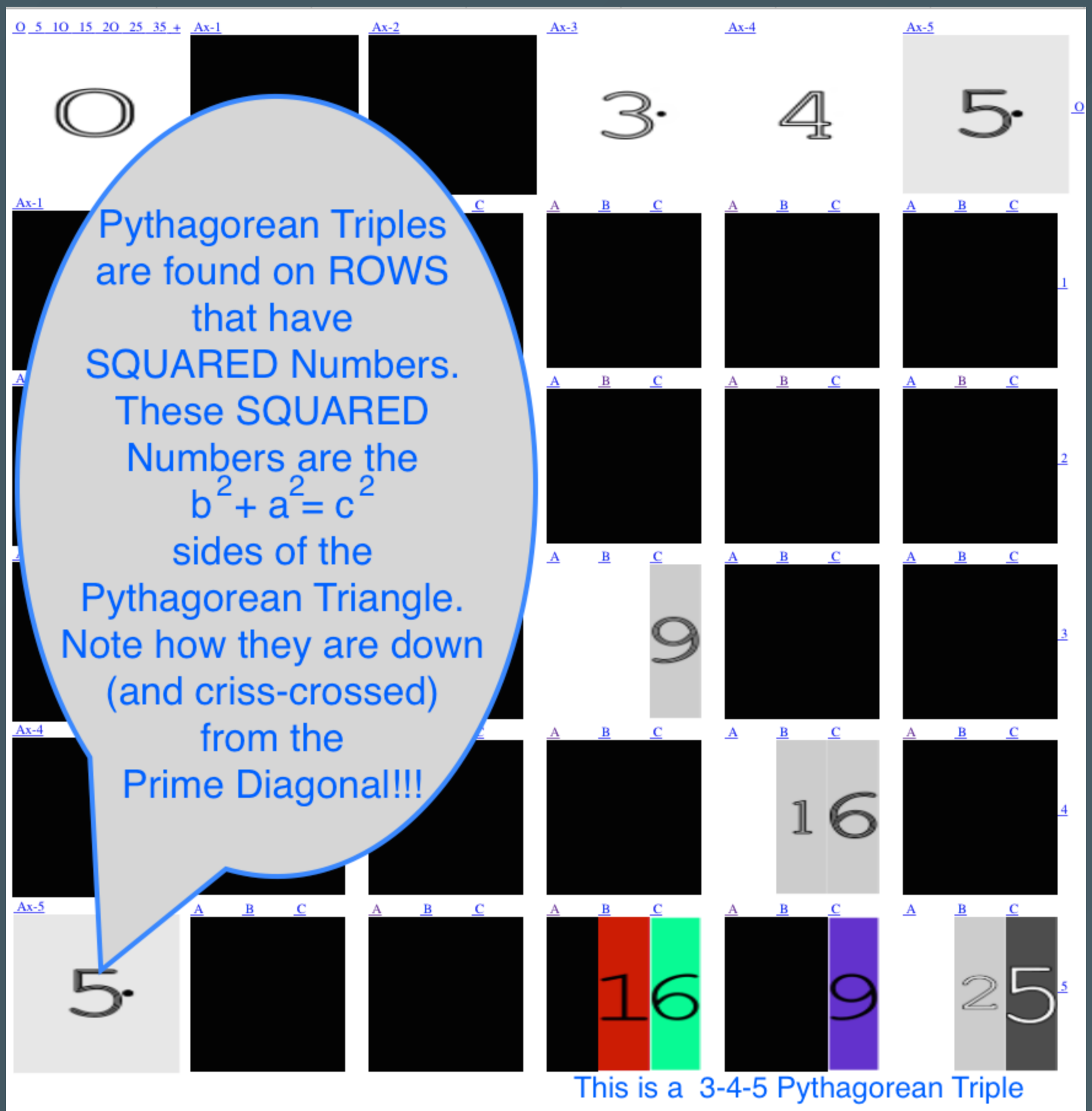
BBS-ISL Matrix

5x5



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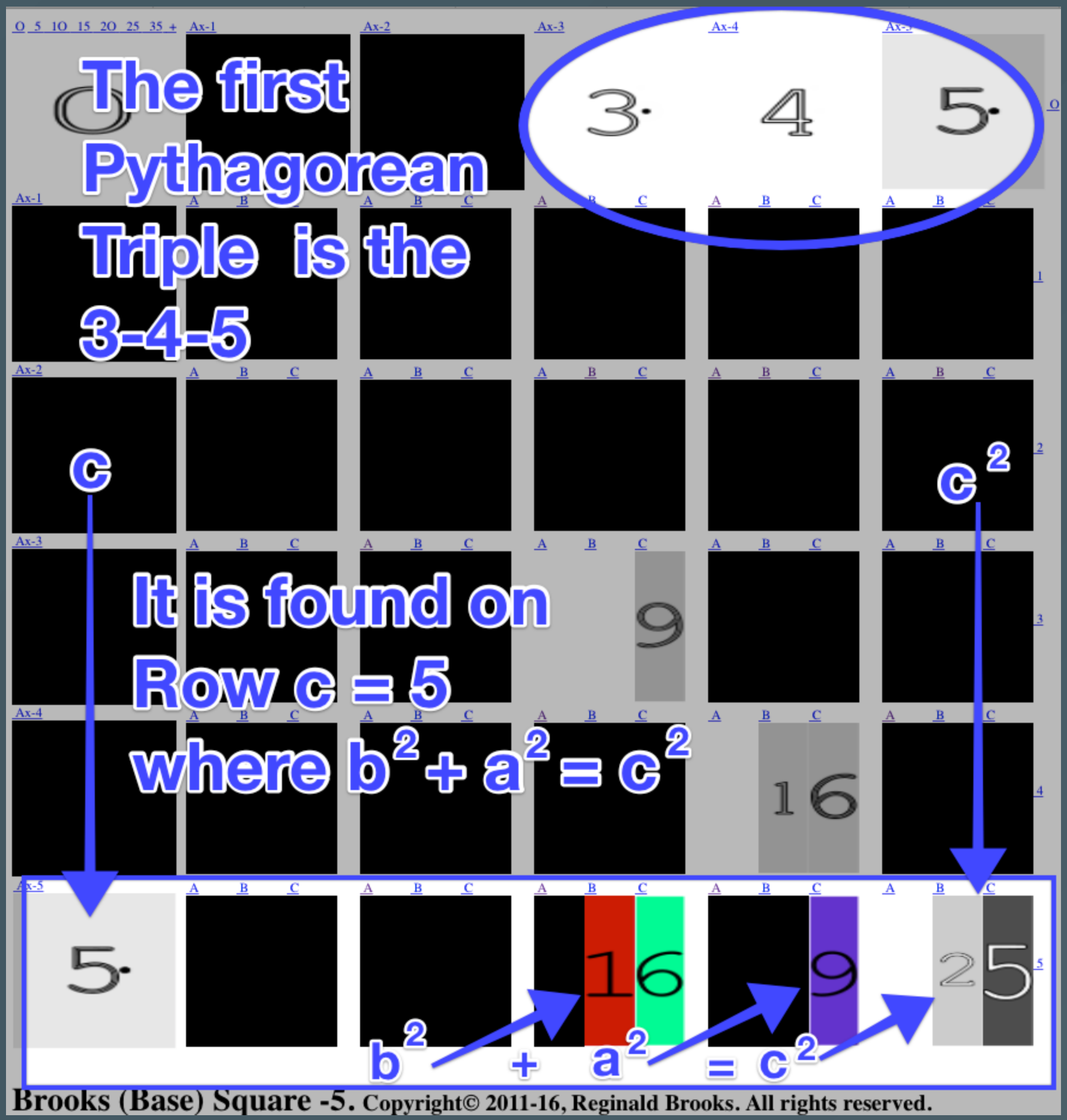
The first Pythagorean Triple is the 3-4-5
It is found on Row c = 5 where b² + a² = c²
c
c²
3
4
5
9
16
5
16
9
25
b² + a² = c²
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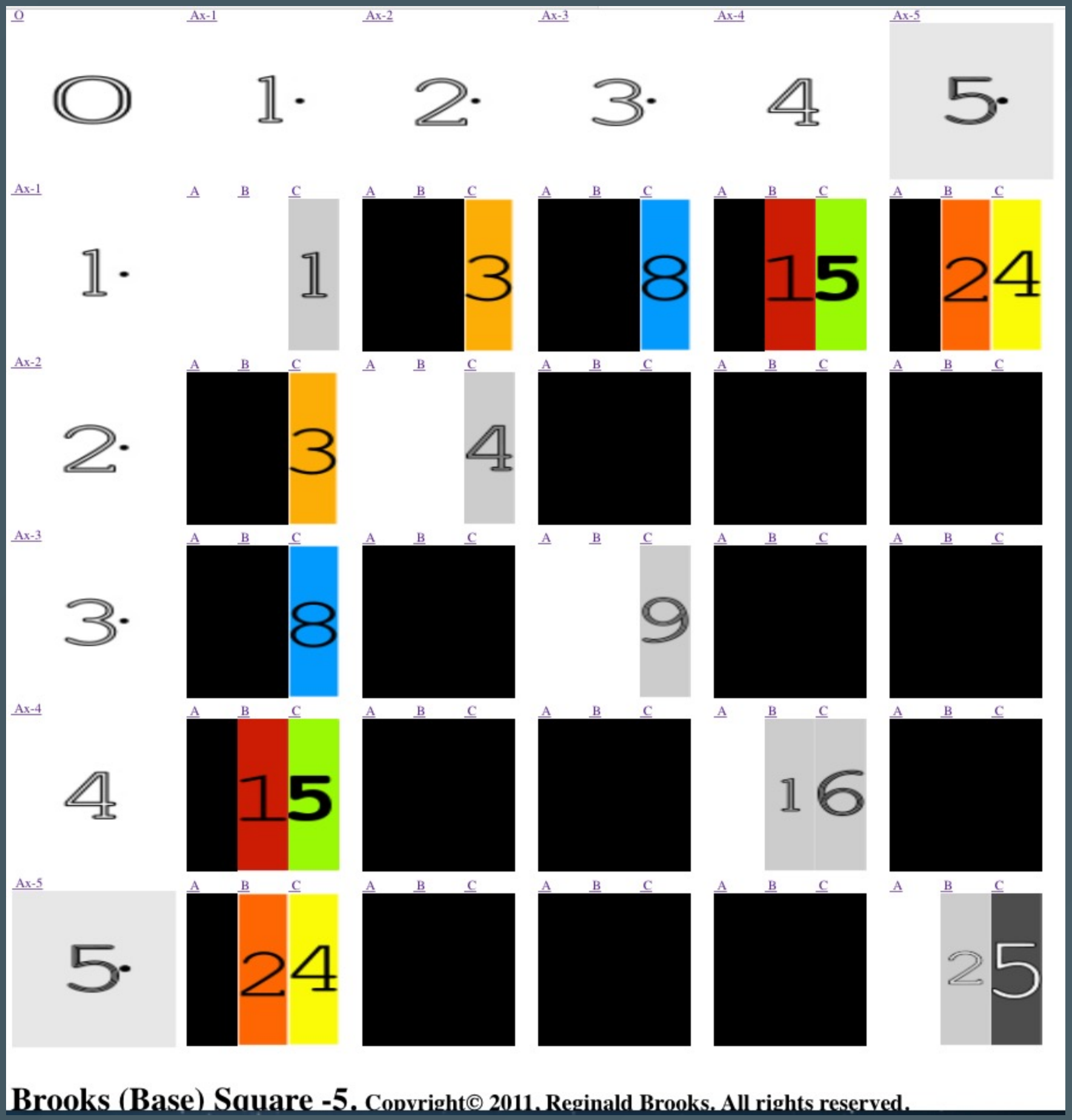
O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
A B C
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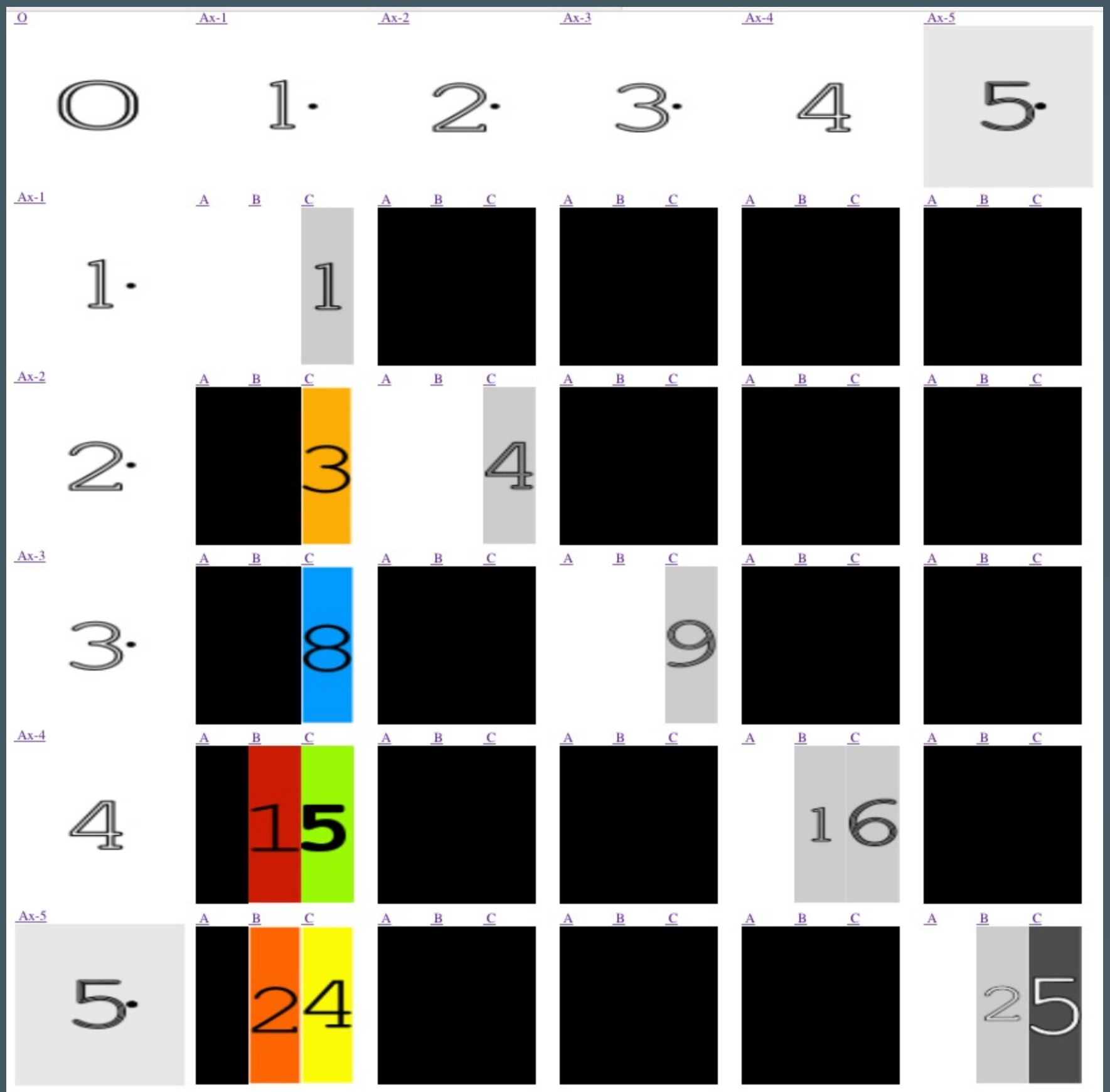

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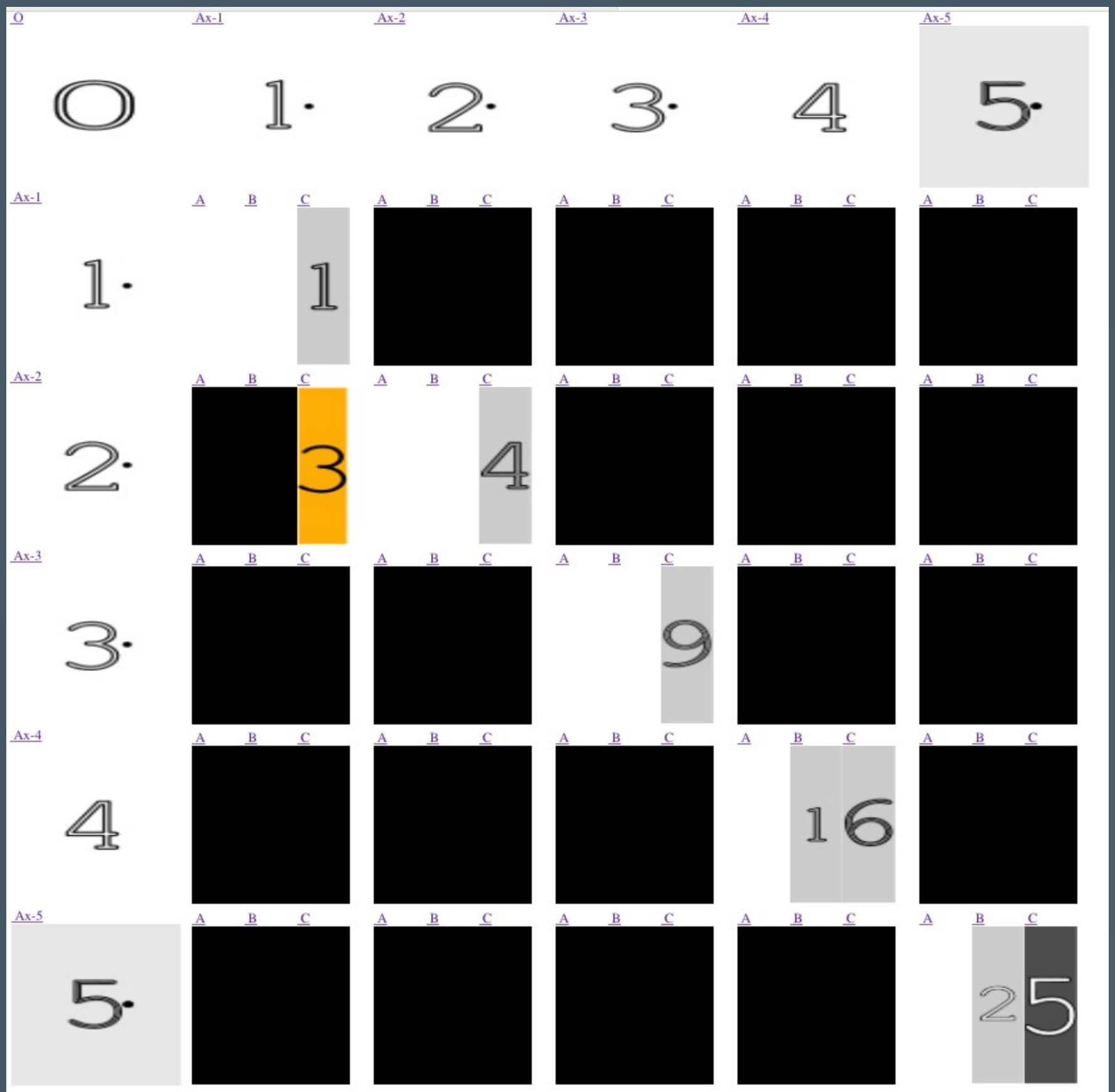

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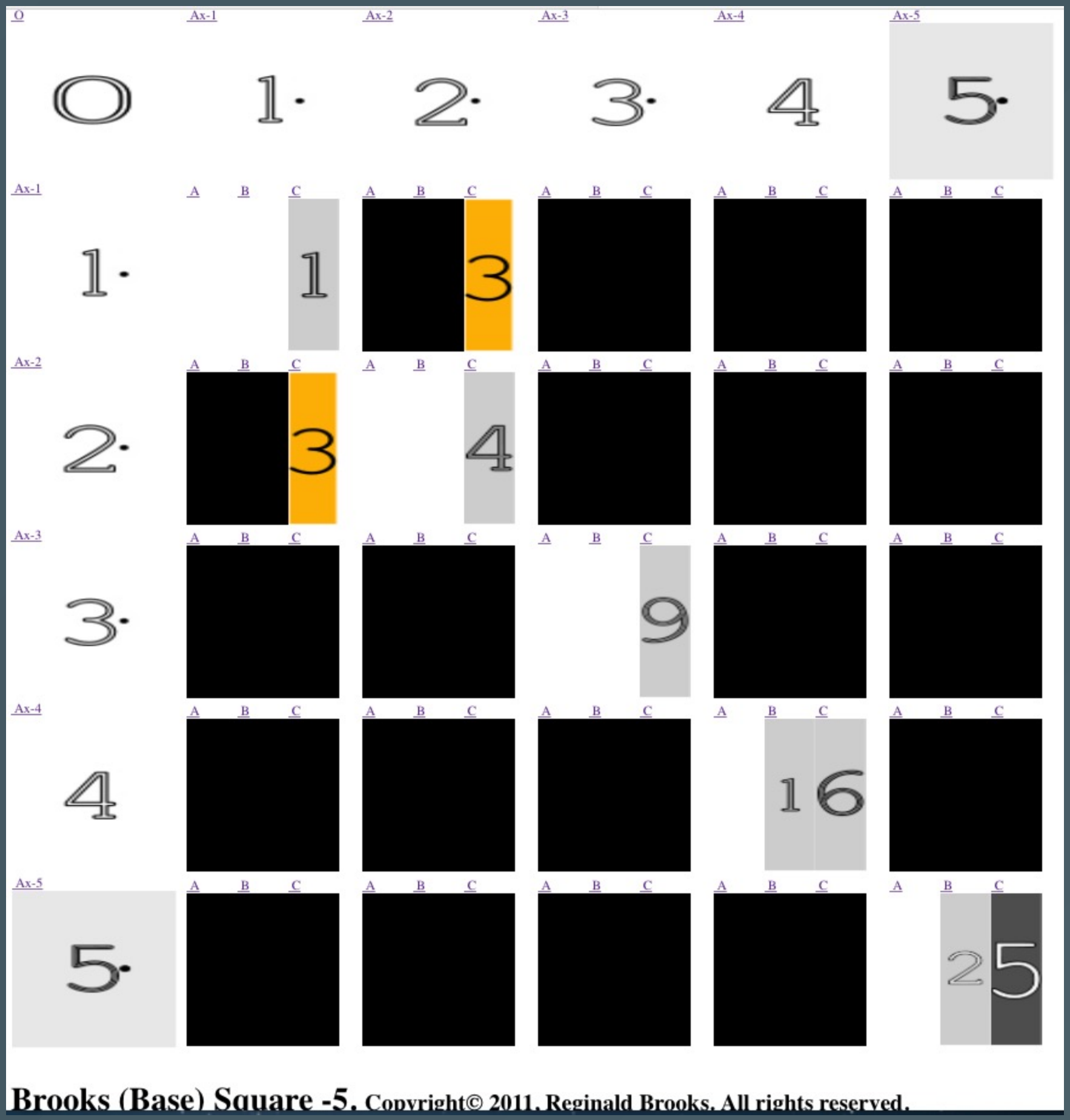

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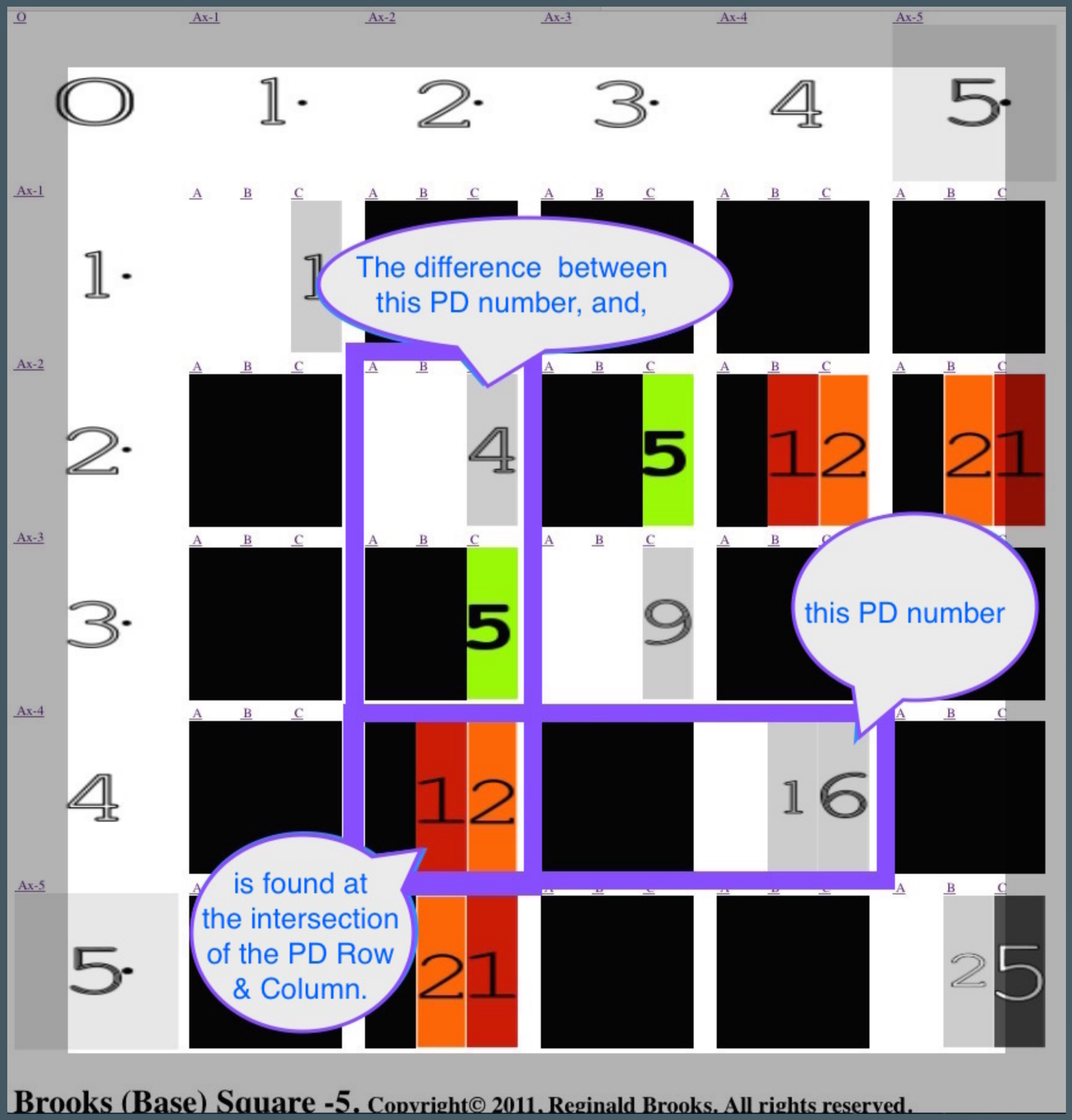
The difference between this PD number, and,
this PD number
is found at the intersection of the PD Row & Column.
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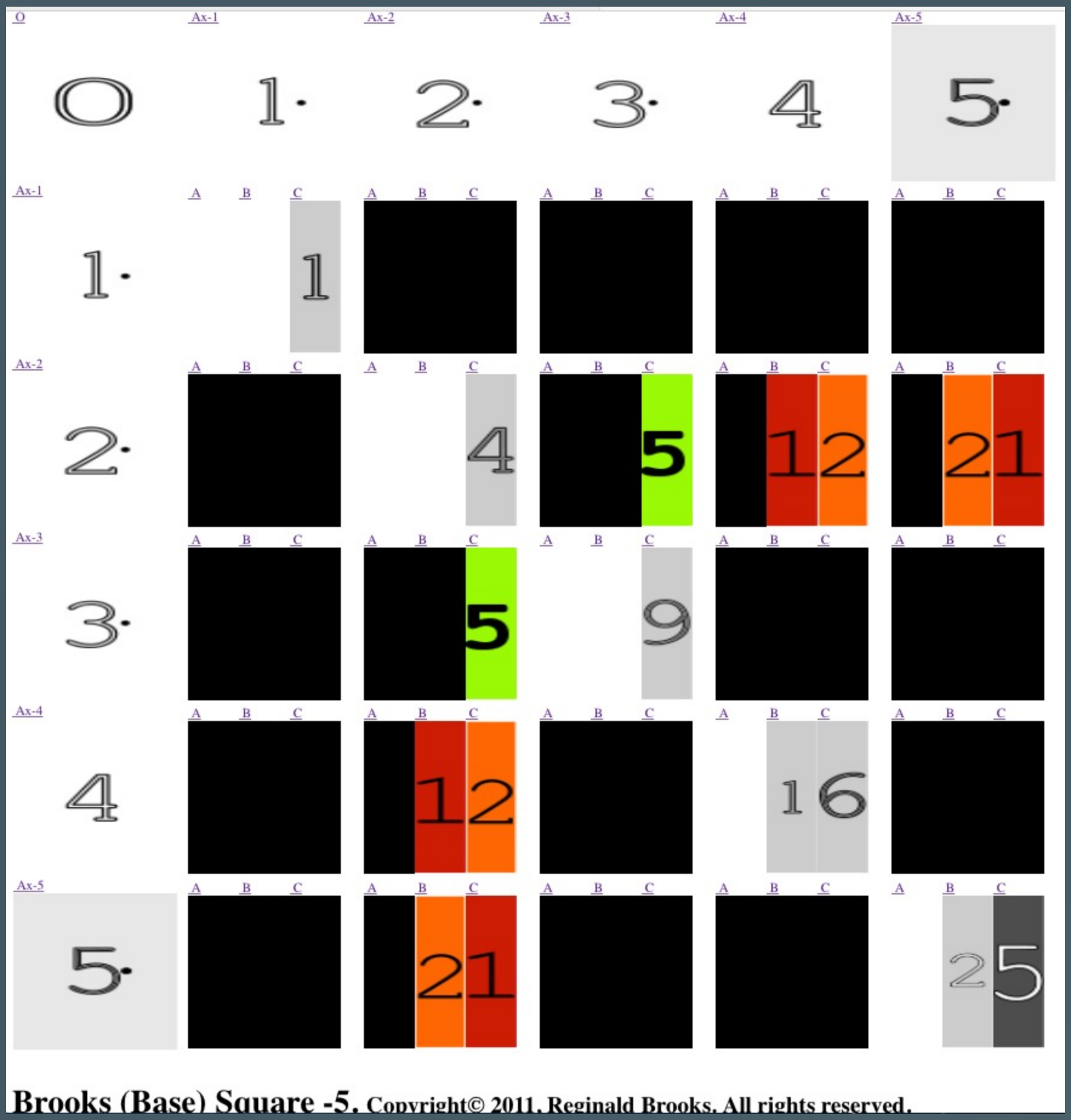
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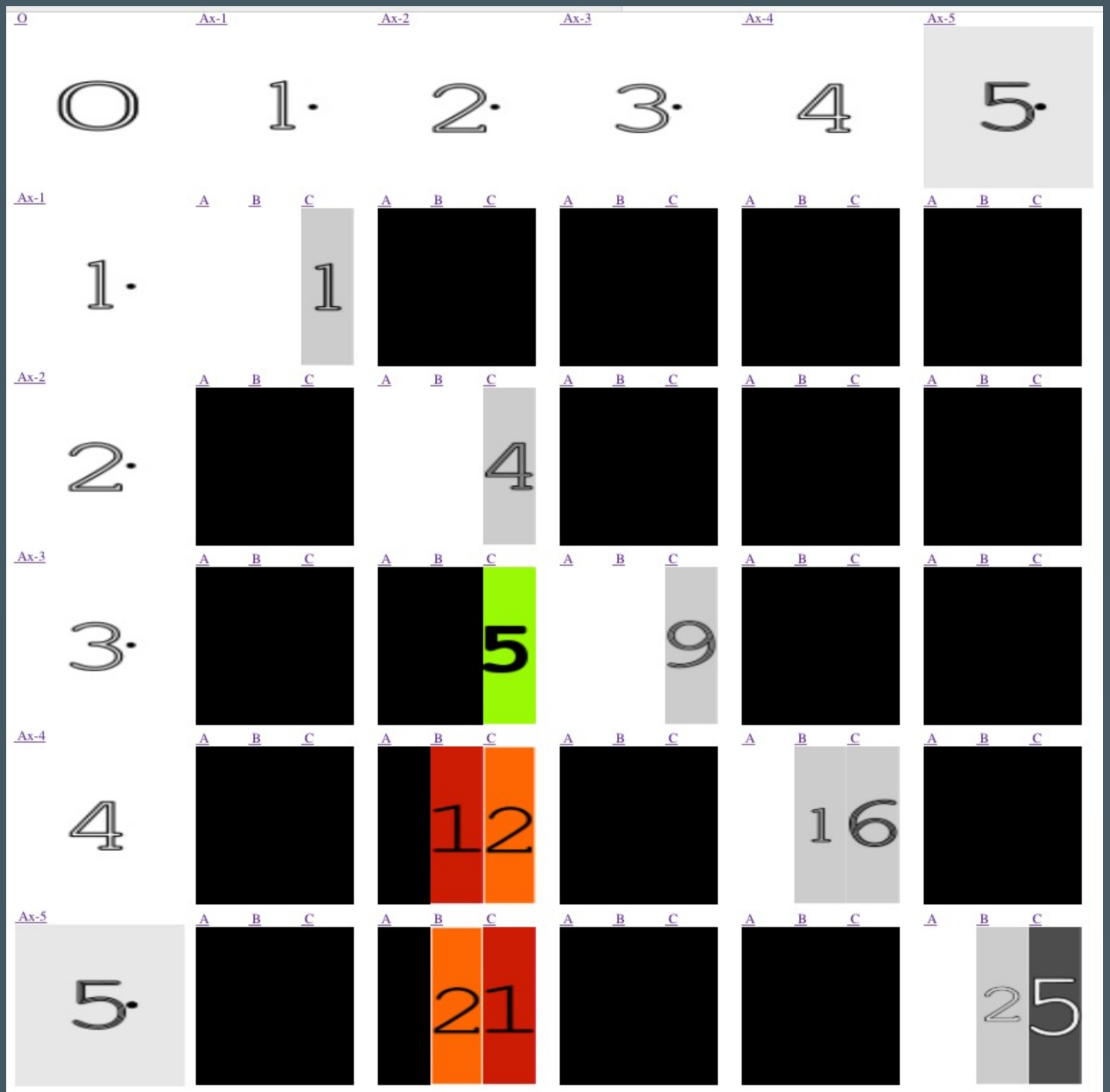

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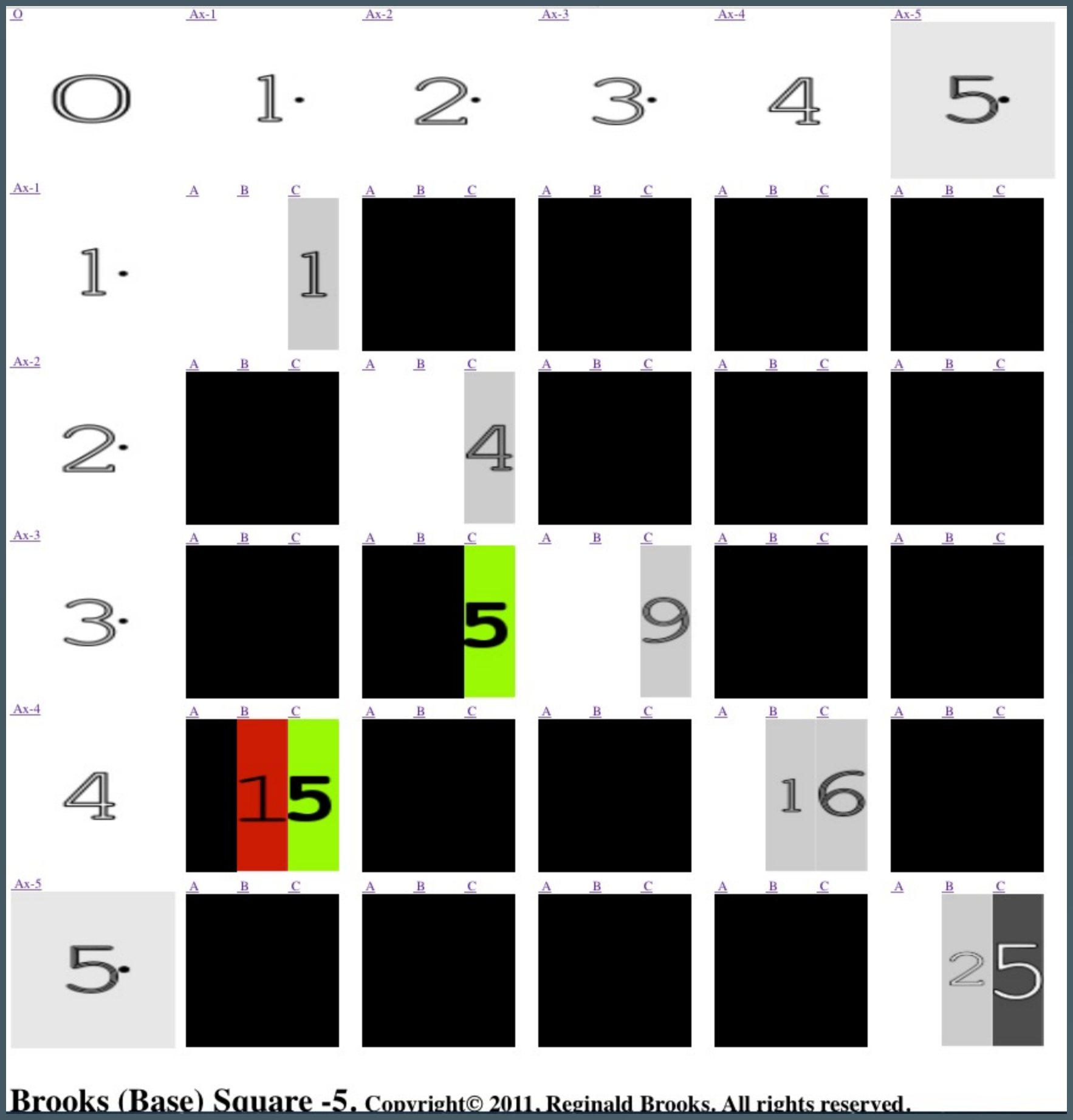
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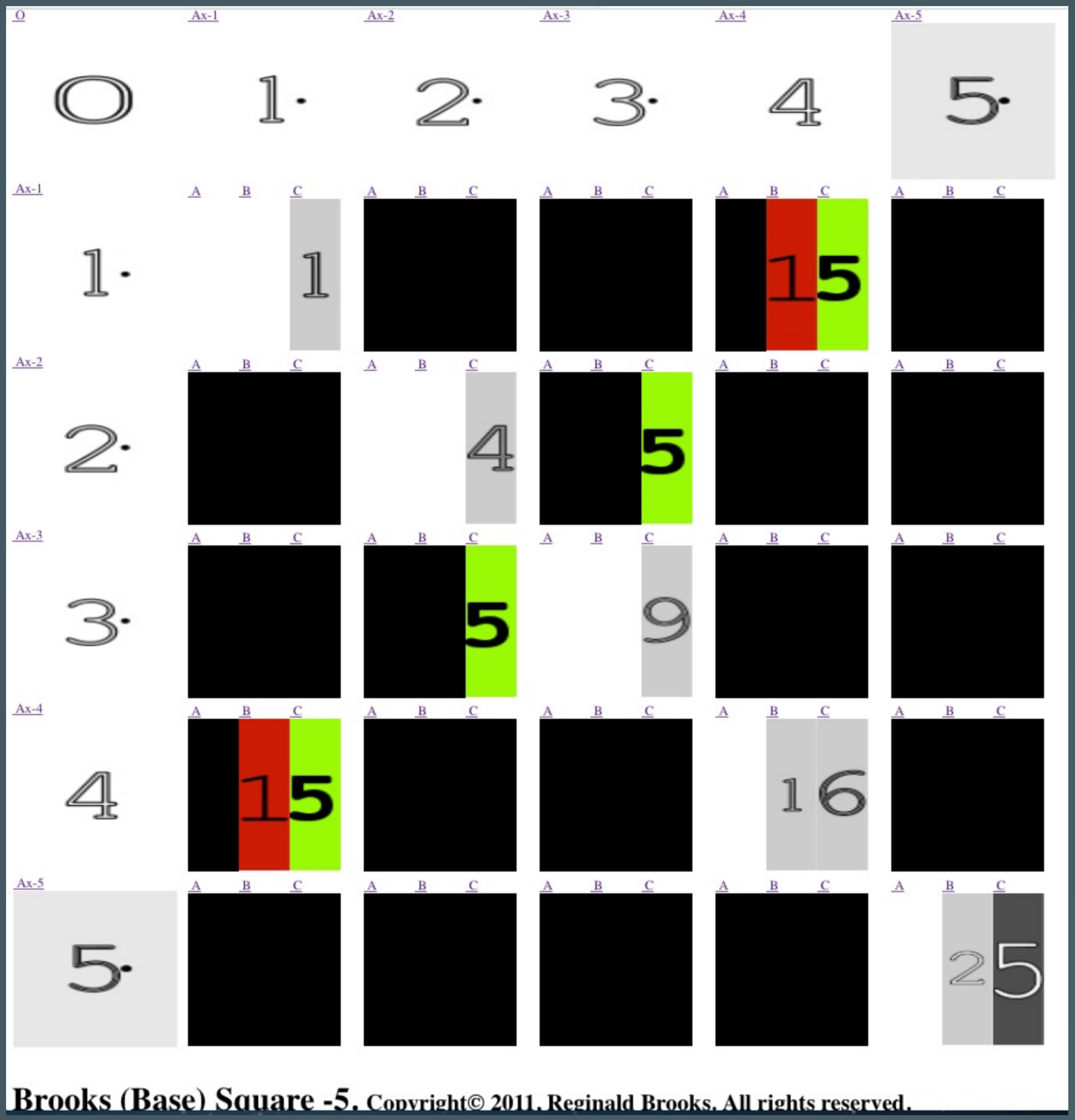
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.



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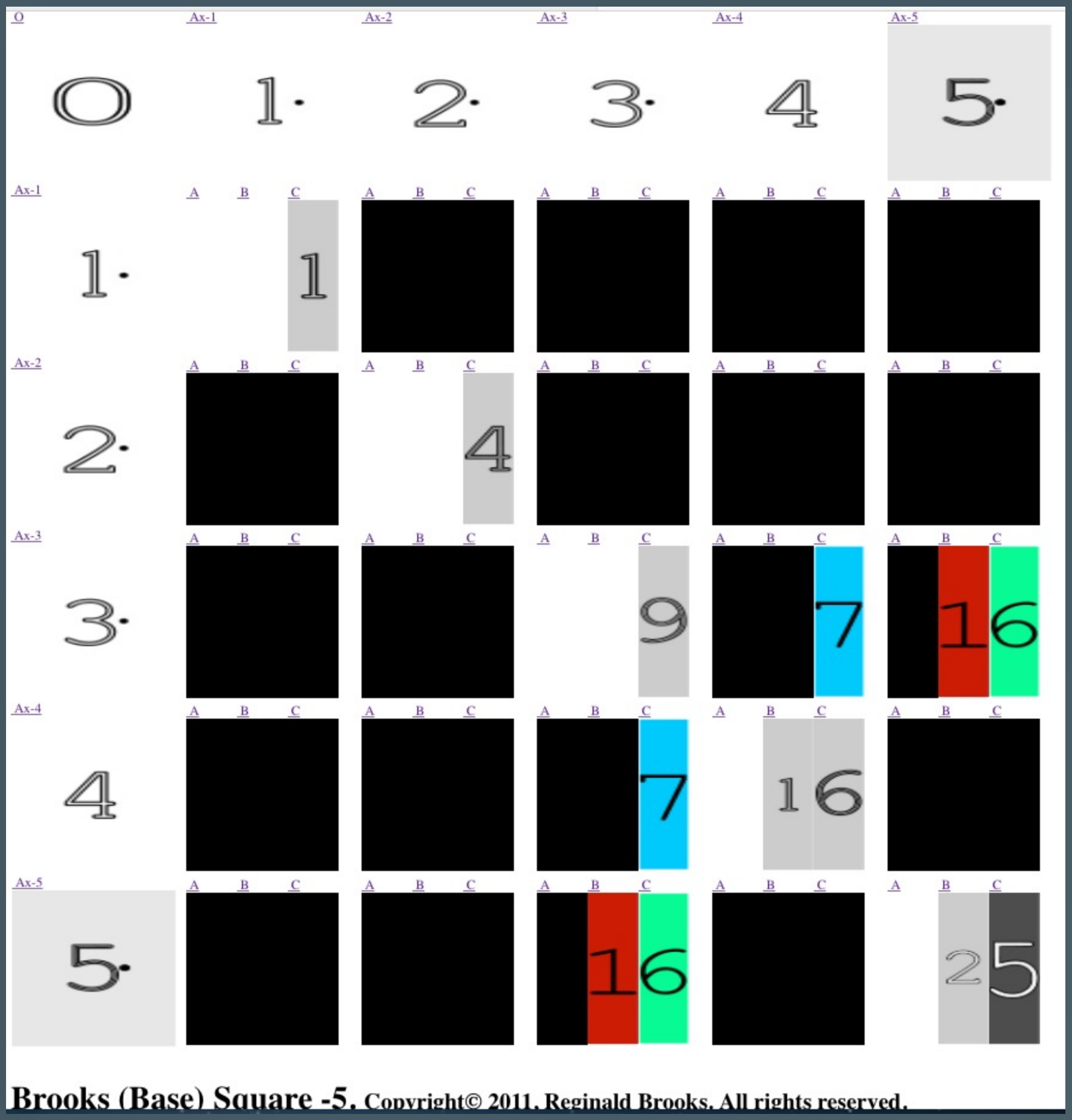
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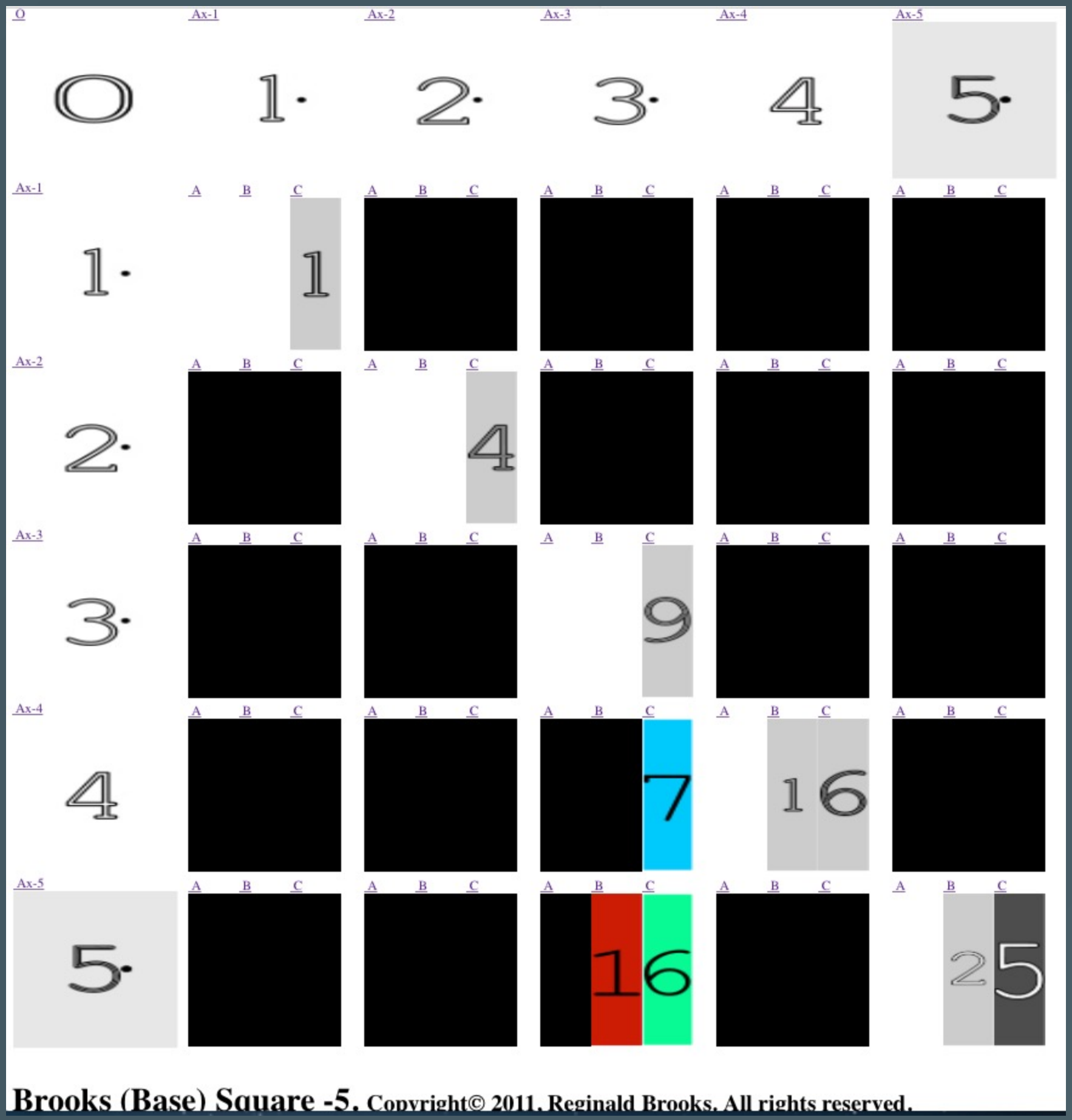

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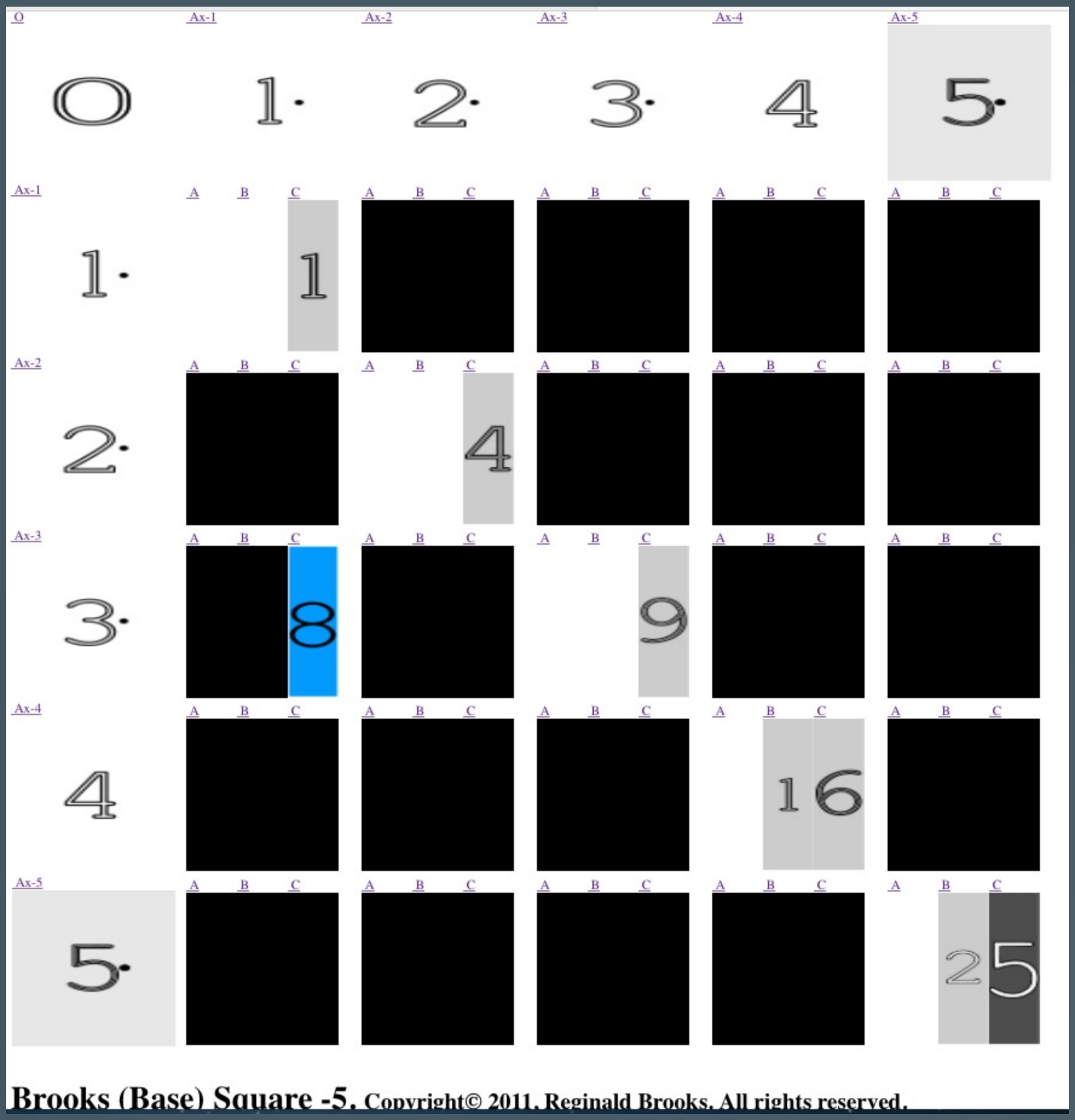

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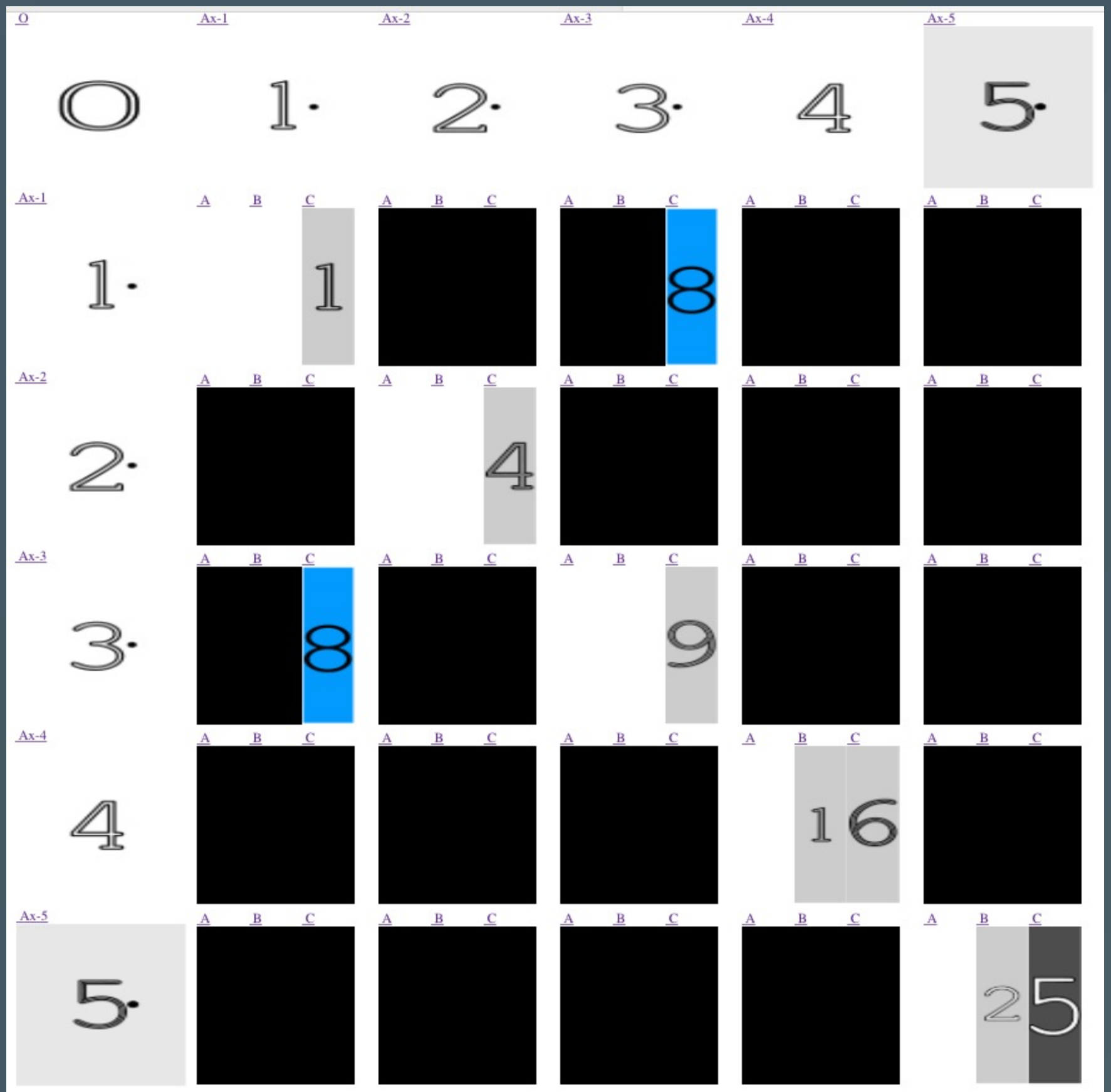

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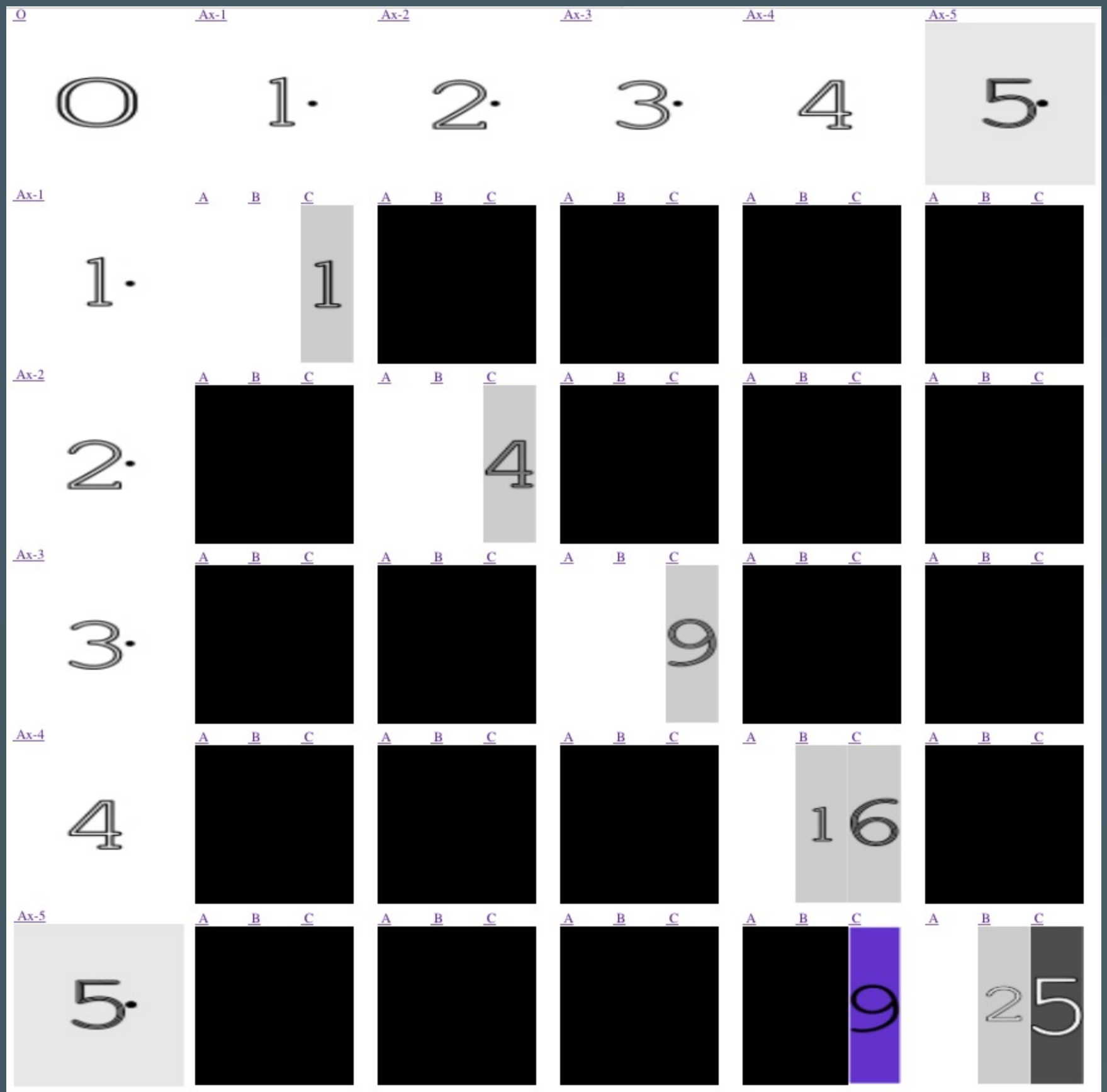

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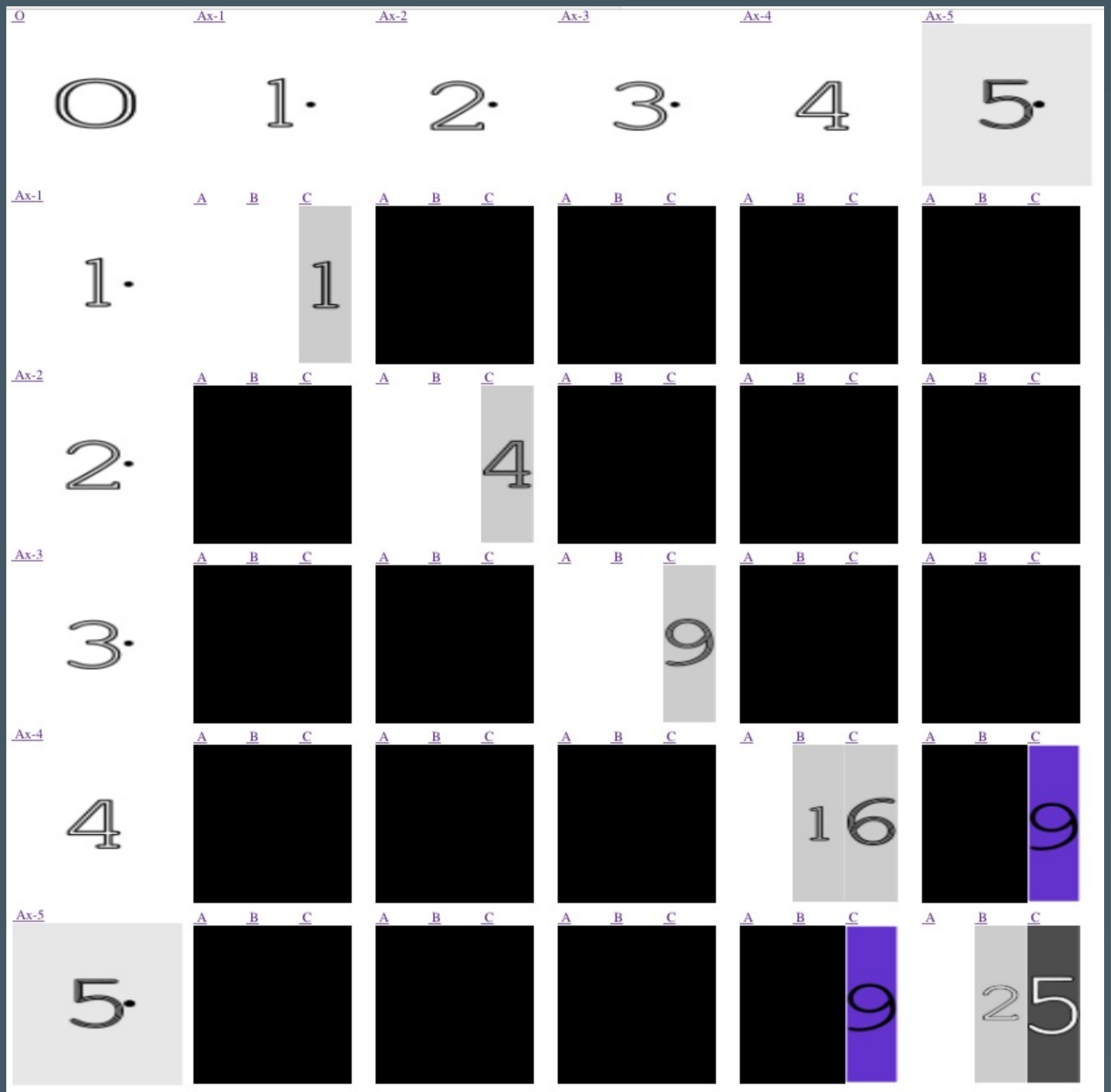

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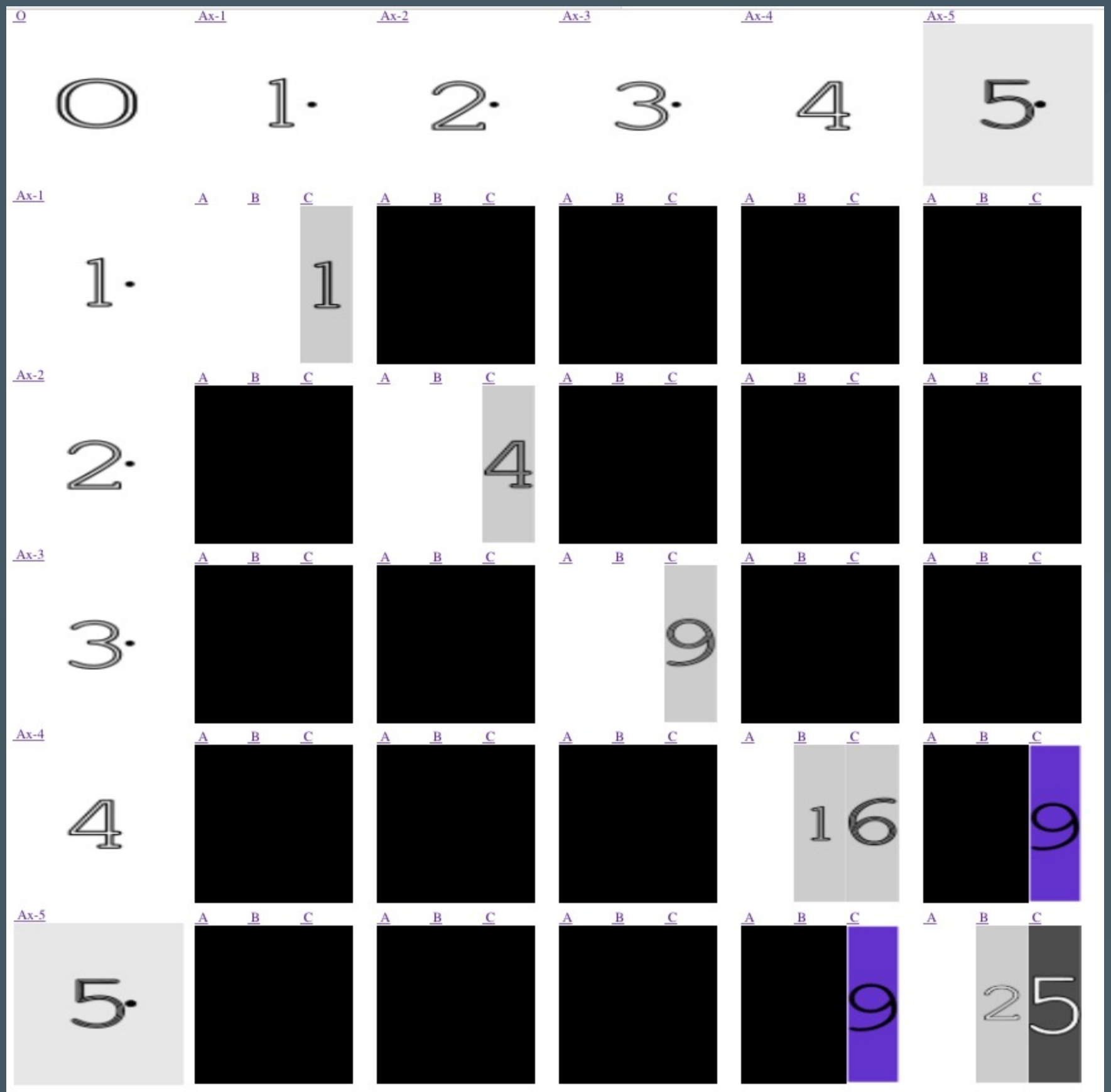

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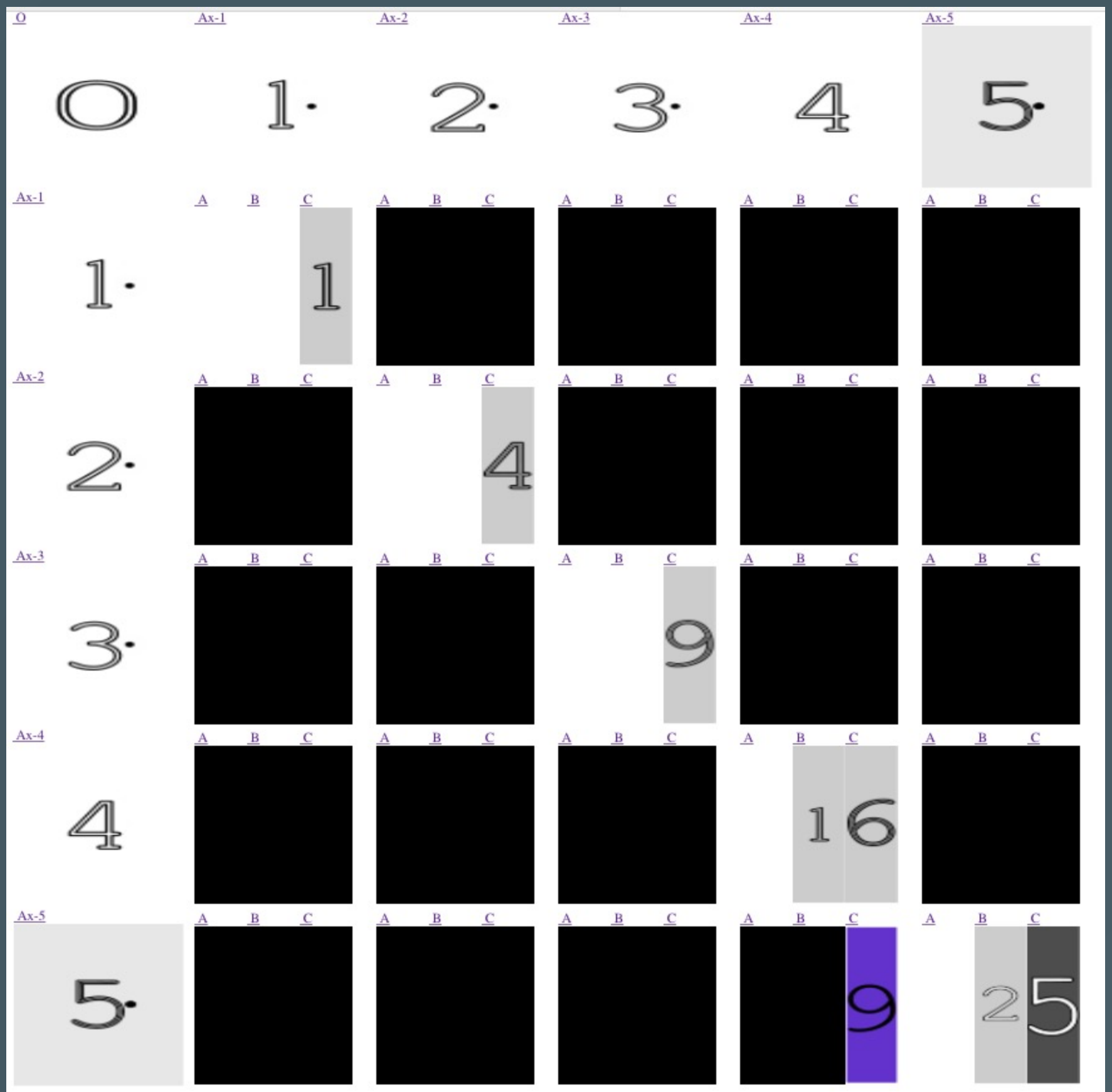

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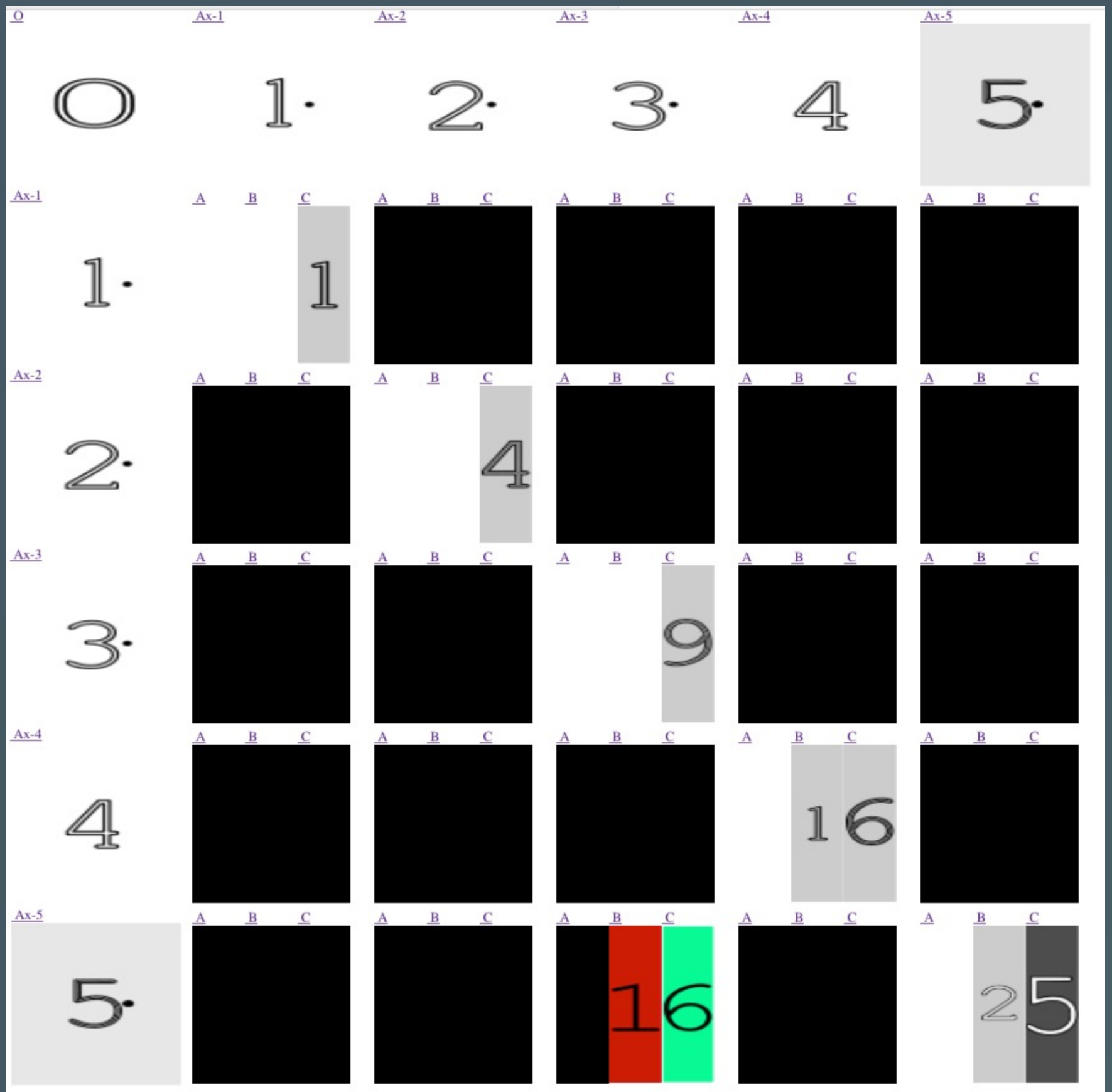

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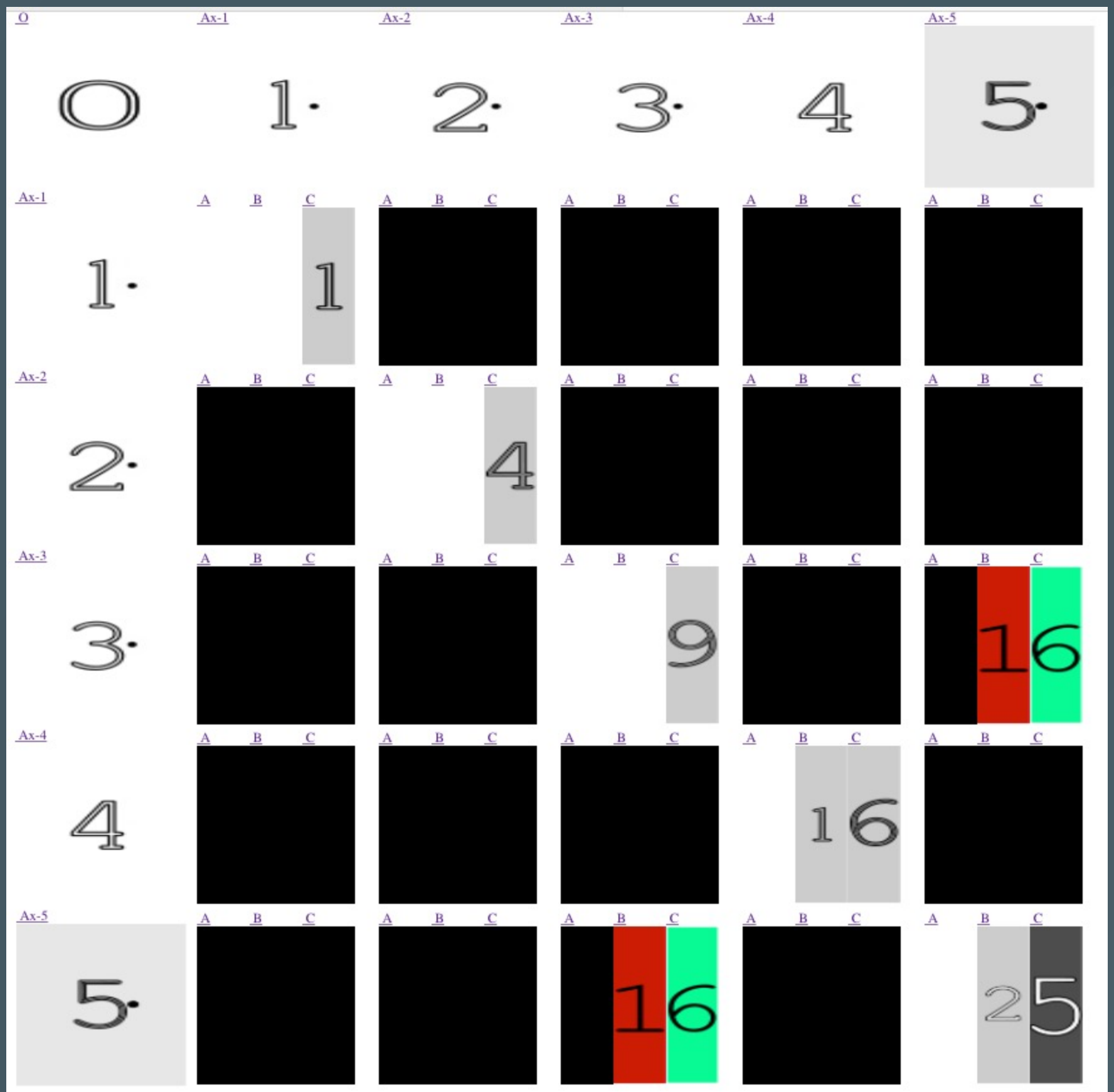

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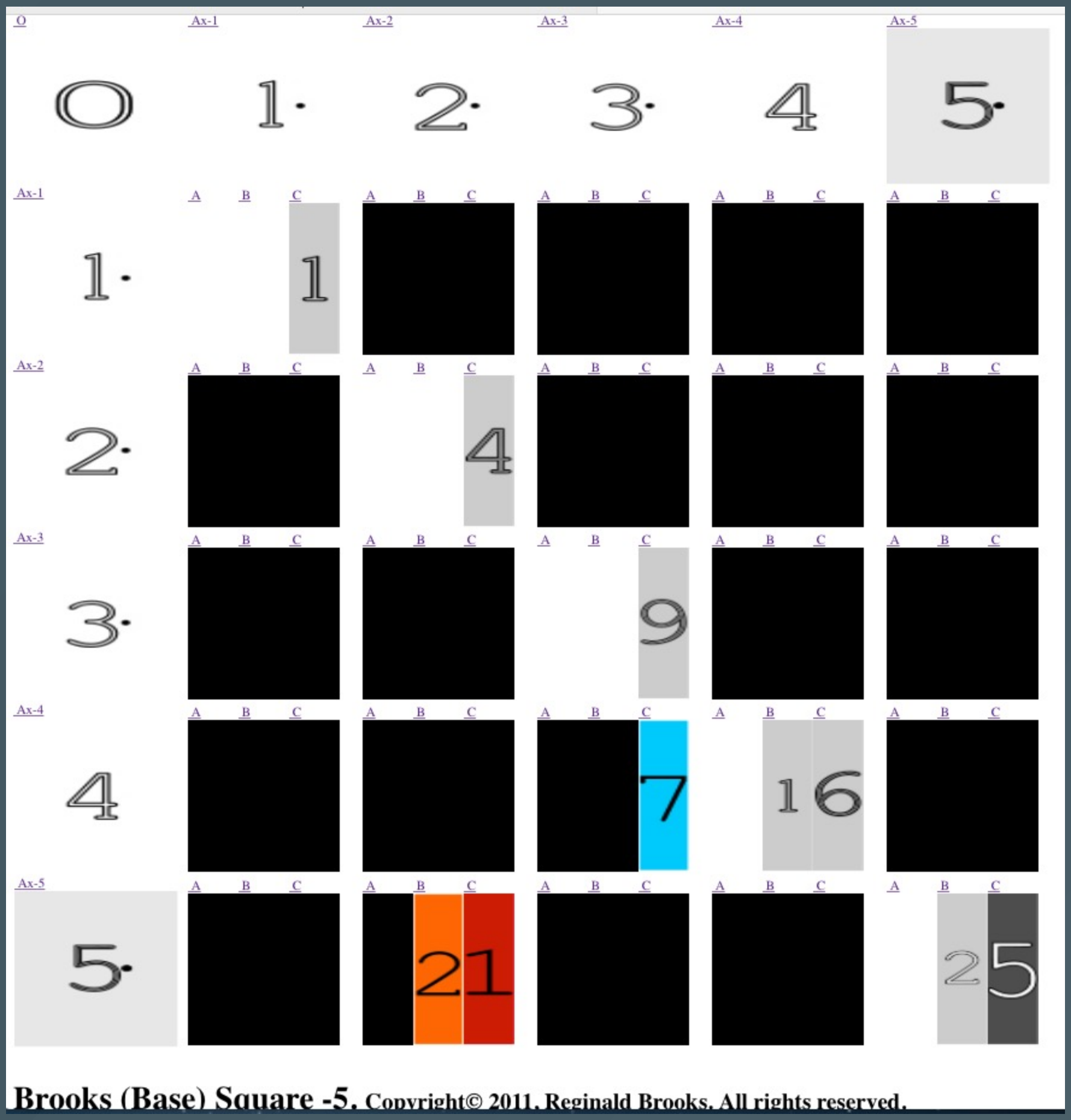
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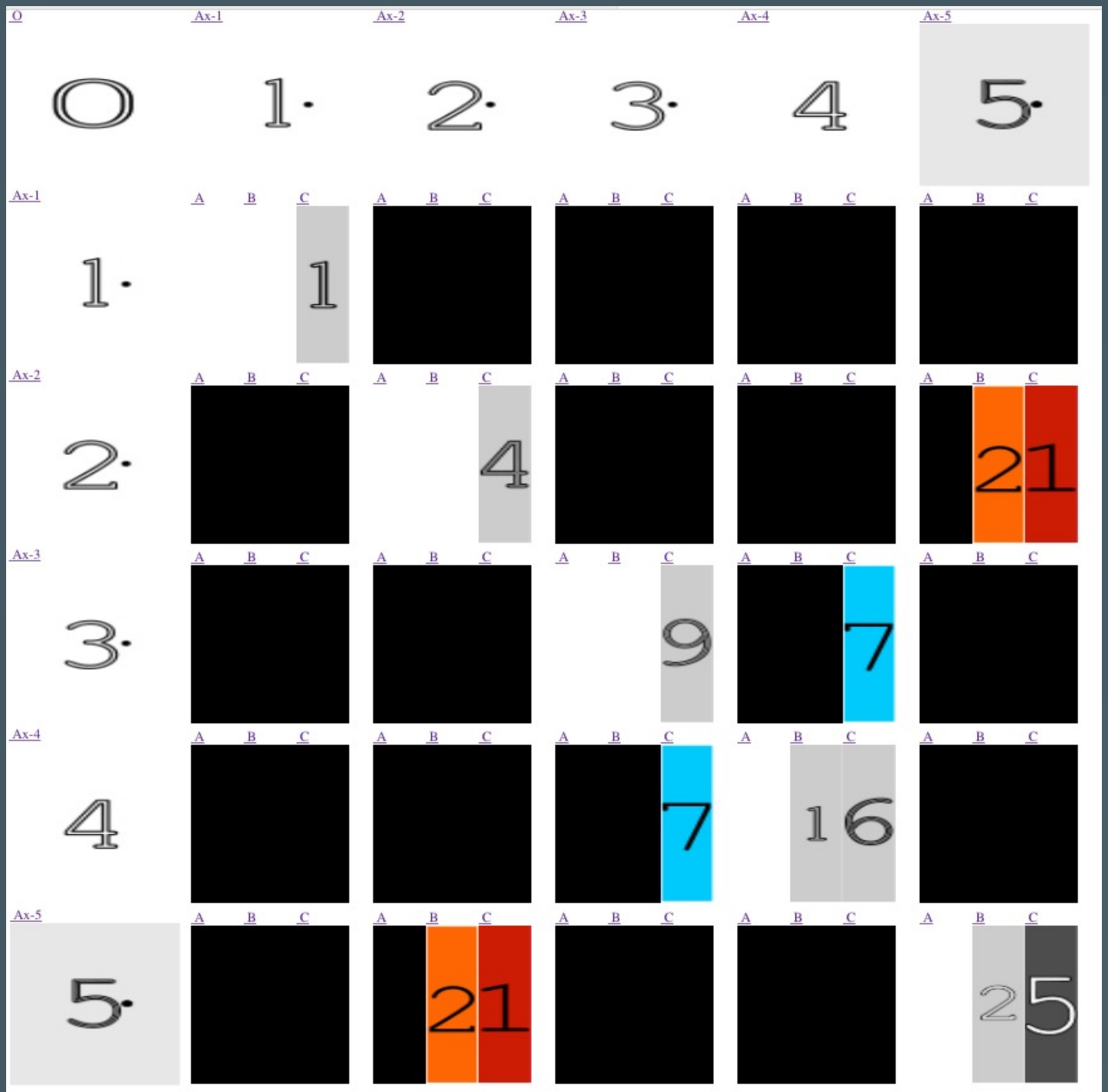

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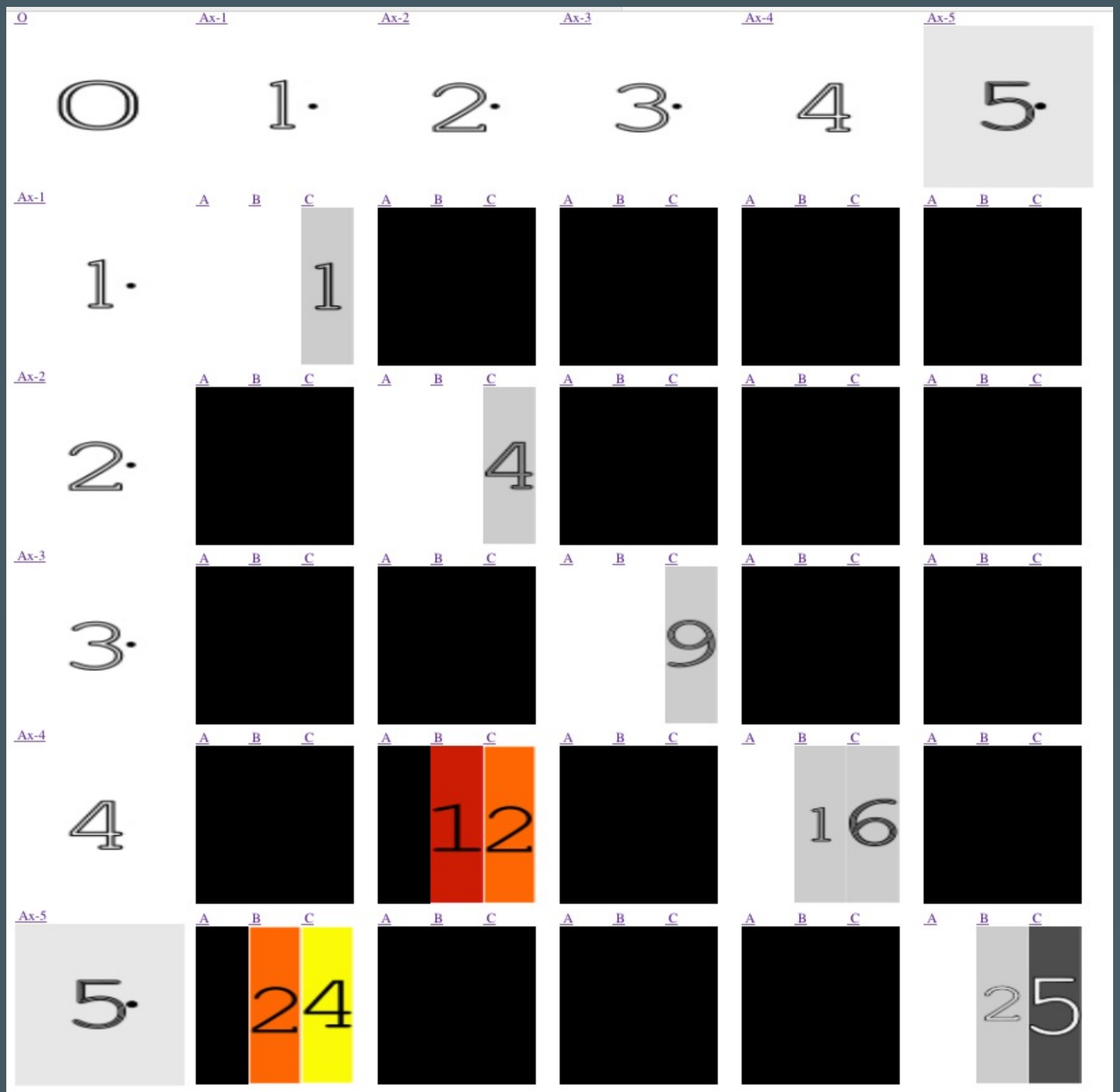

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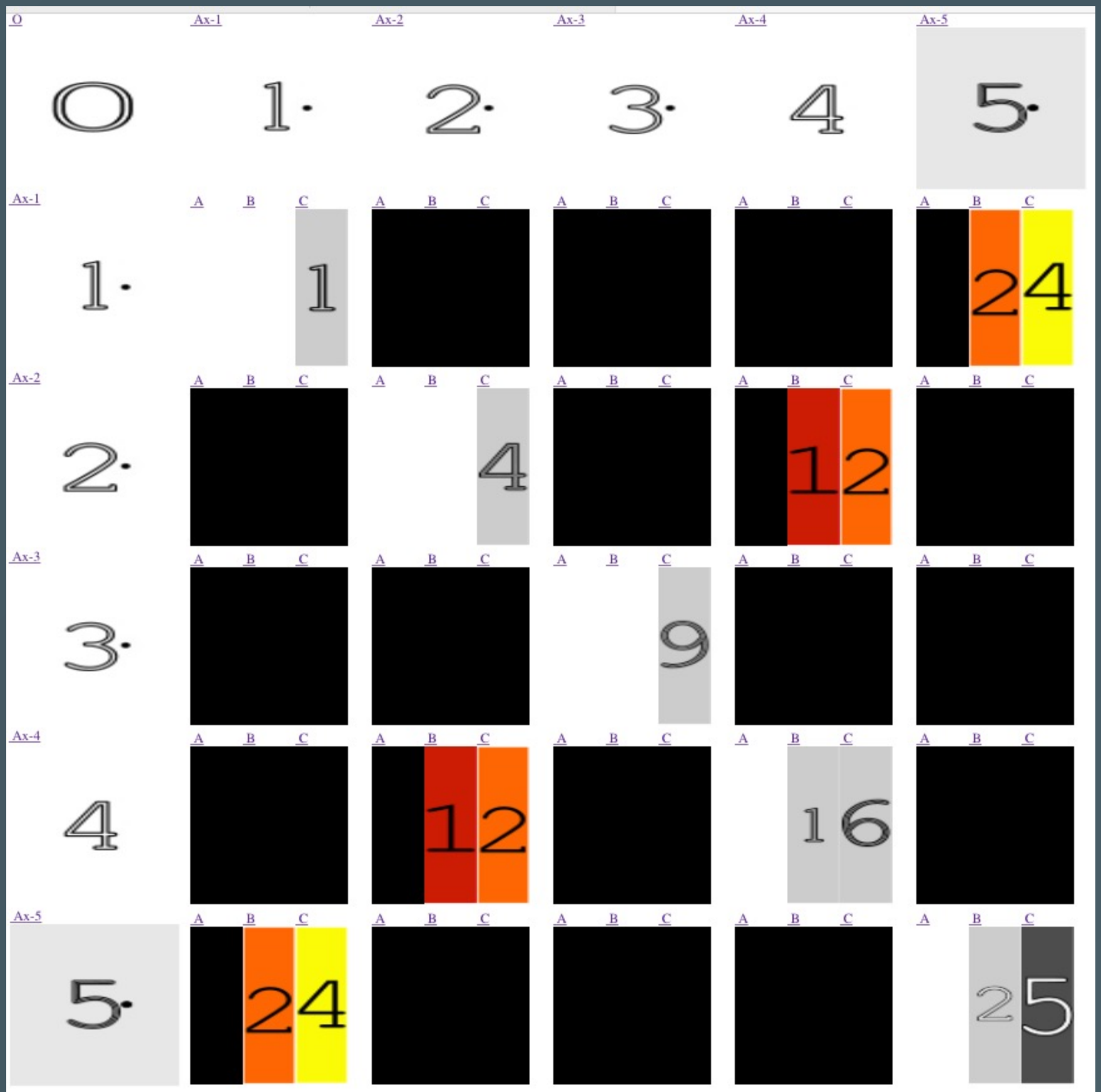

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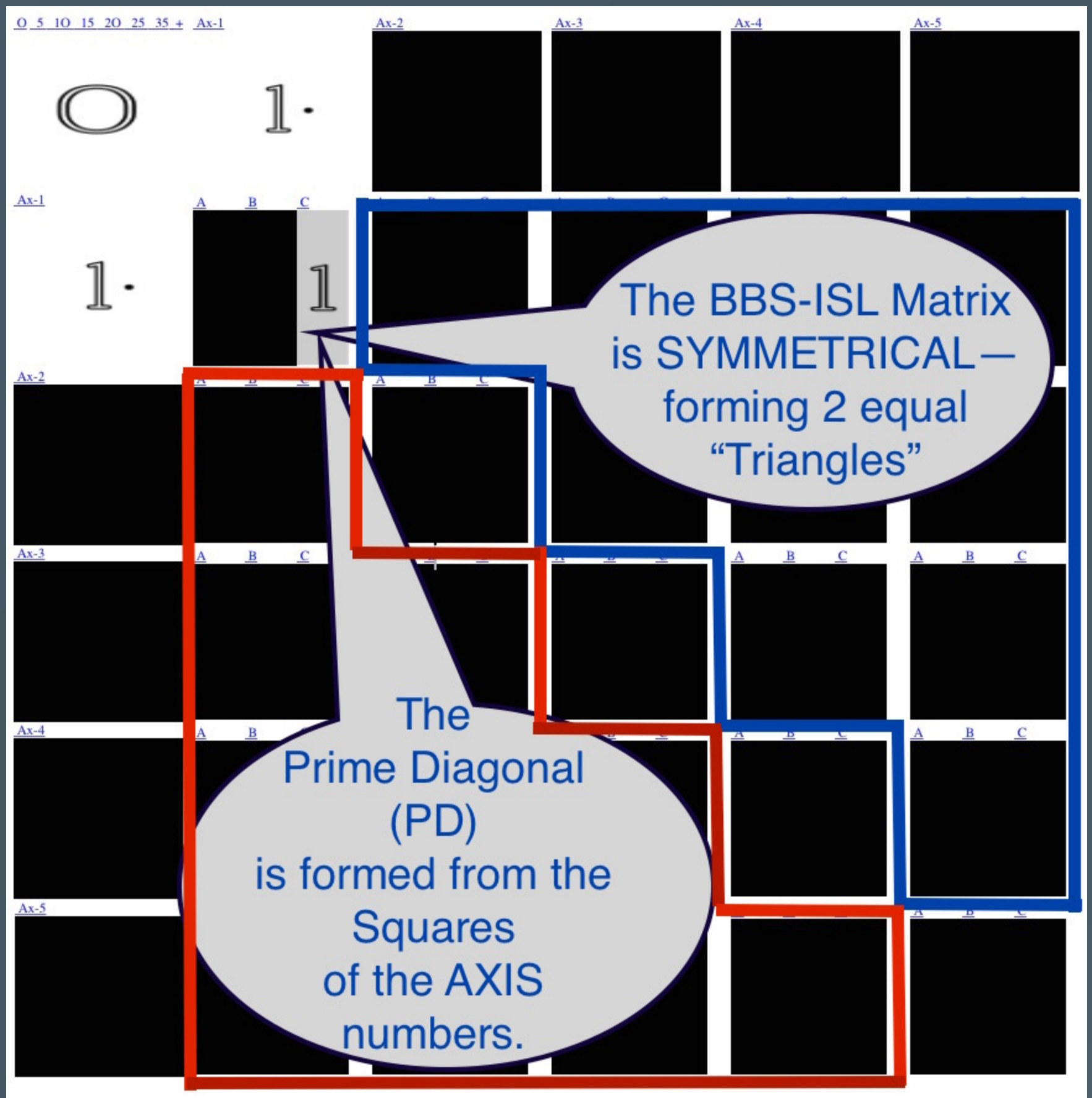

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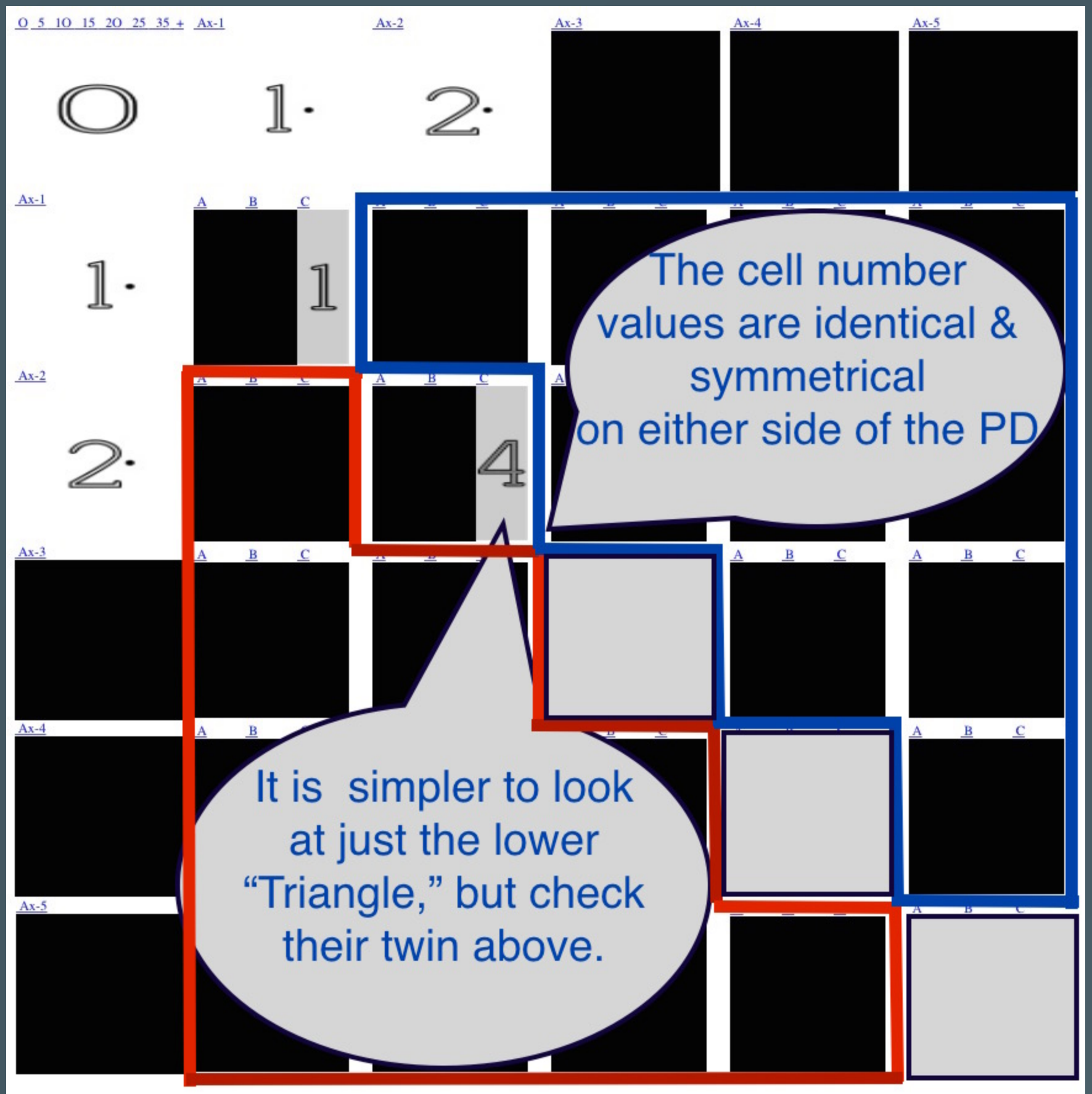

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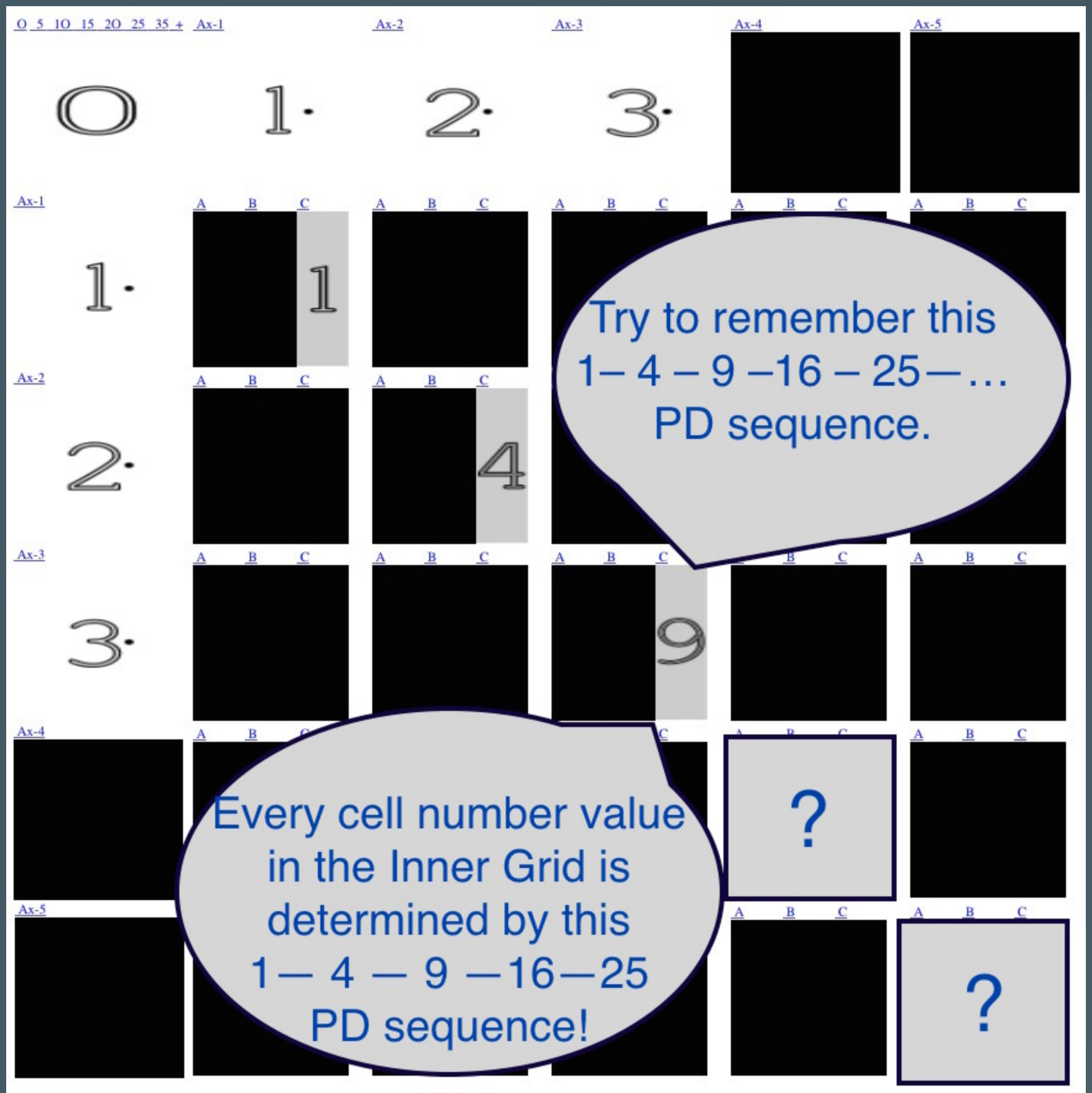

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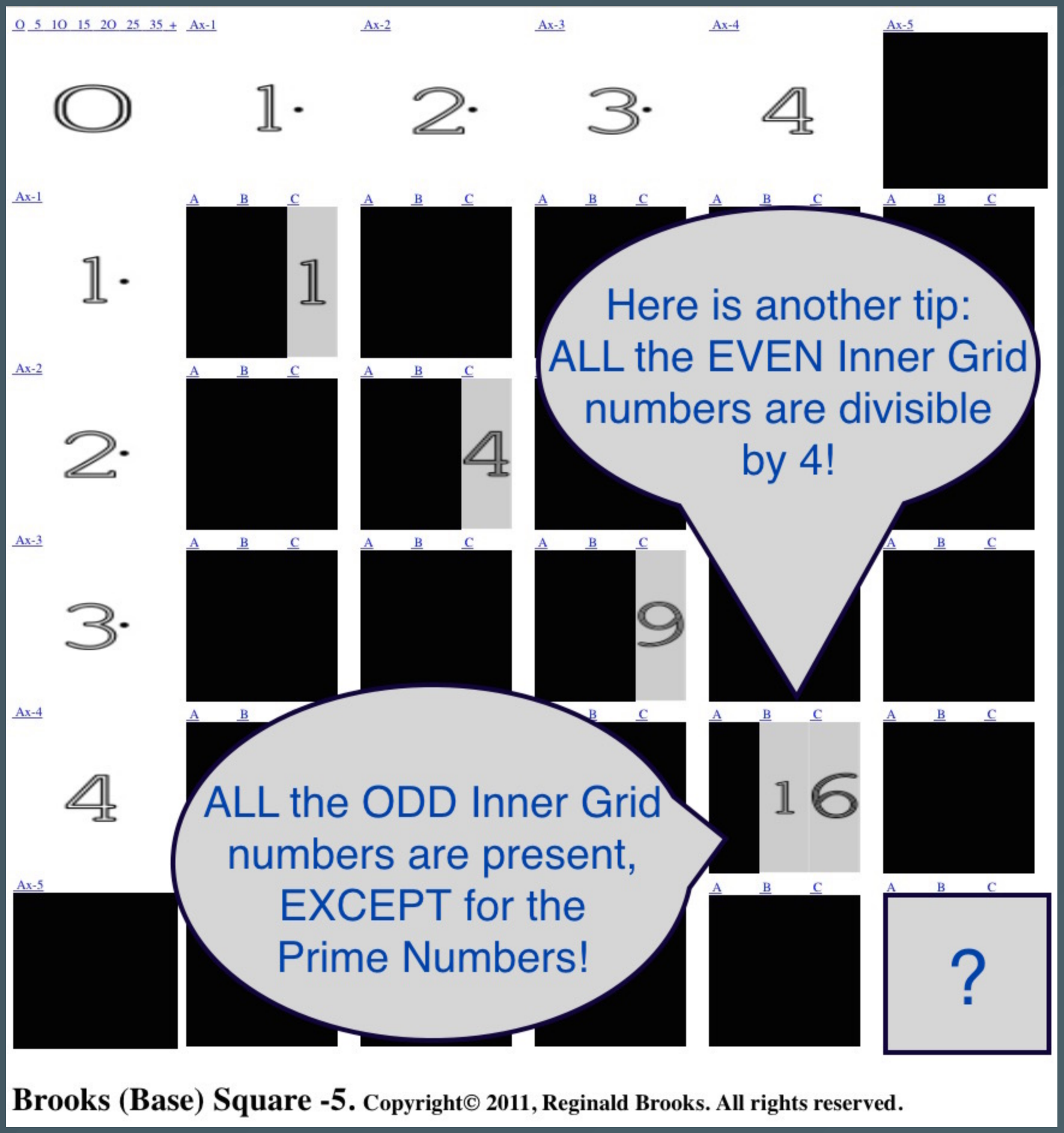

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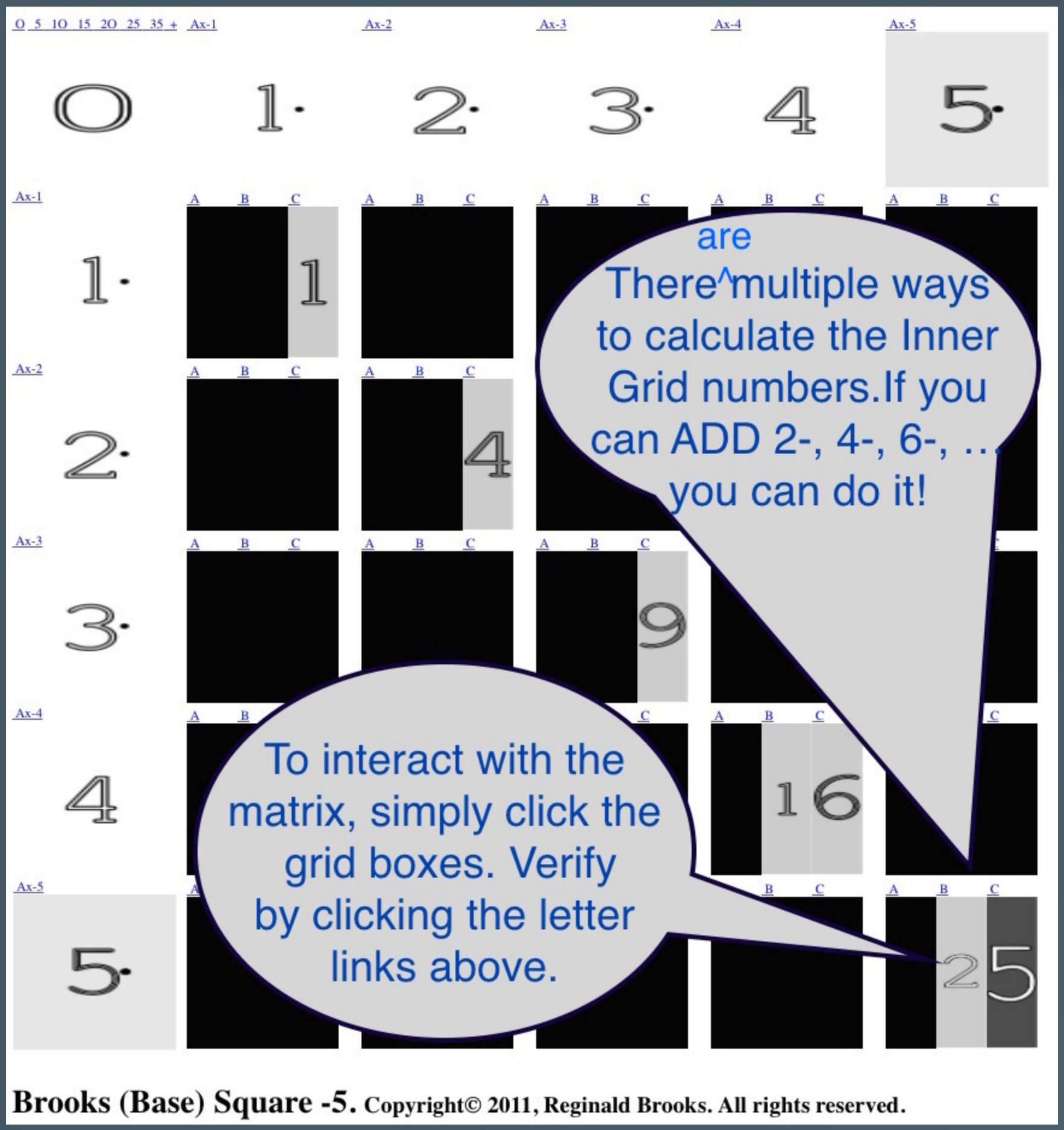

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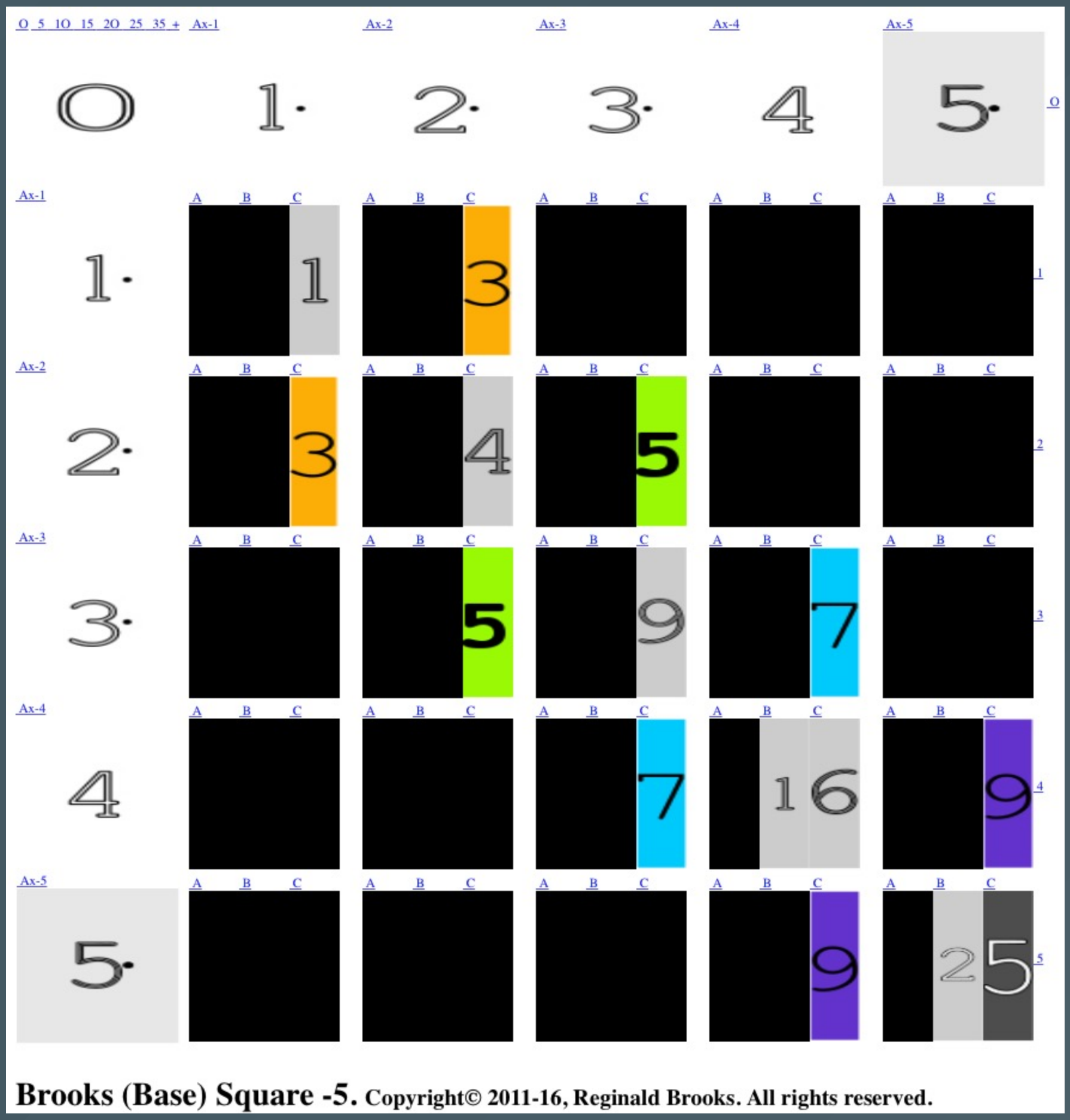

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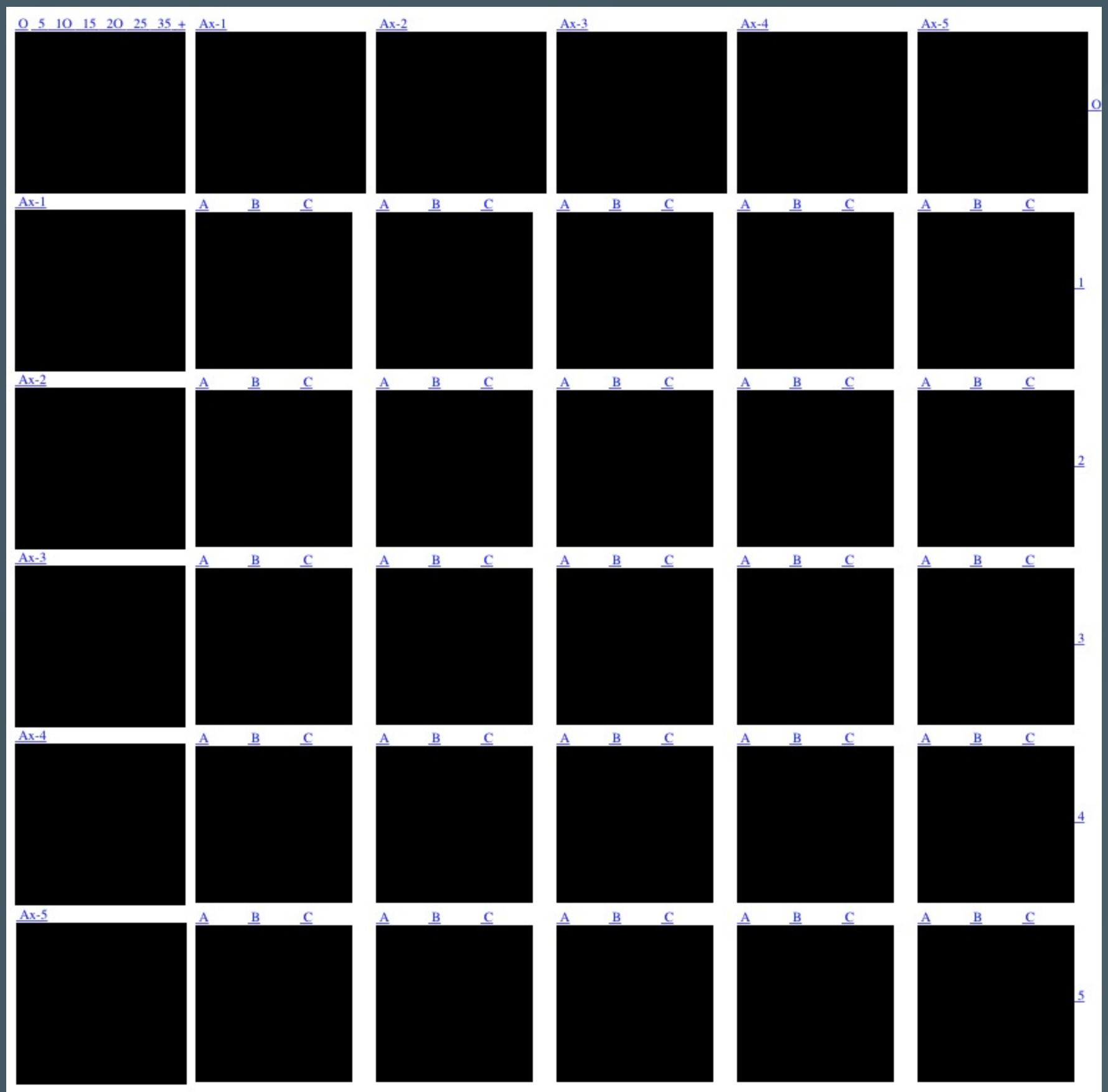

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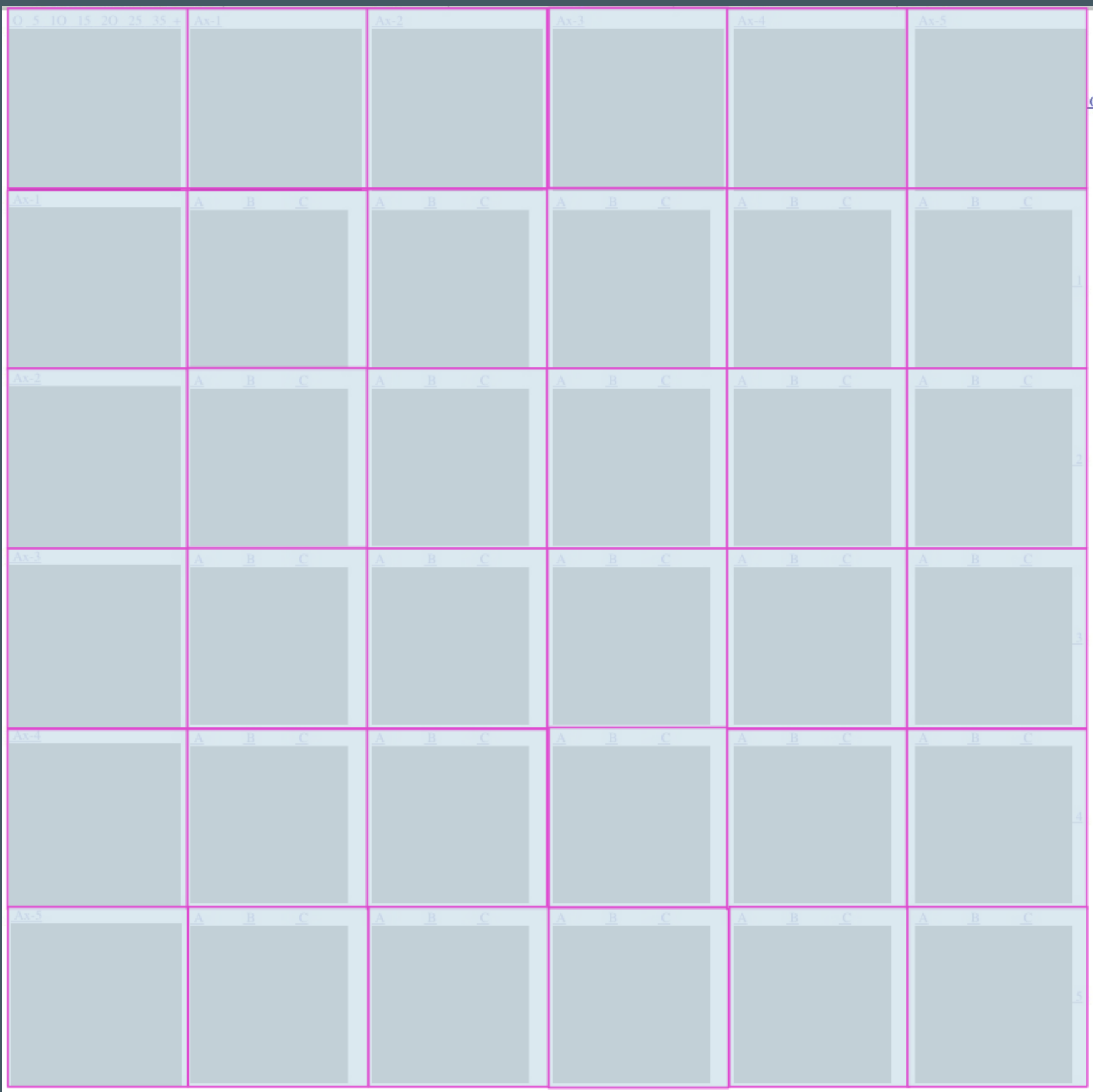

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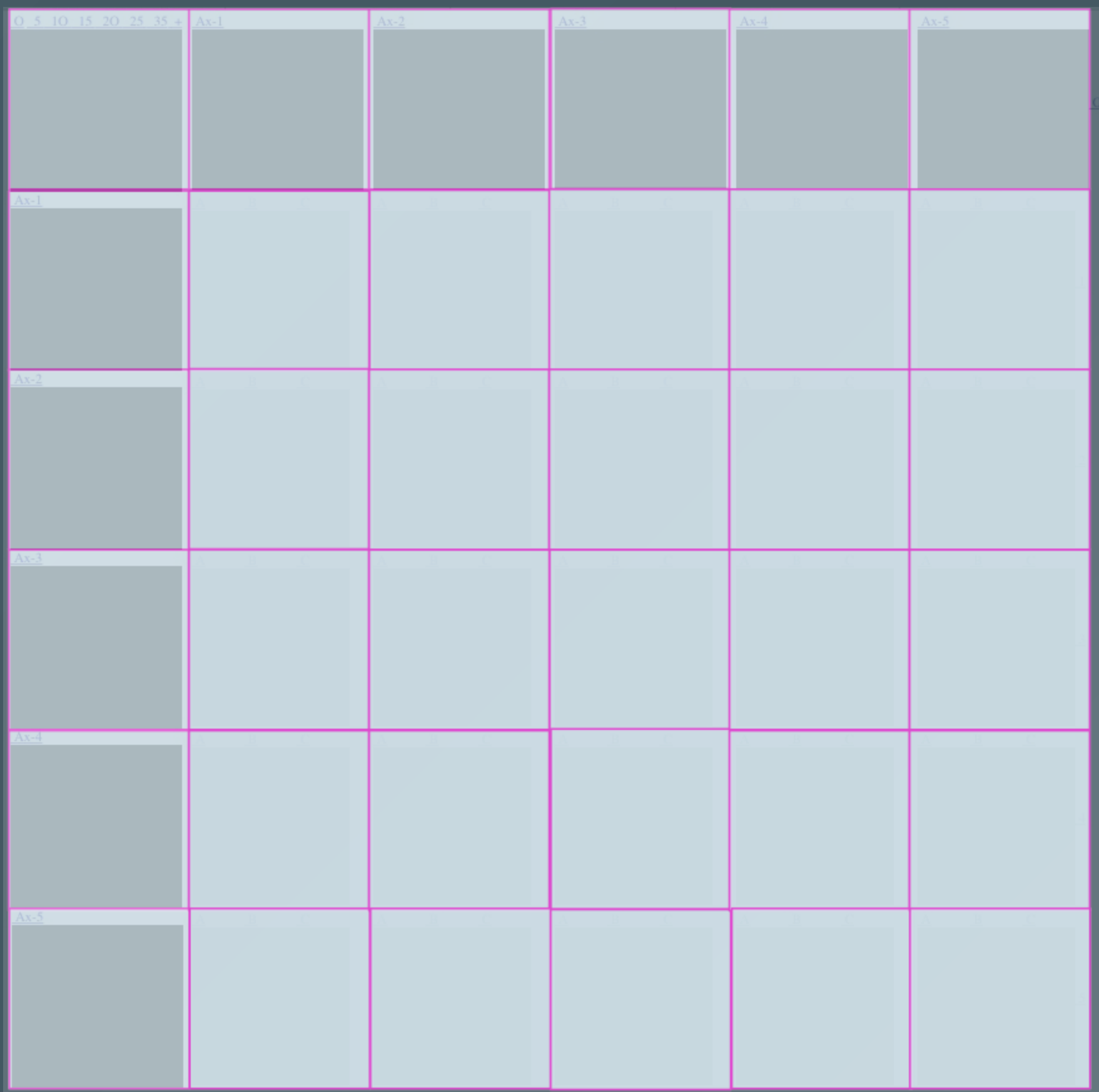

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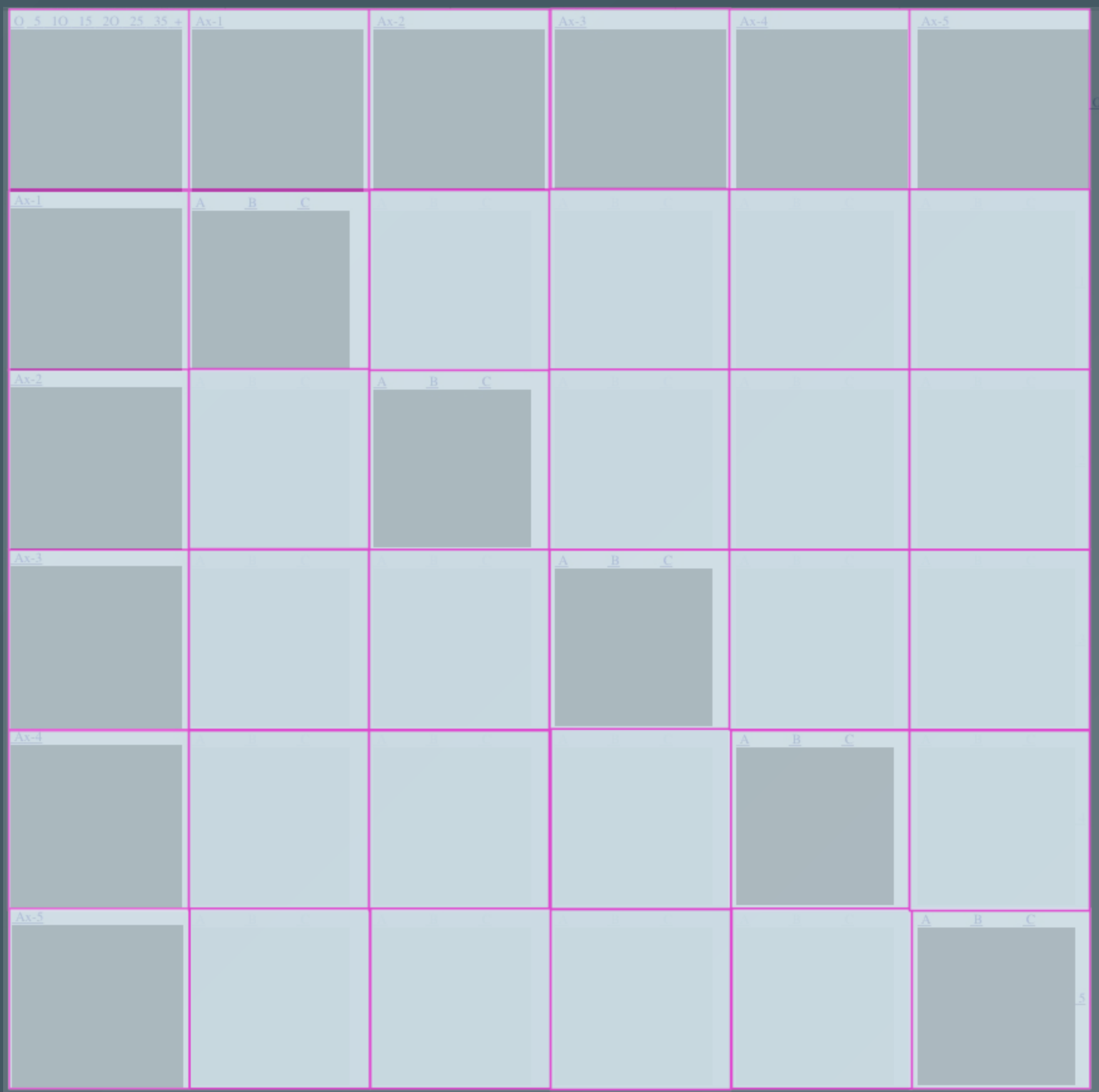

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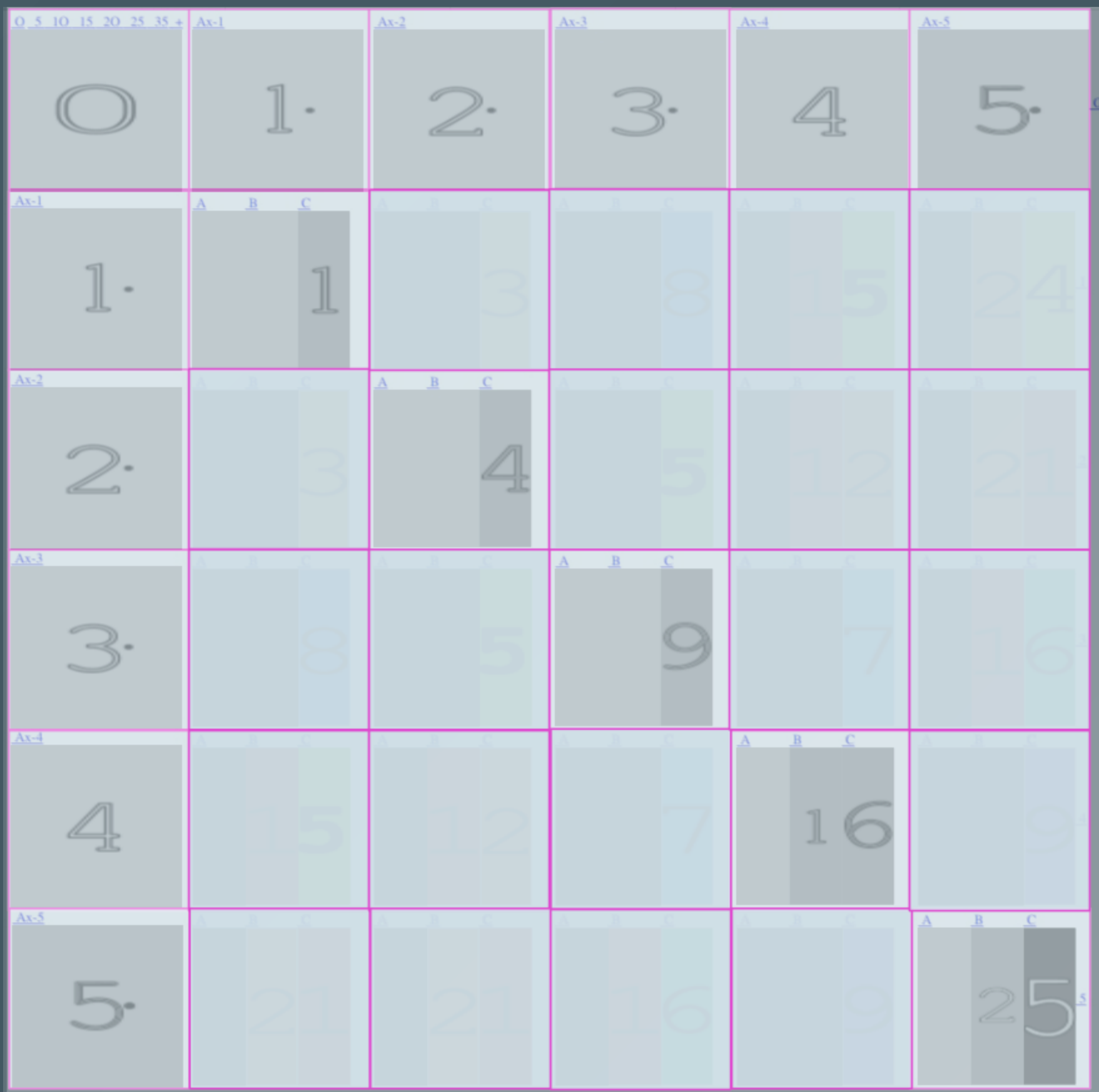

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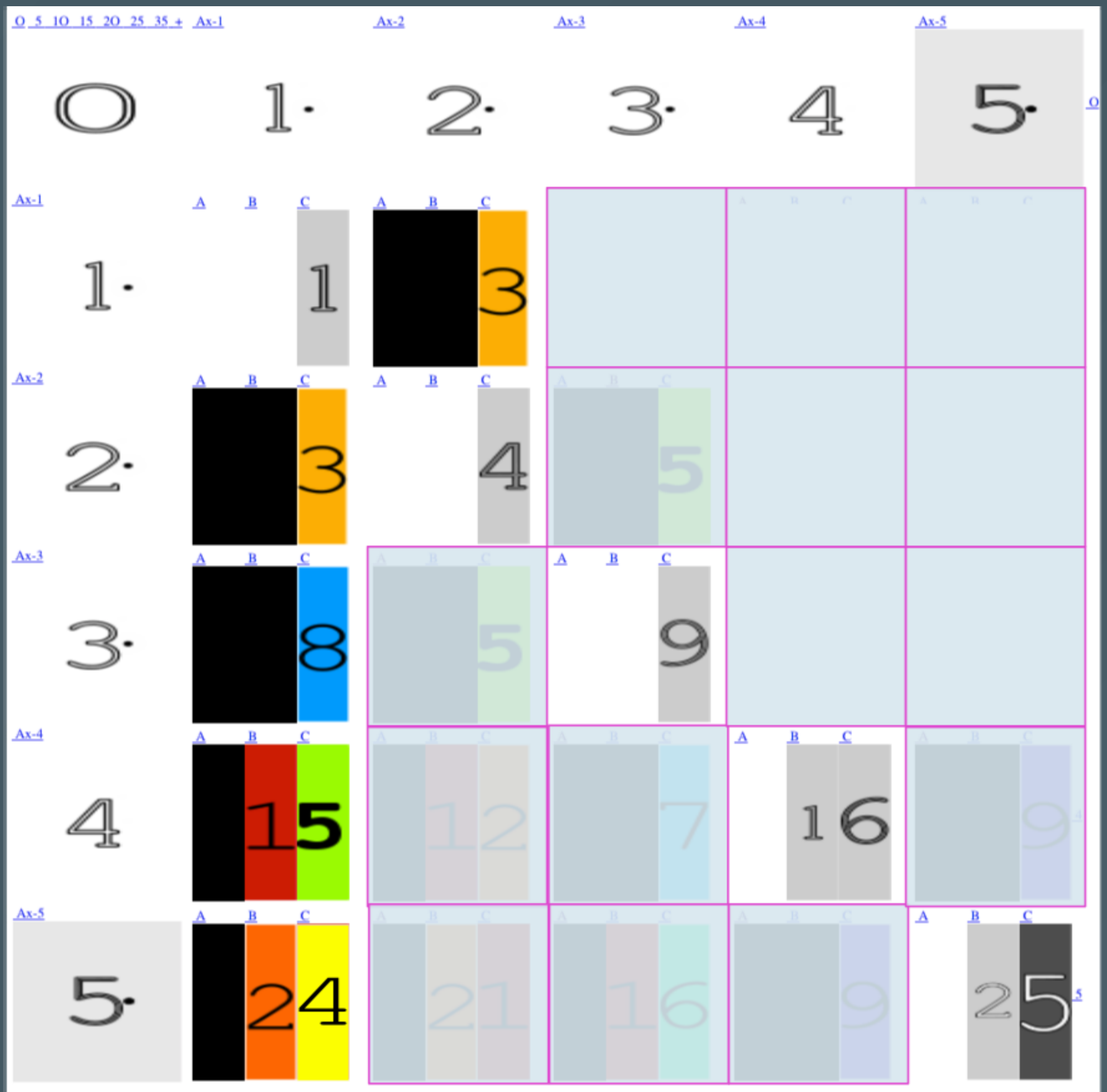

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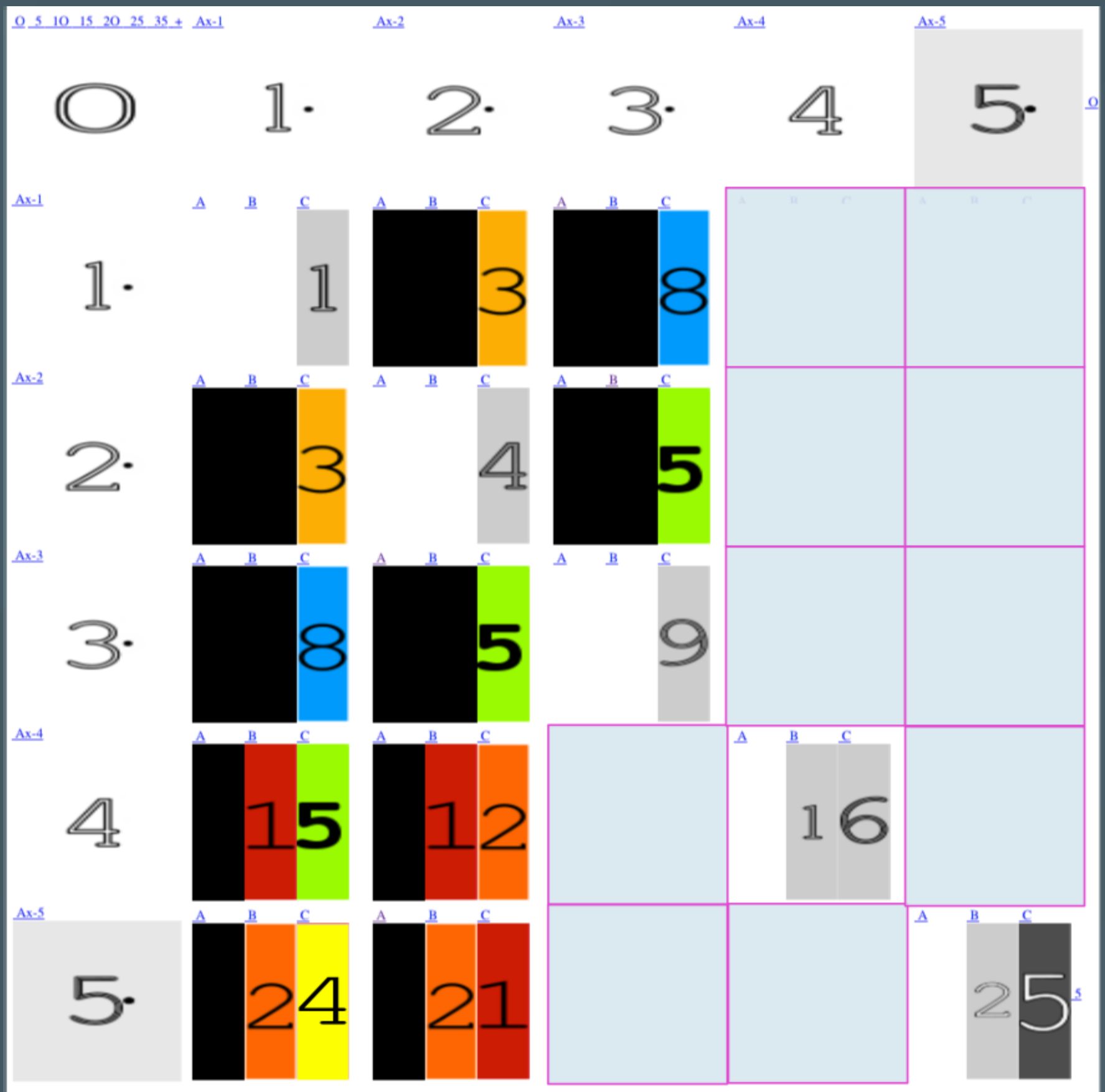

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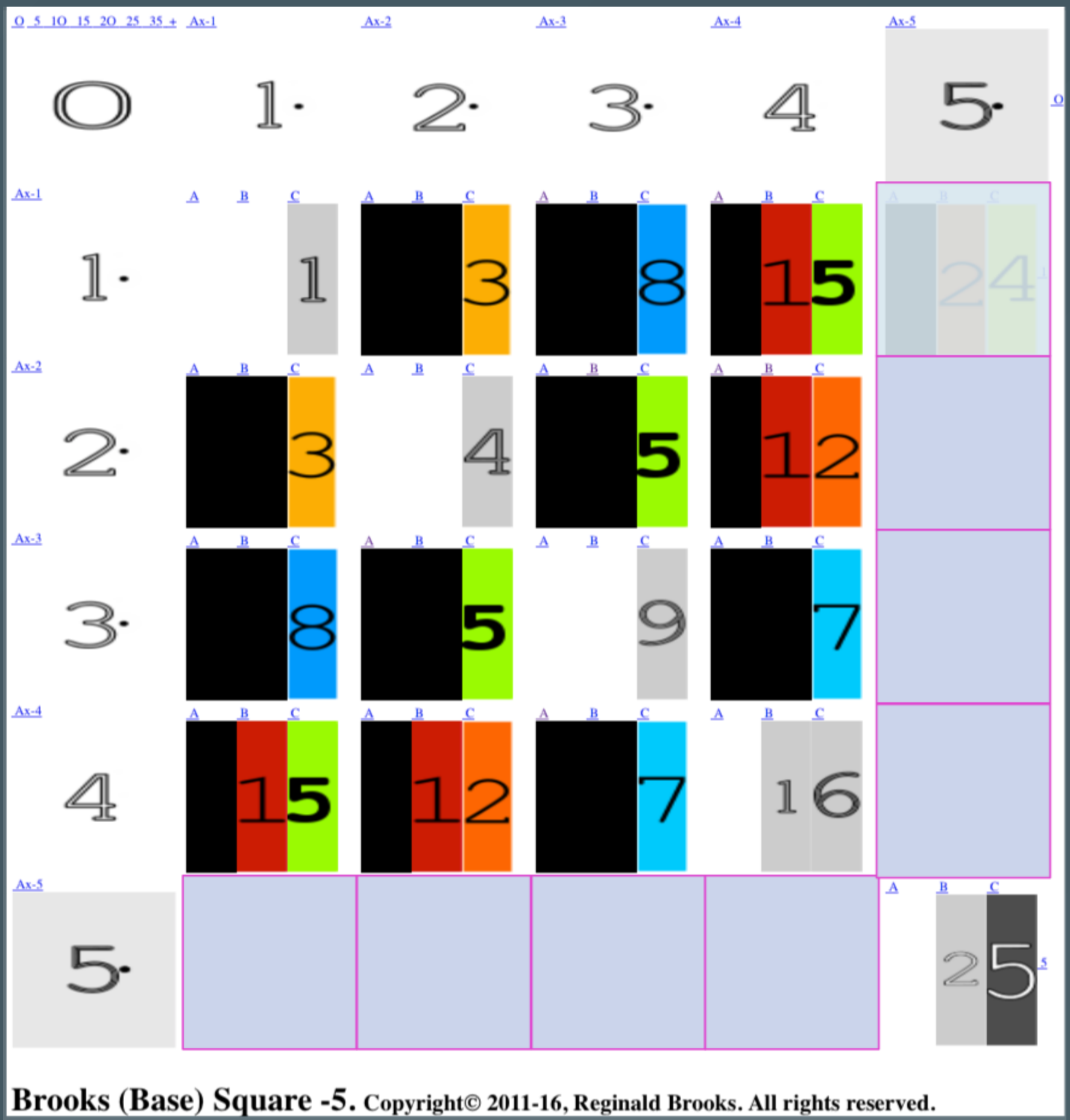
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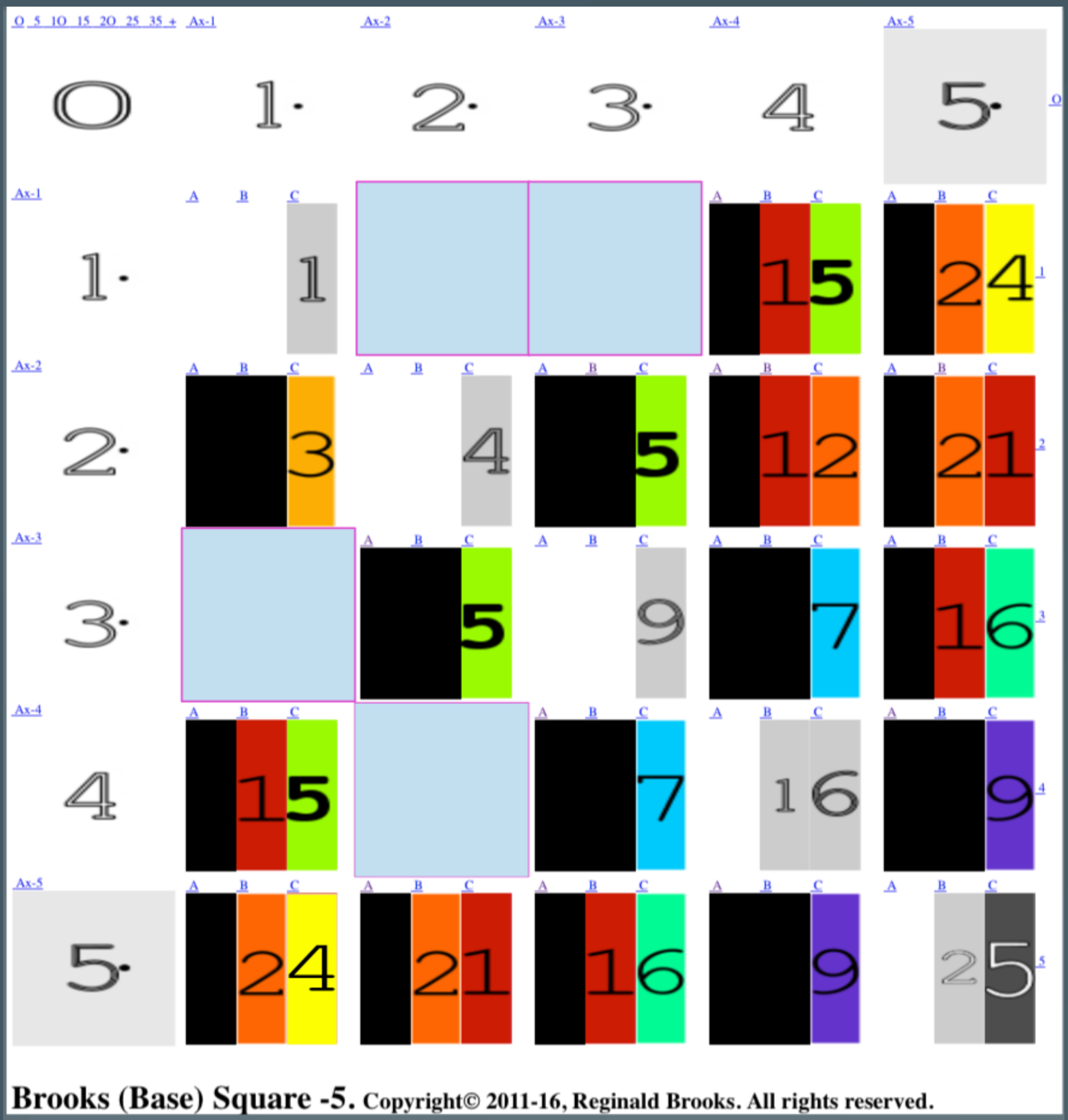
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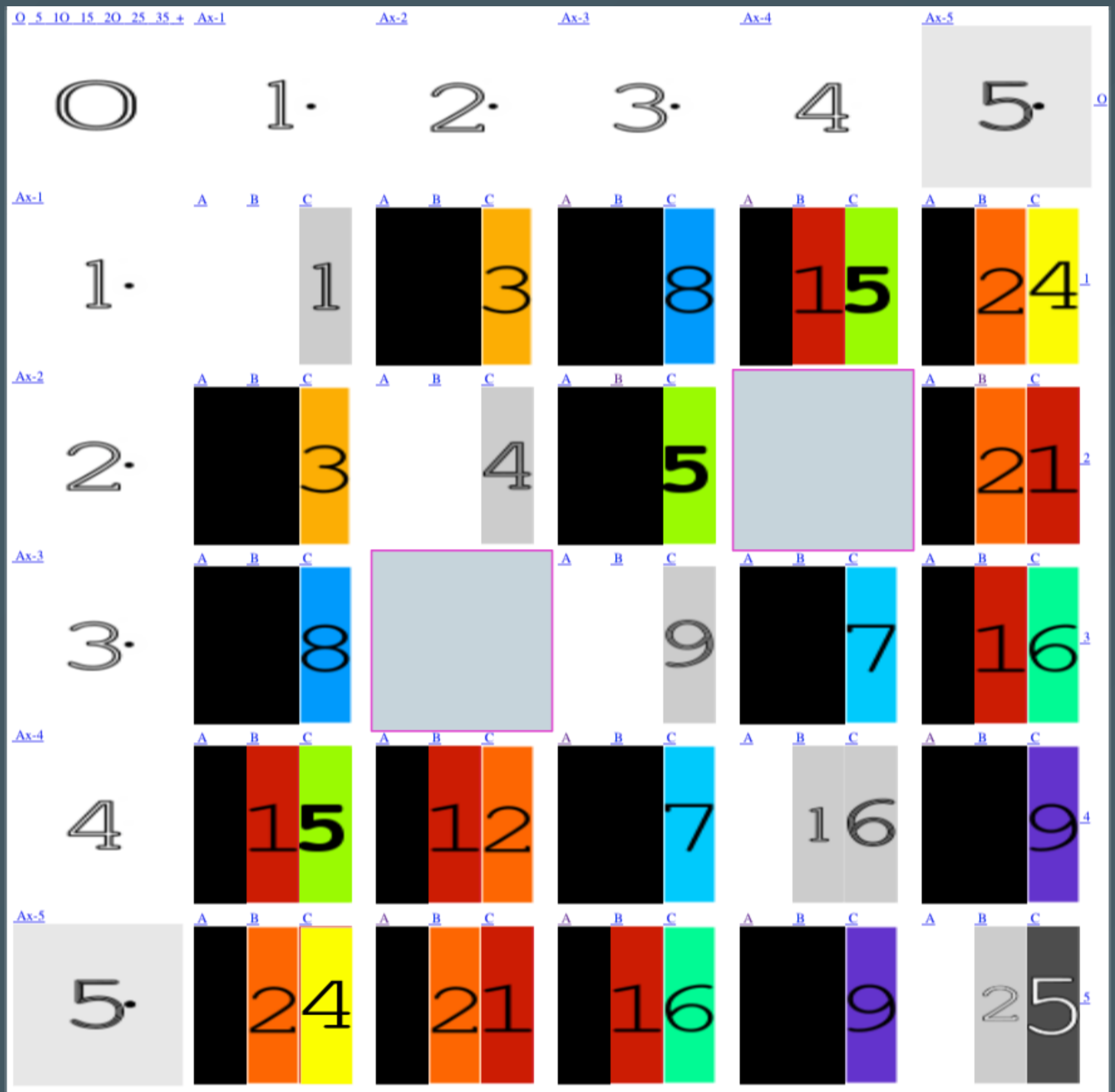
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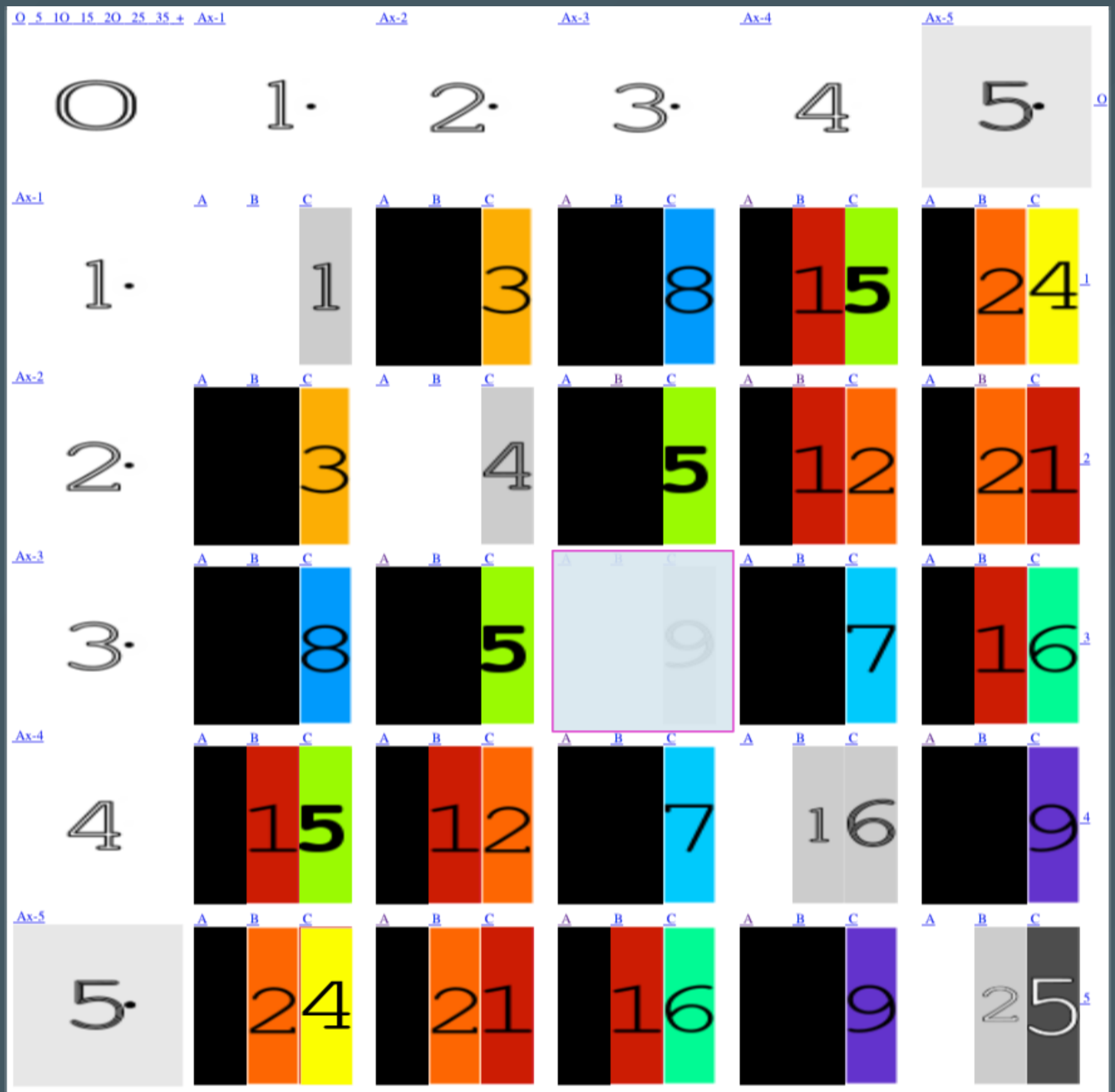
Brooks (Base) Square -5. Copyright© 2011-16, Reginald Brooks. All rights reserved.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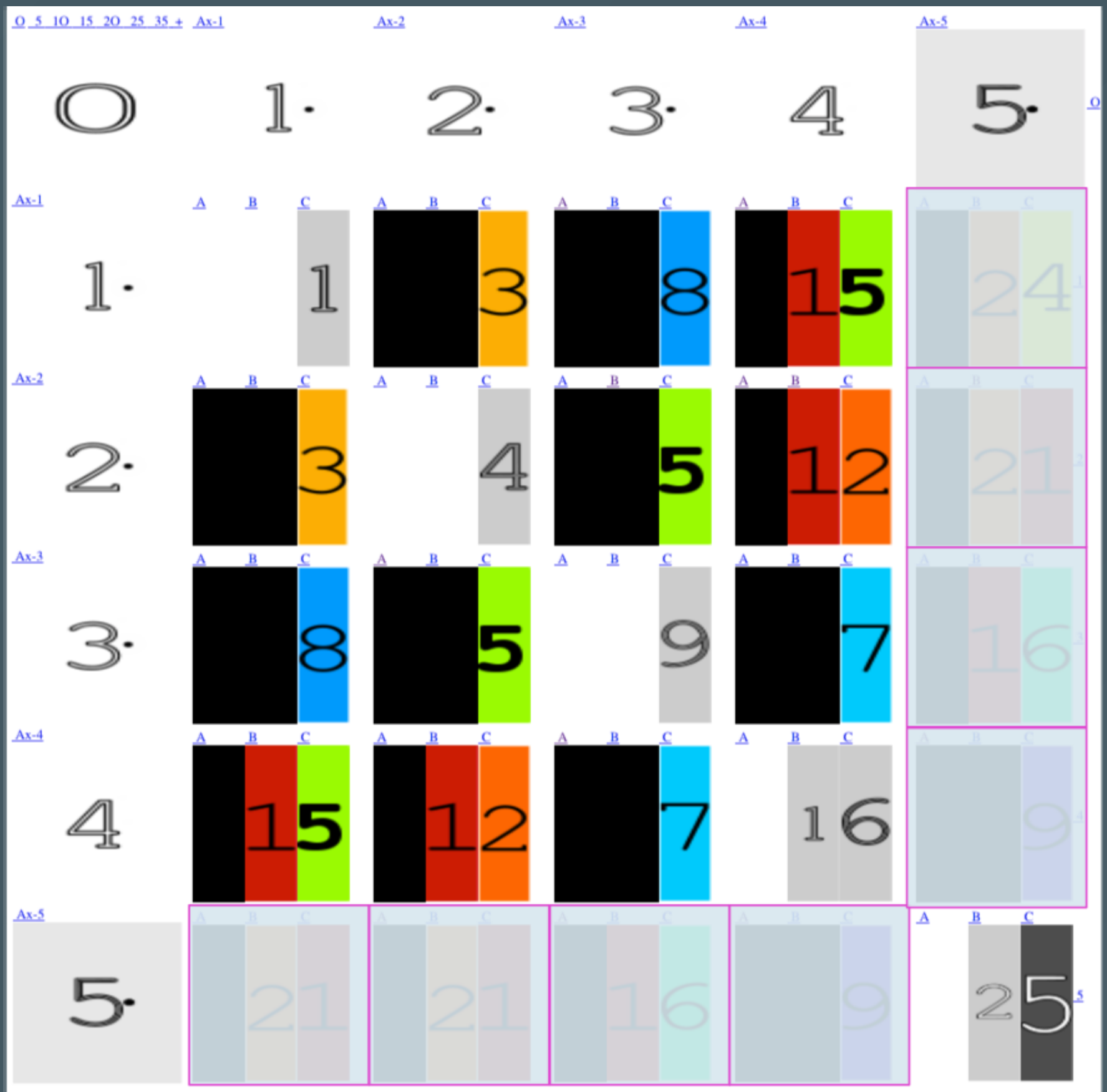
Brooks (Base) Square -5. Copyright© 2011-16, Reginald Brooks. All rights reserved.



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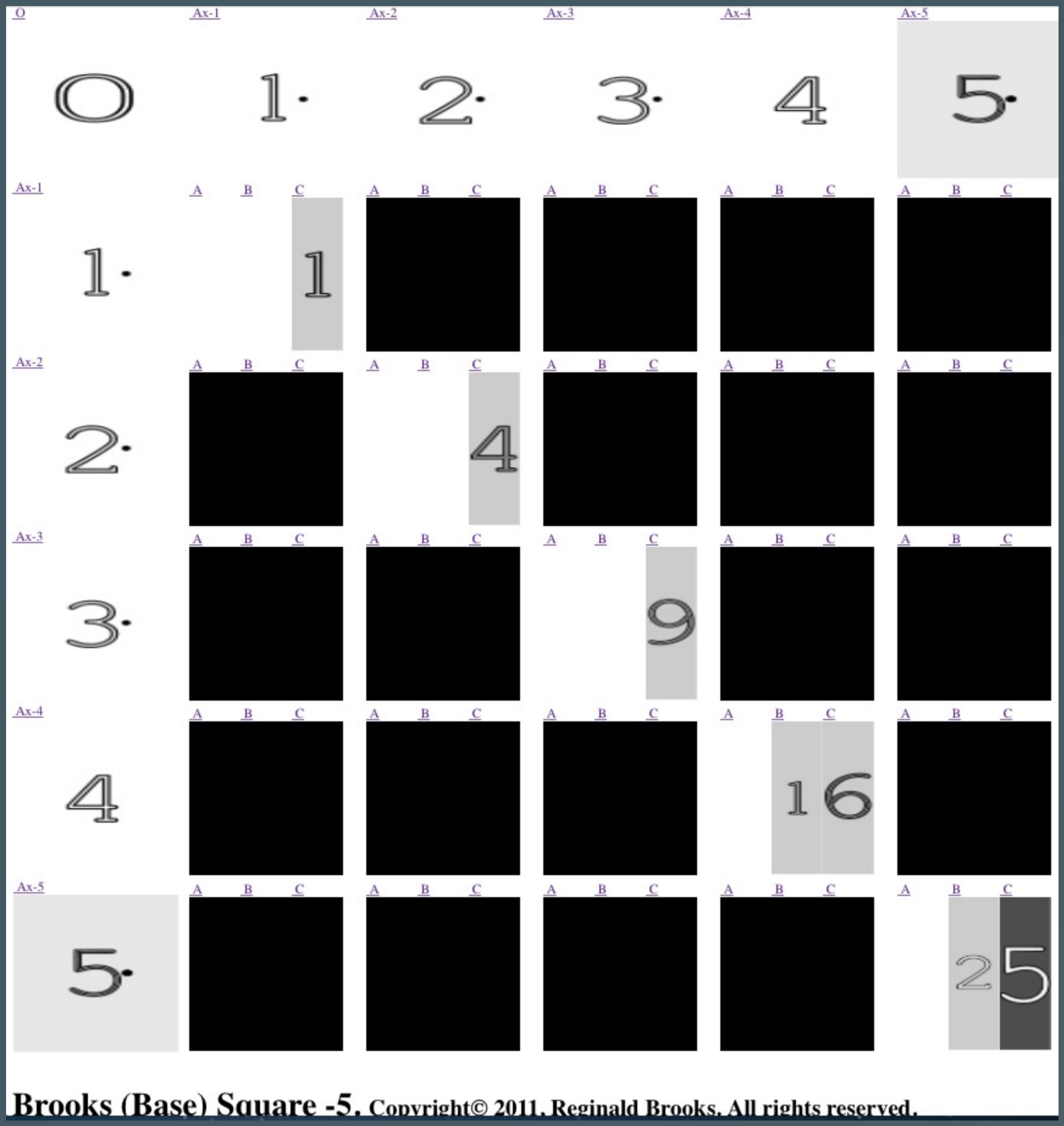

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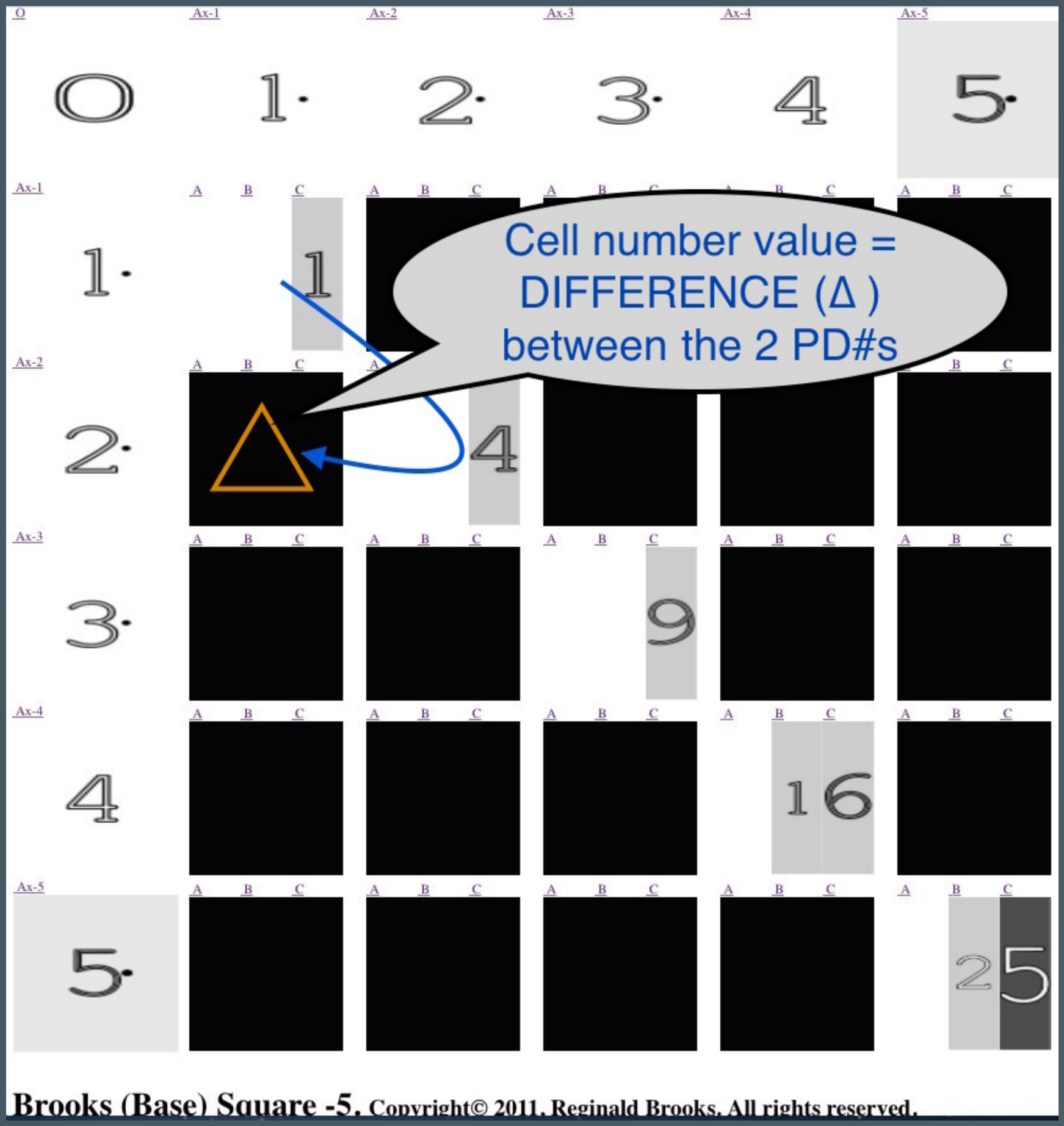
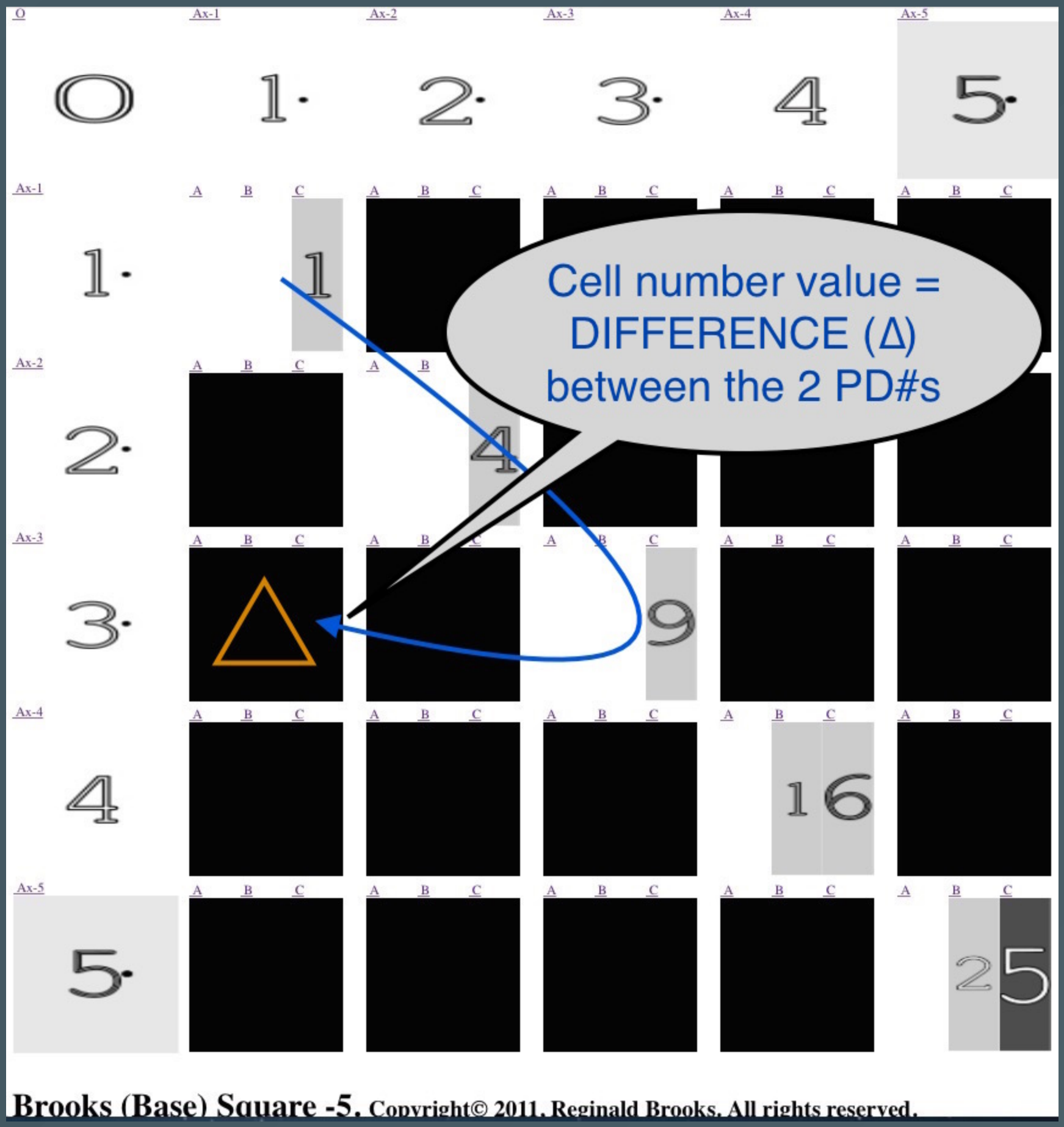
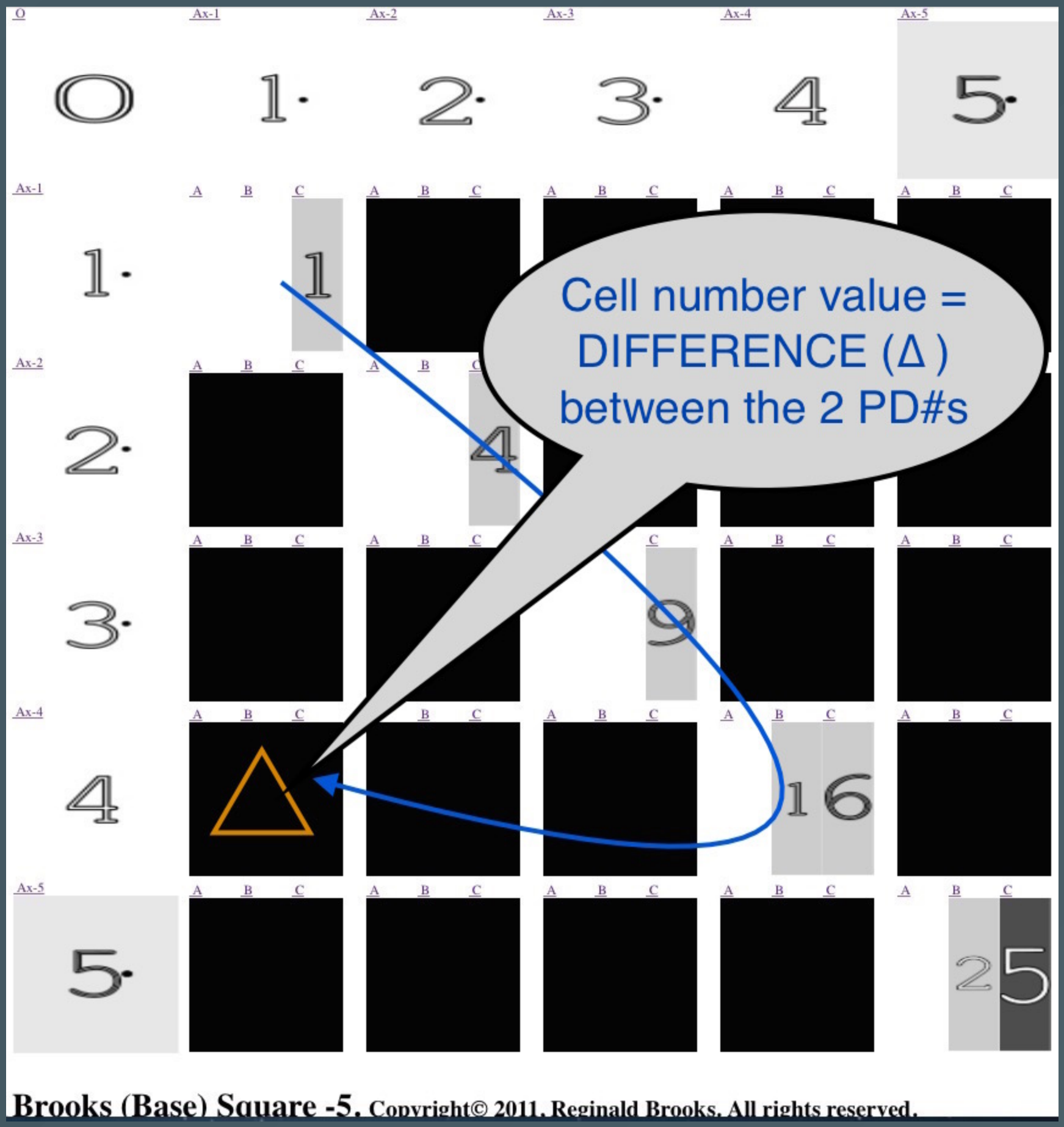
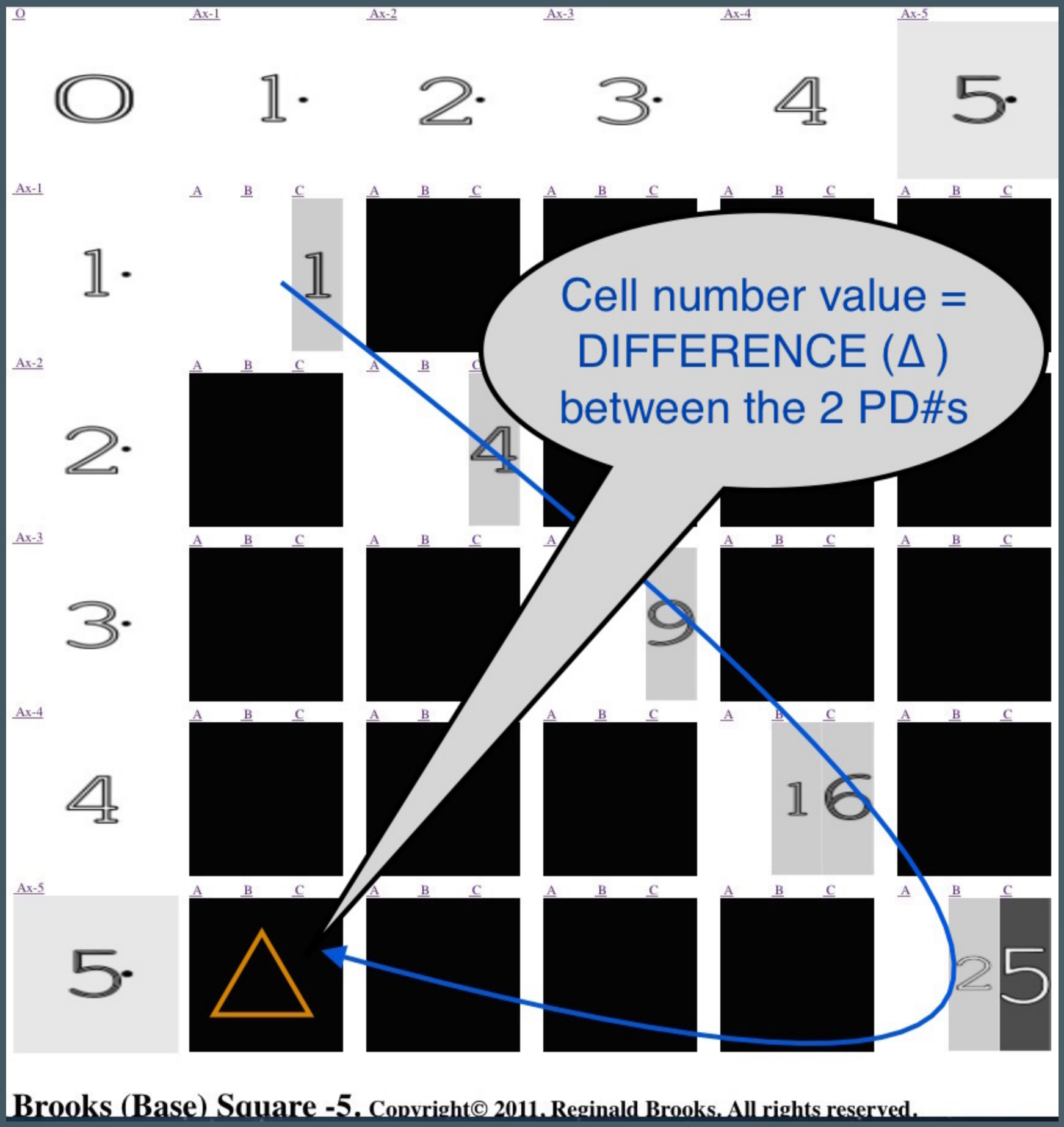

Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
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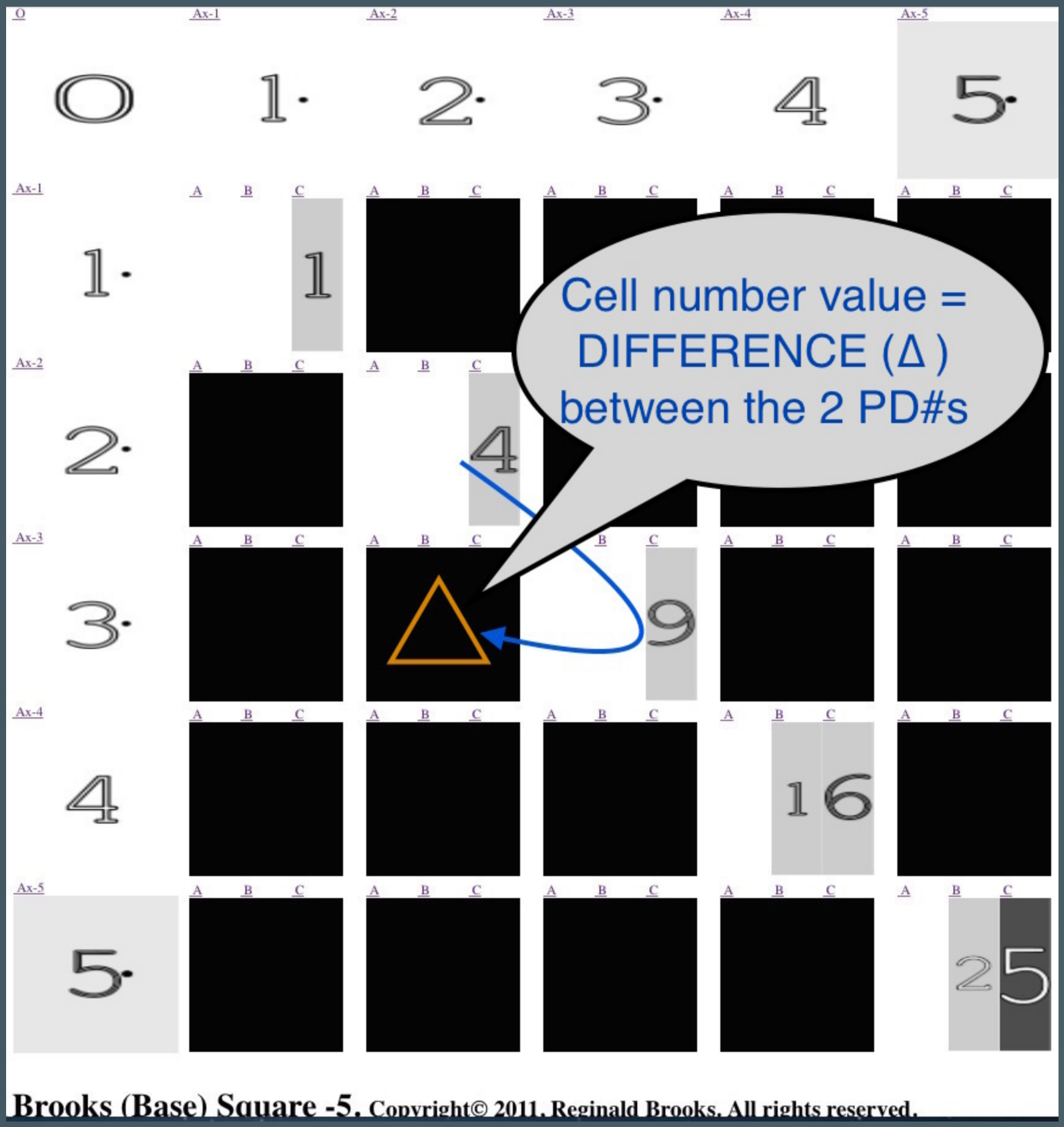
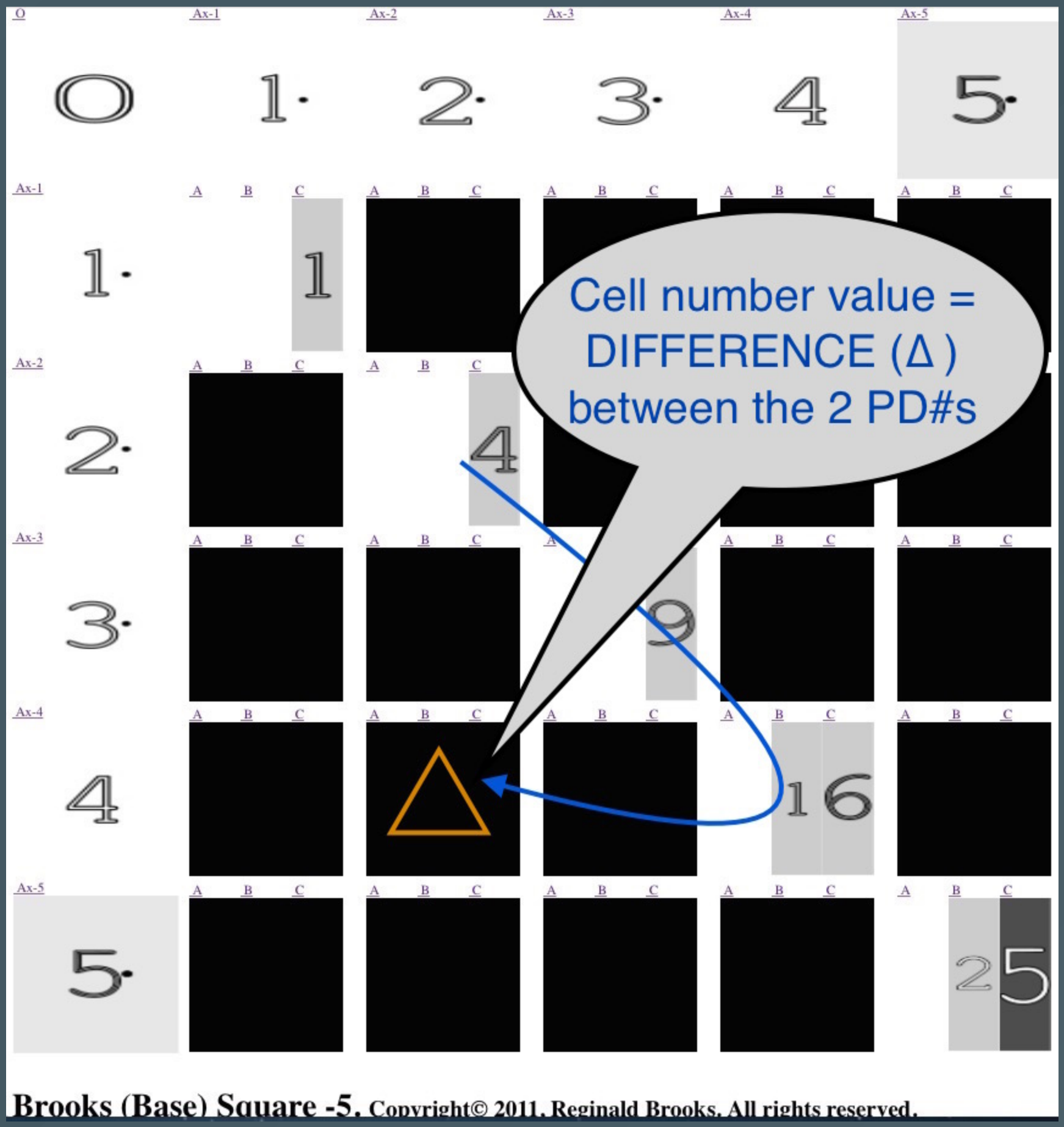
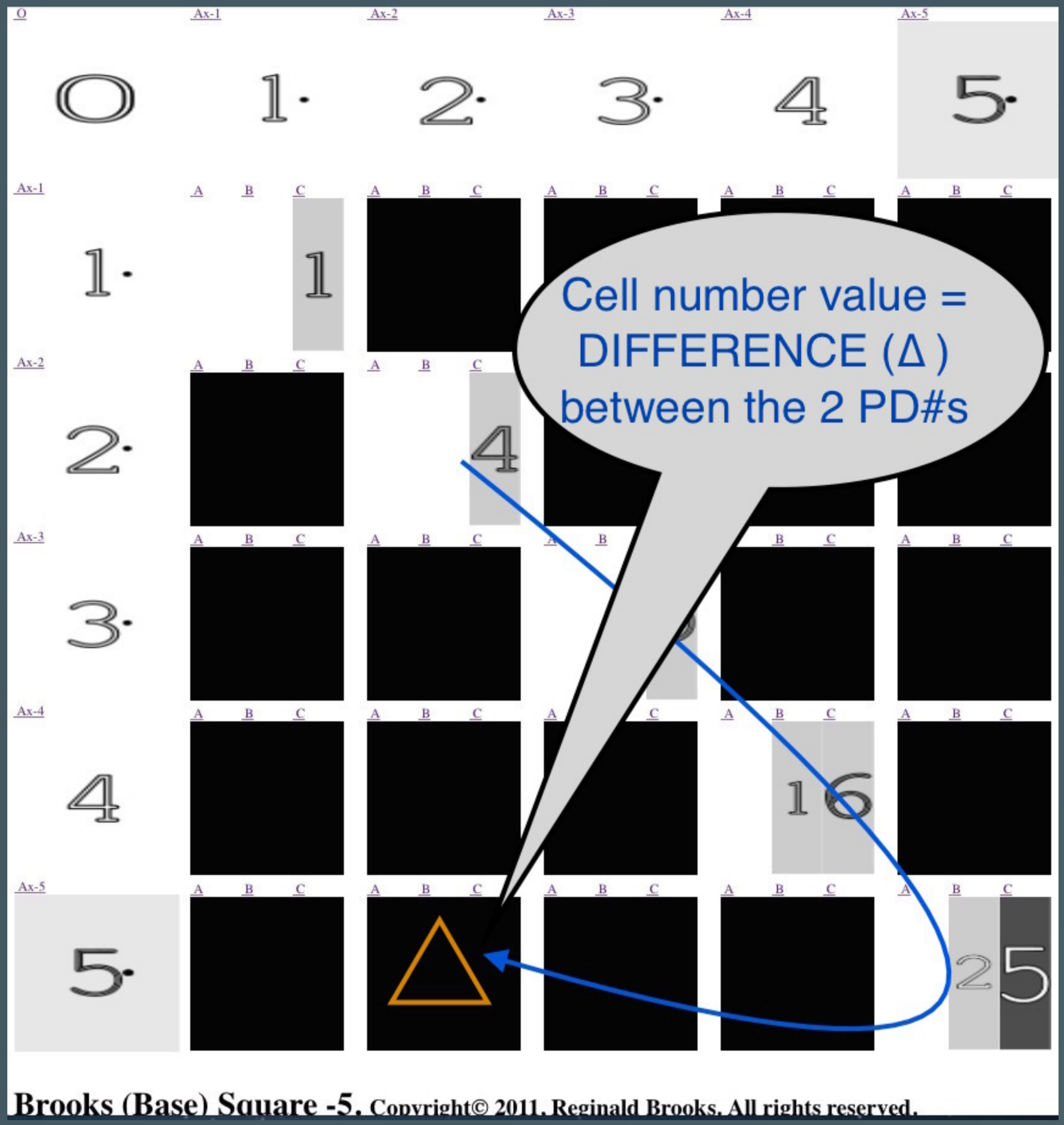

Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
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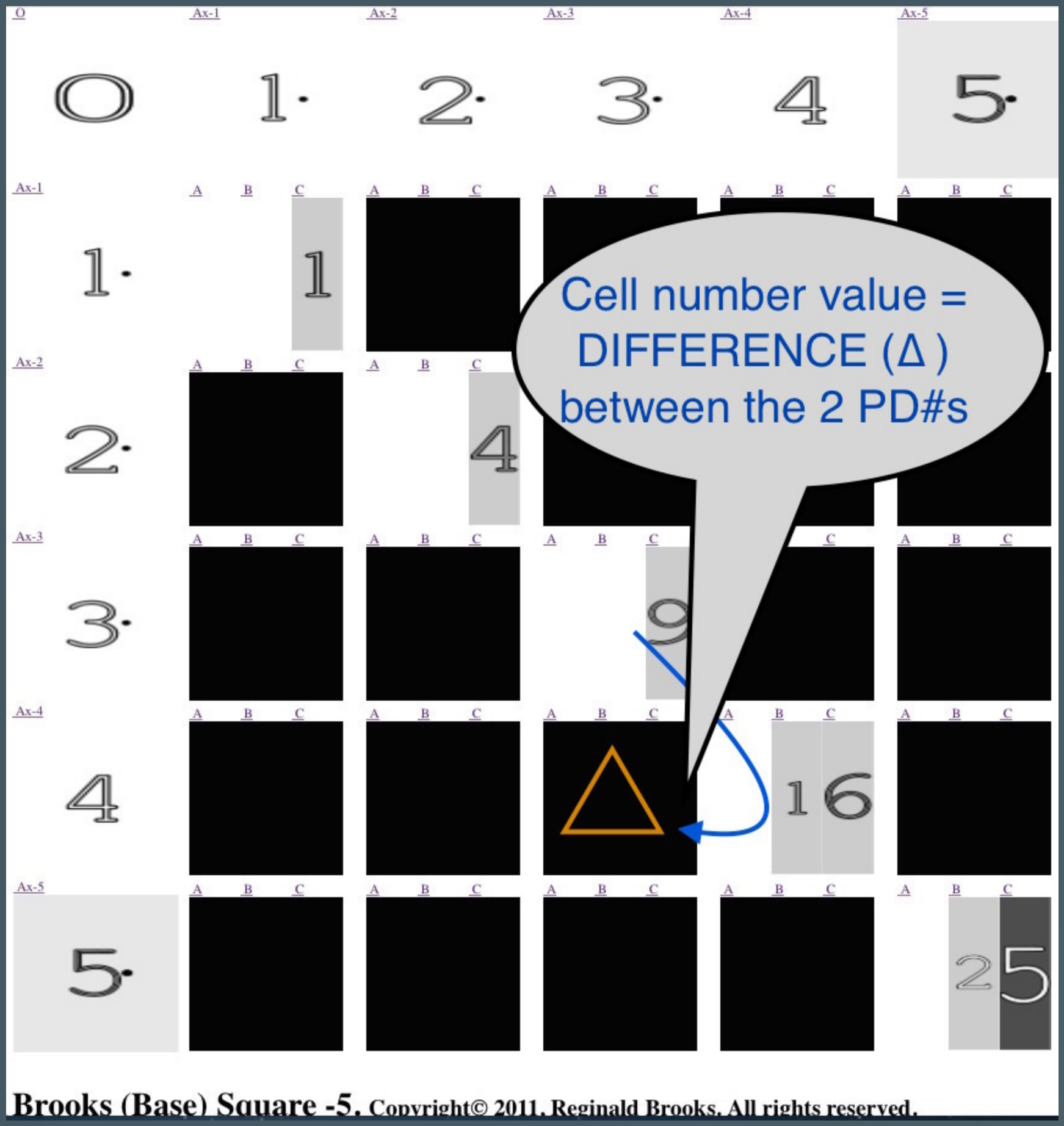
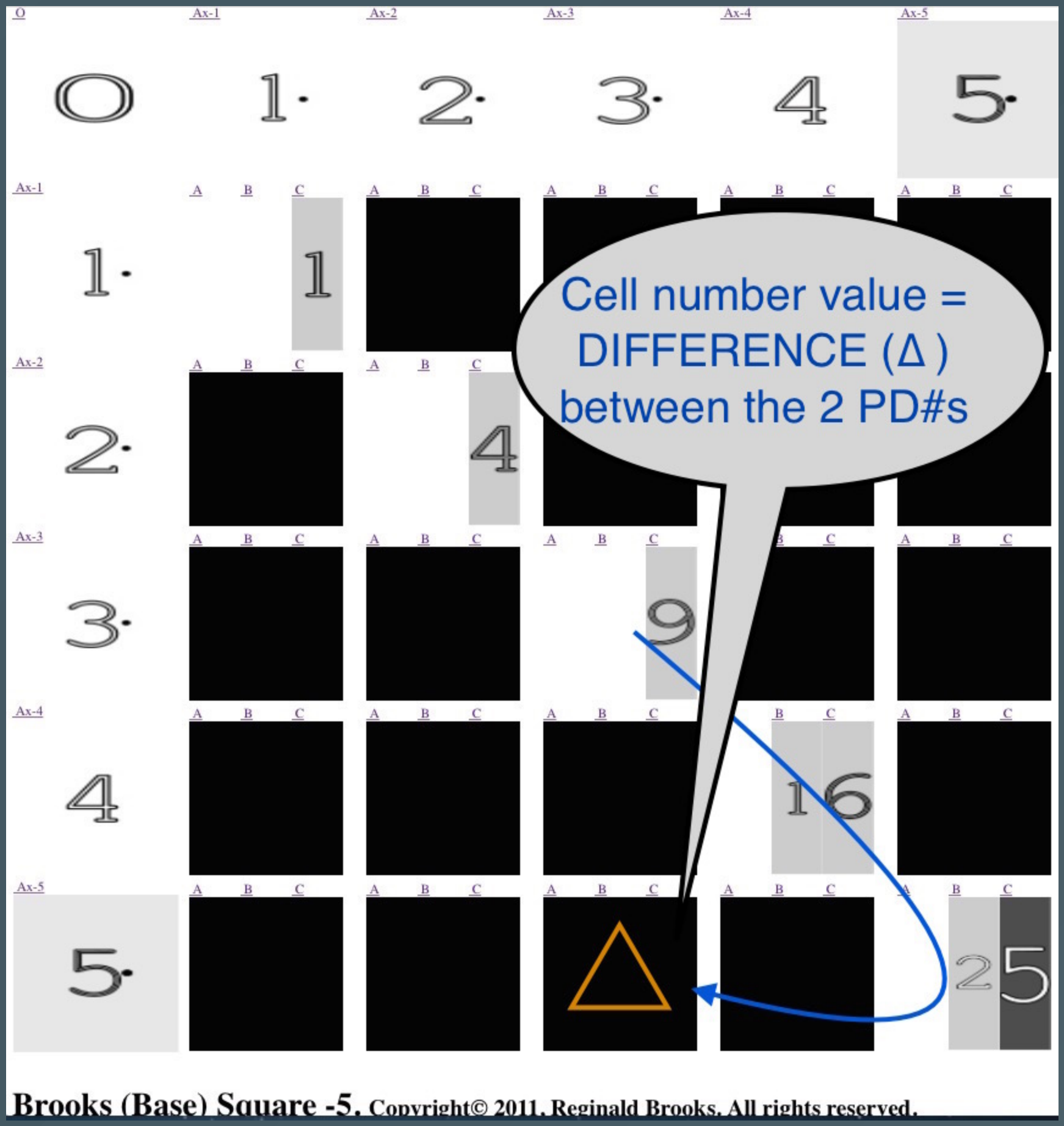
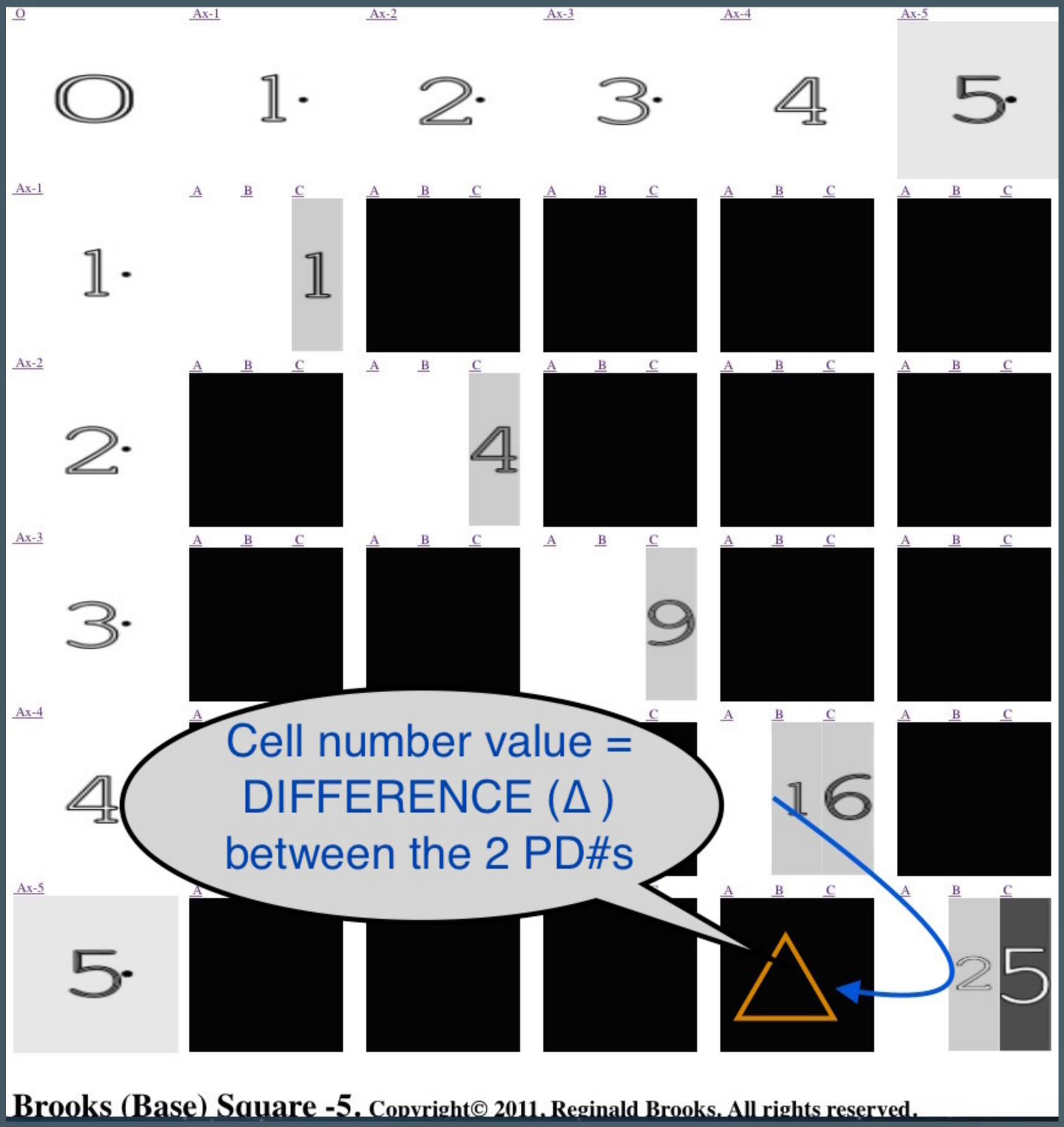
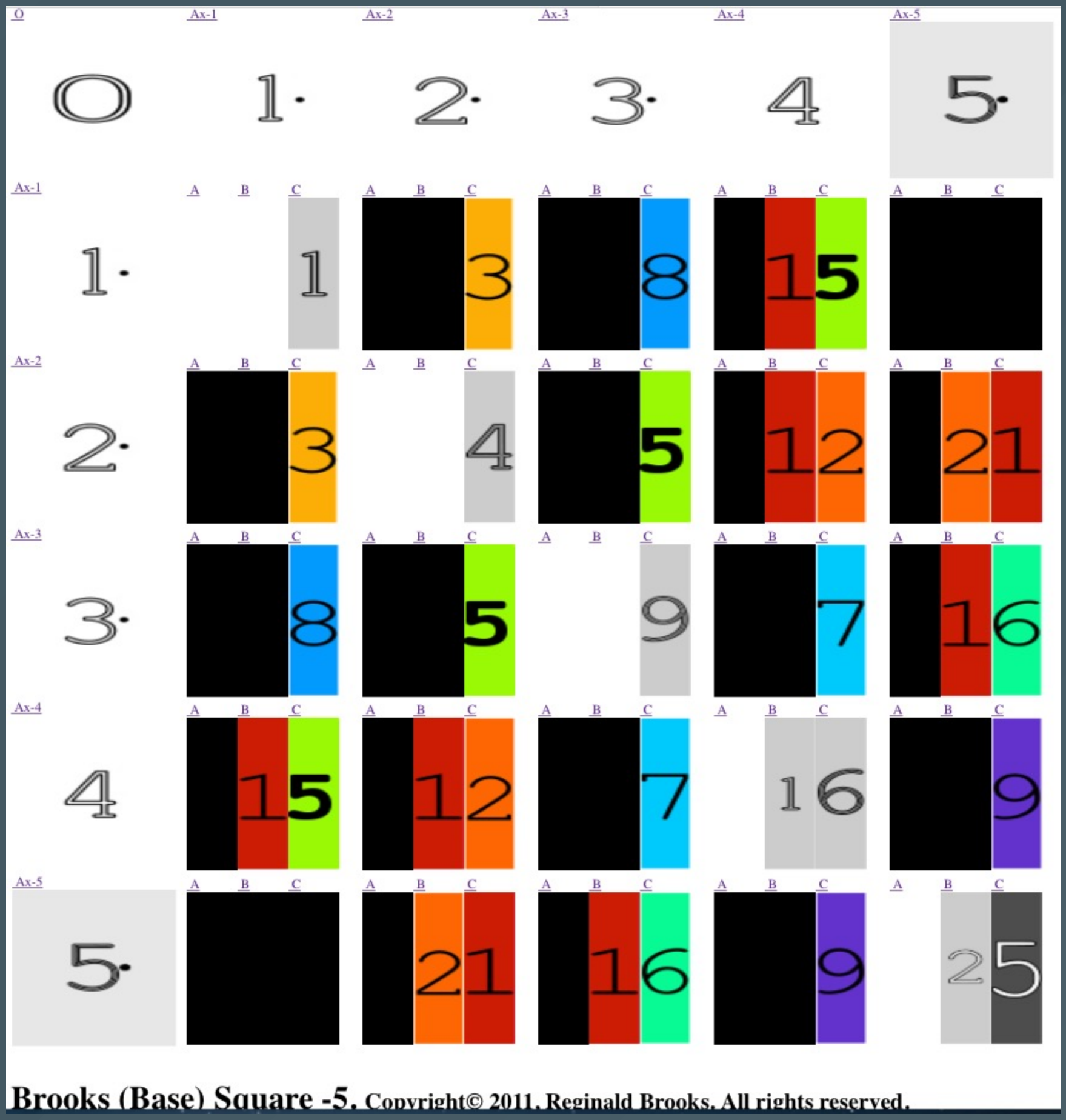
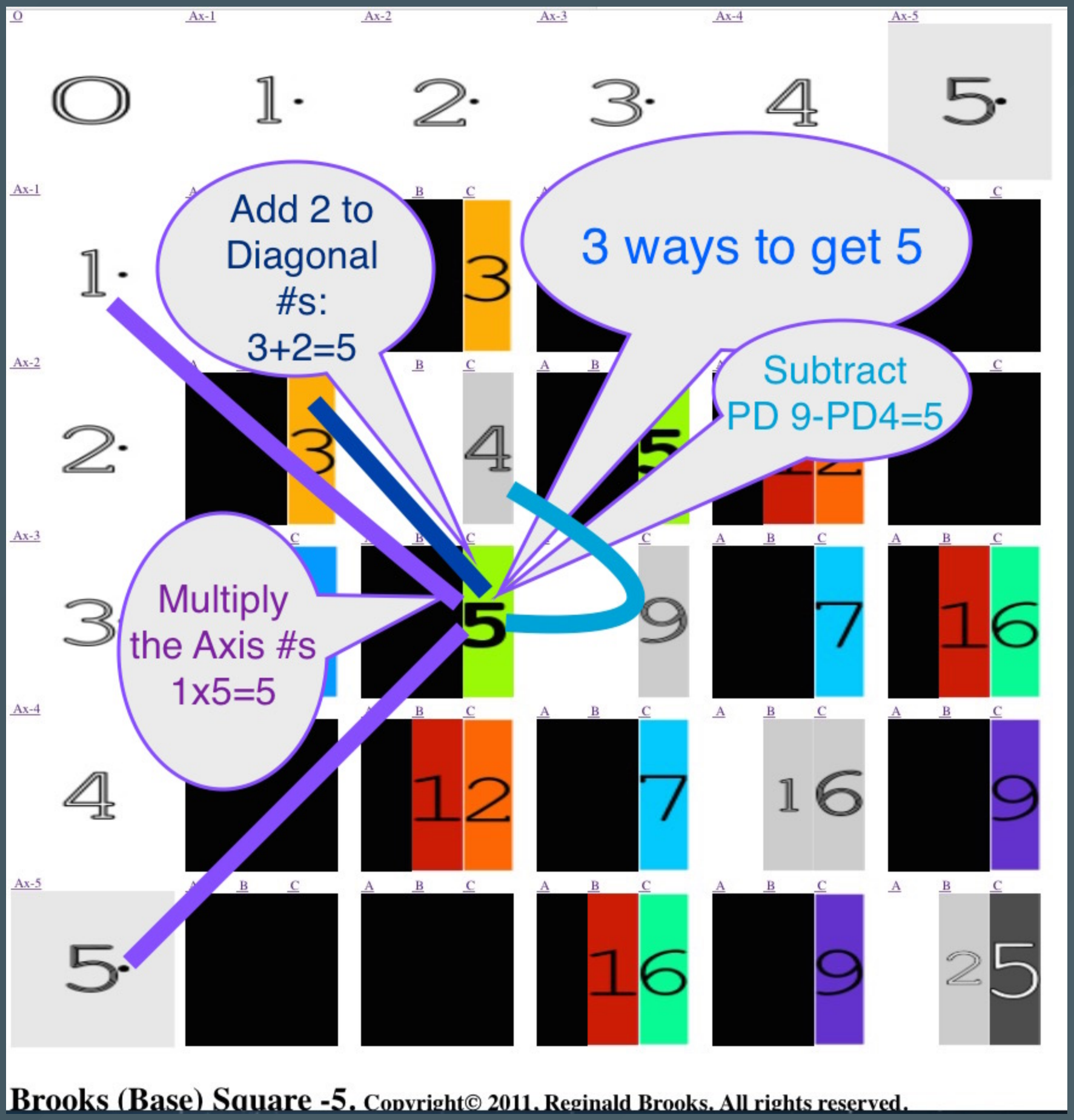
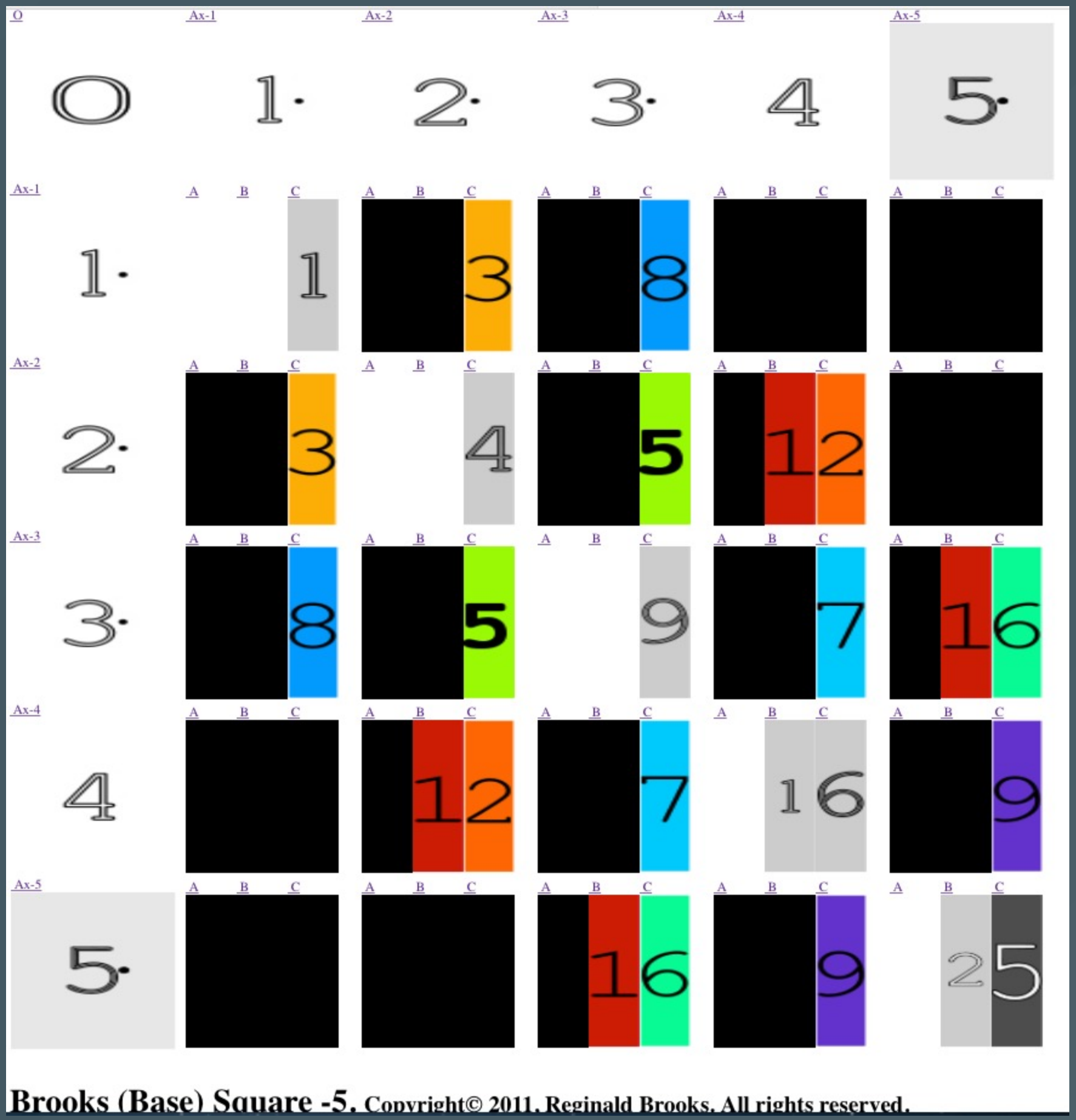

Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.

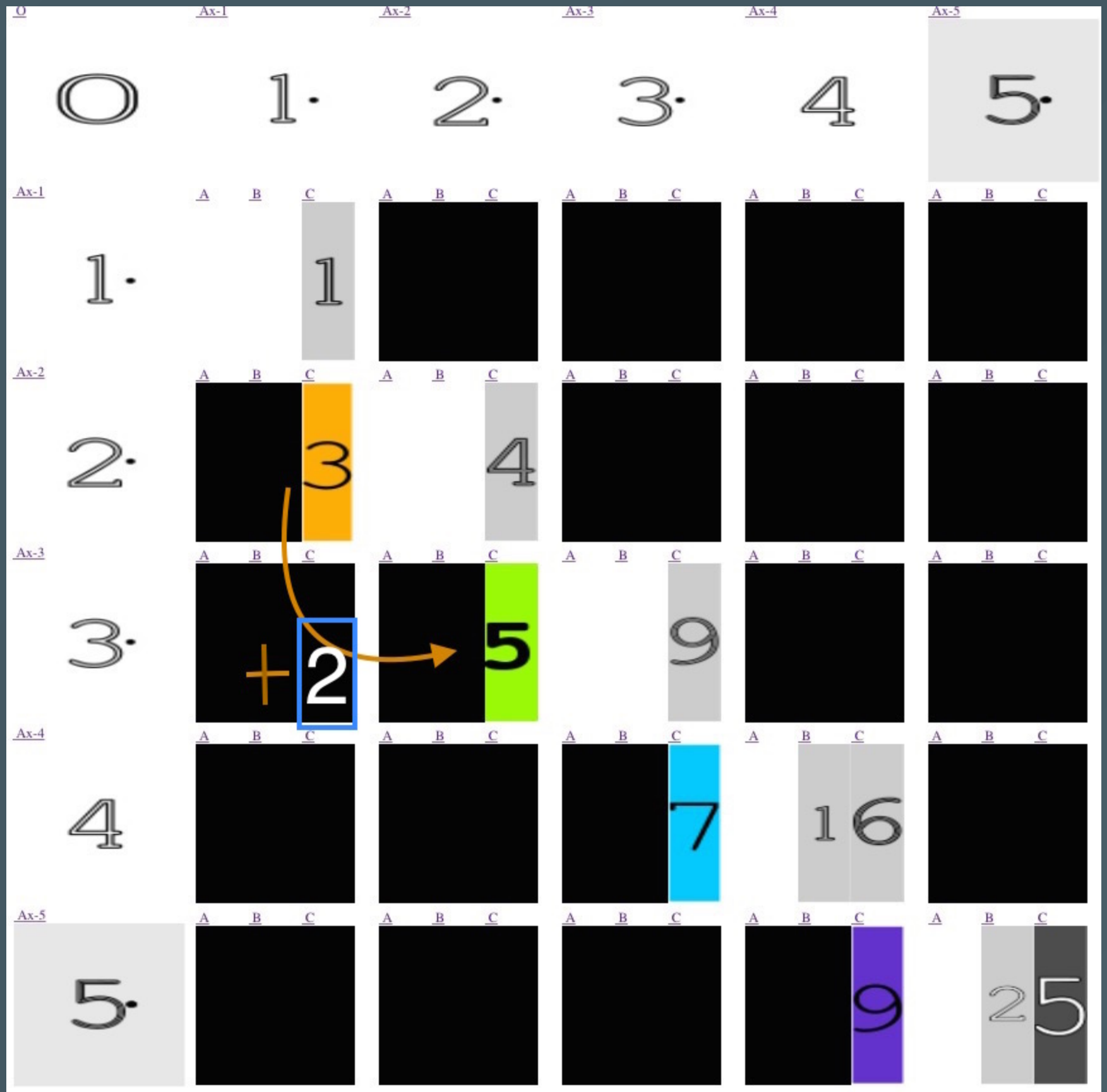

O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
0
1·
2·
3·
4
5·
A B C
1
4
9
16
25
Cell number value = DIFFERENCE (Δ) between the 2 PD#s
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.

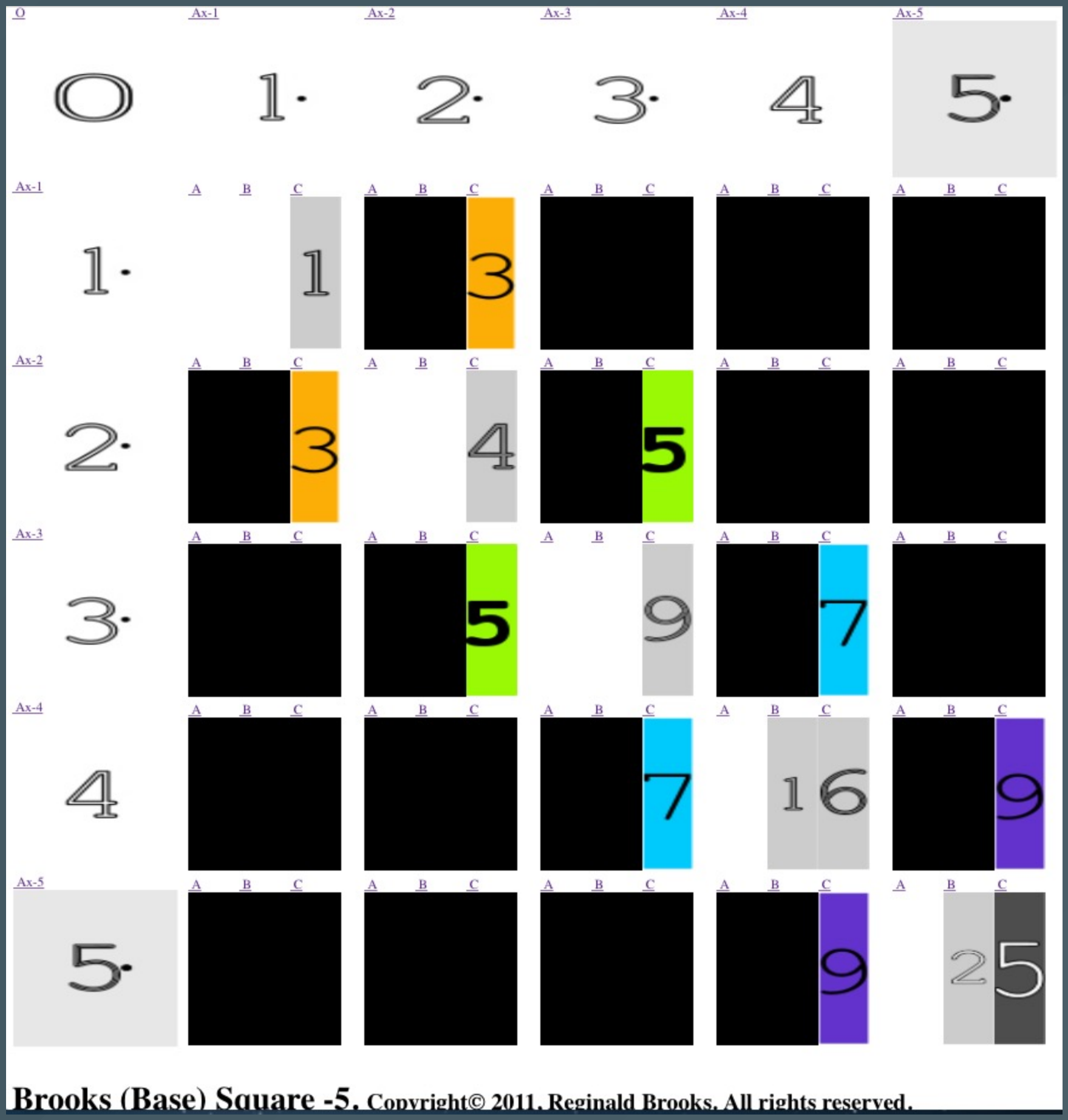

O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
A B C
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks. All rights reserved.

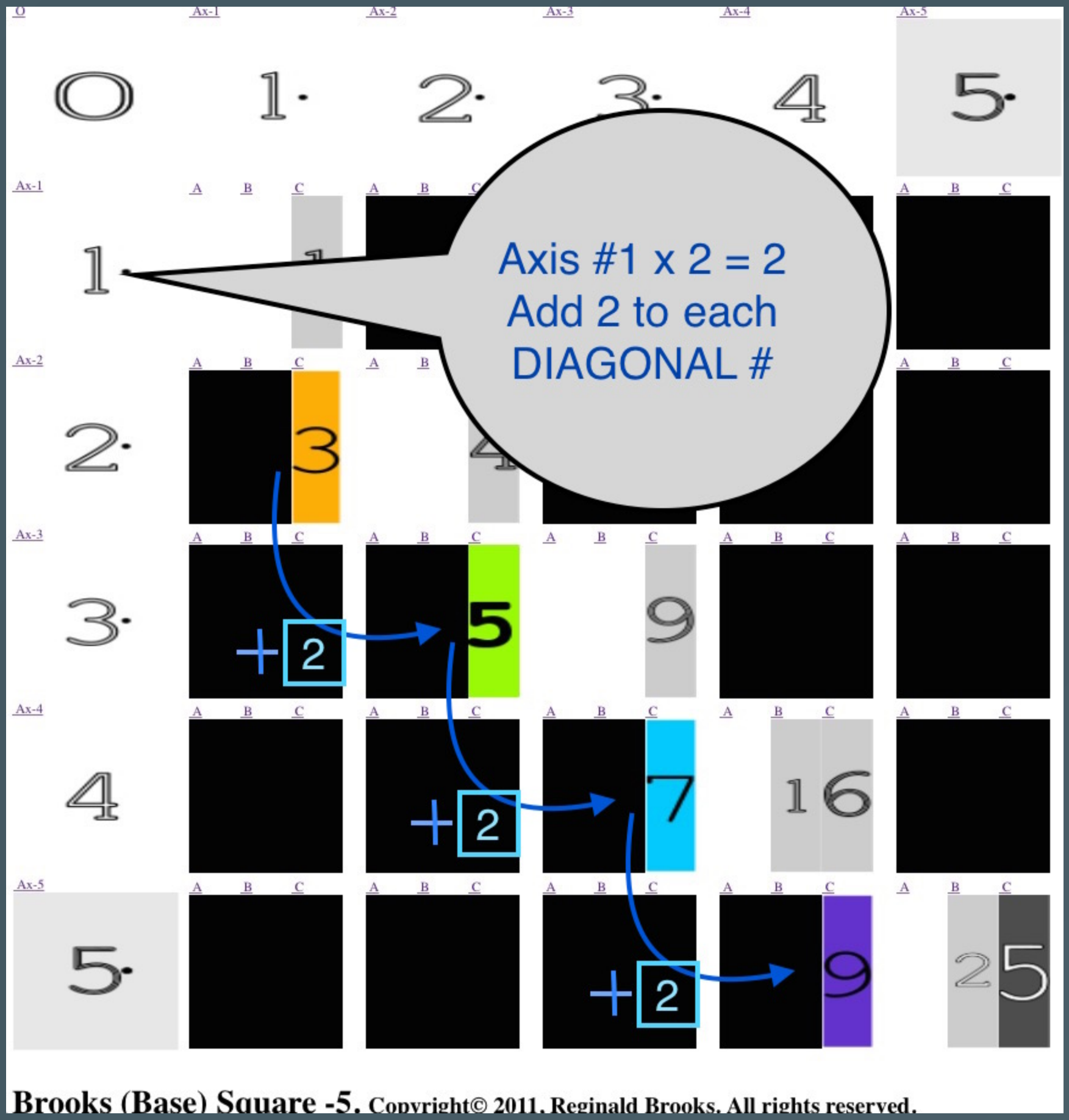

Add 2 to Diagonal #s: 3+2=5
3 ways to get 5
Subtract PD 9-PD4=5
Multiply the Axis #s 1x5=5
Brooks (Base) Square -5. Copyright© 2011. Reginald Brooks. All rights reserved.



Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
A B C
+2
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
0
1·
2·
3·
4
5·
A B C
1
3
3
4
5
5
9
7
7
16
9
9
25
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.


Axis #1 x 2 = 2
Add 2 to each
DIAGONAL #
+2
+2
+2
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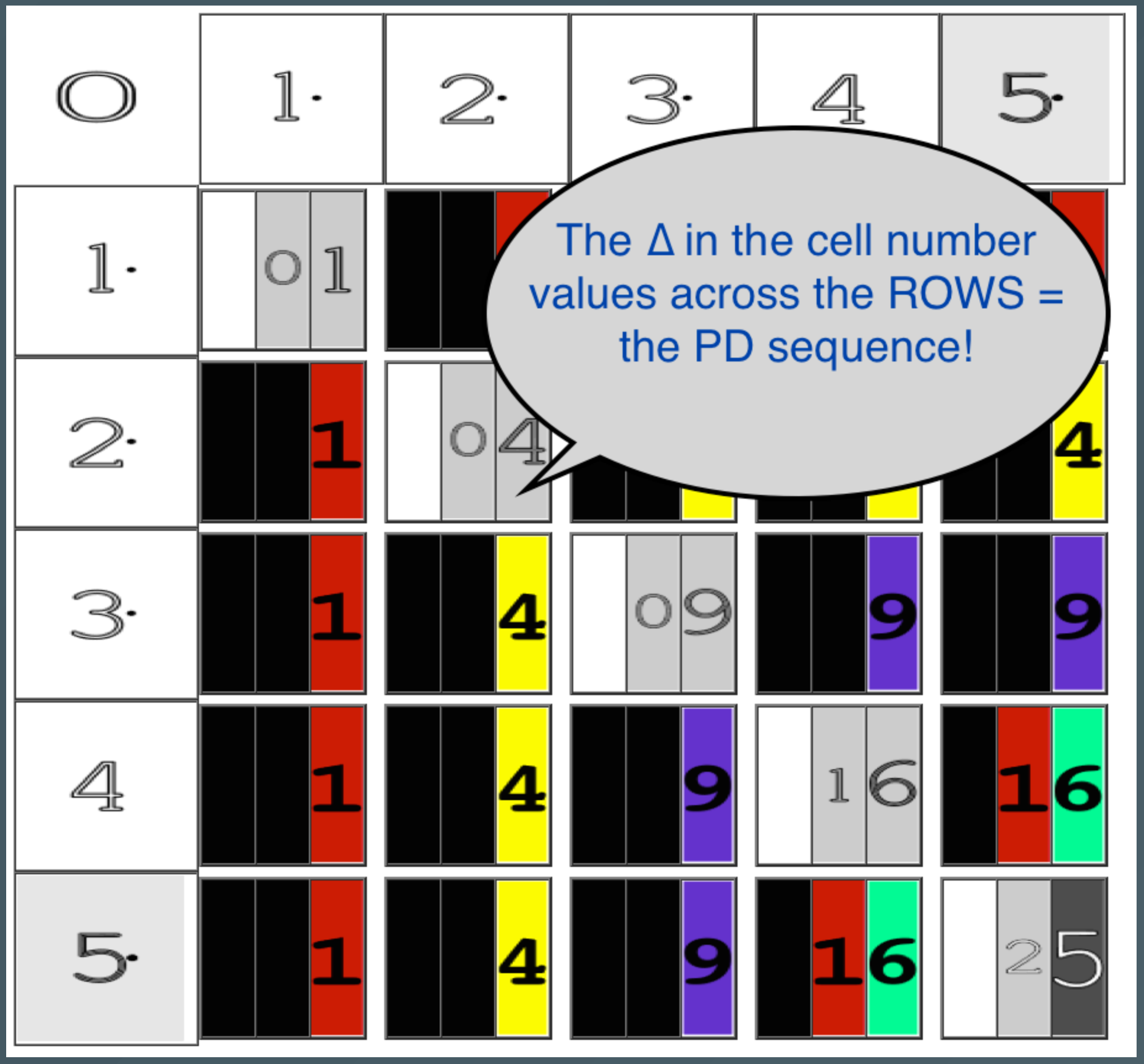
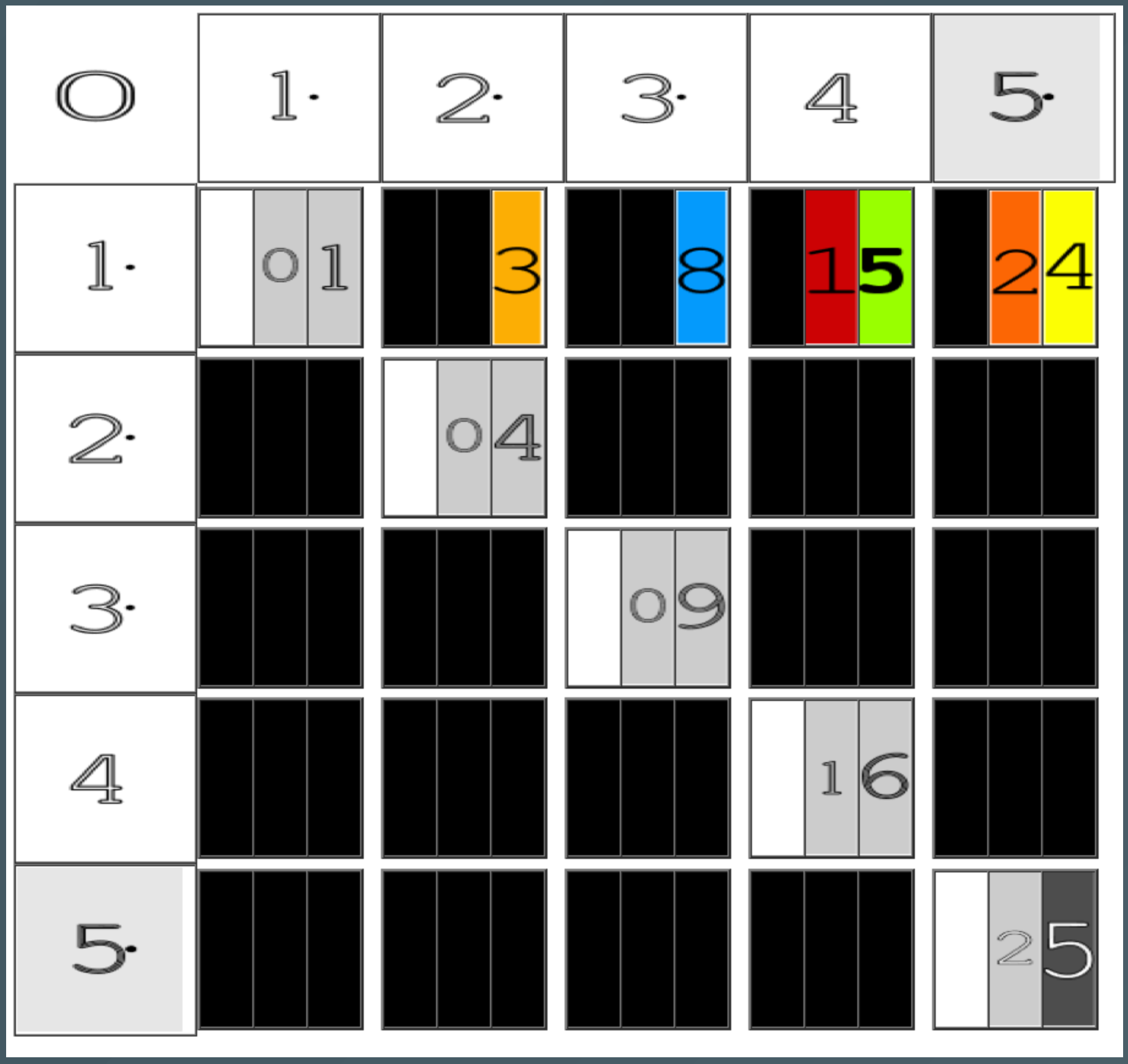
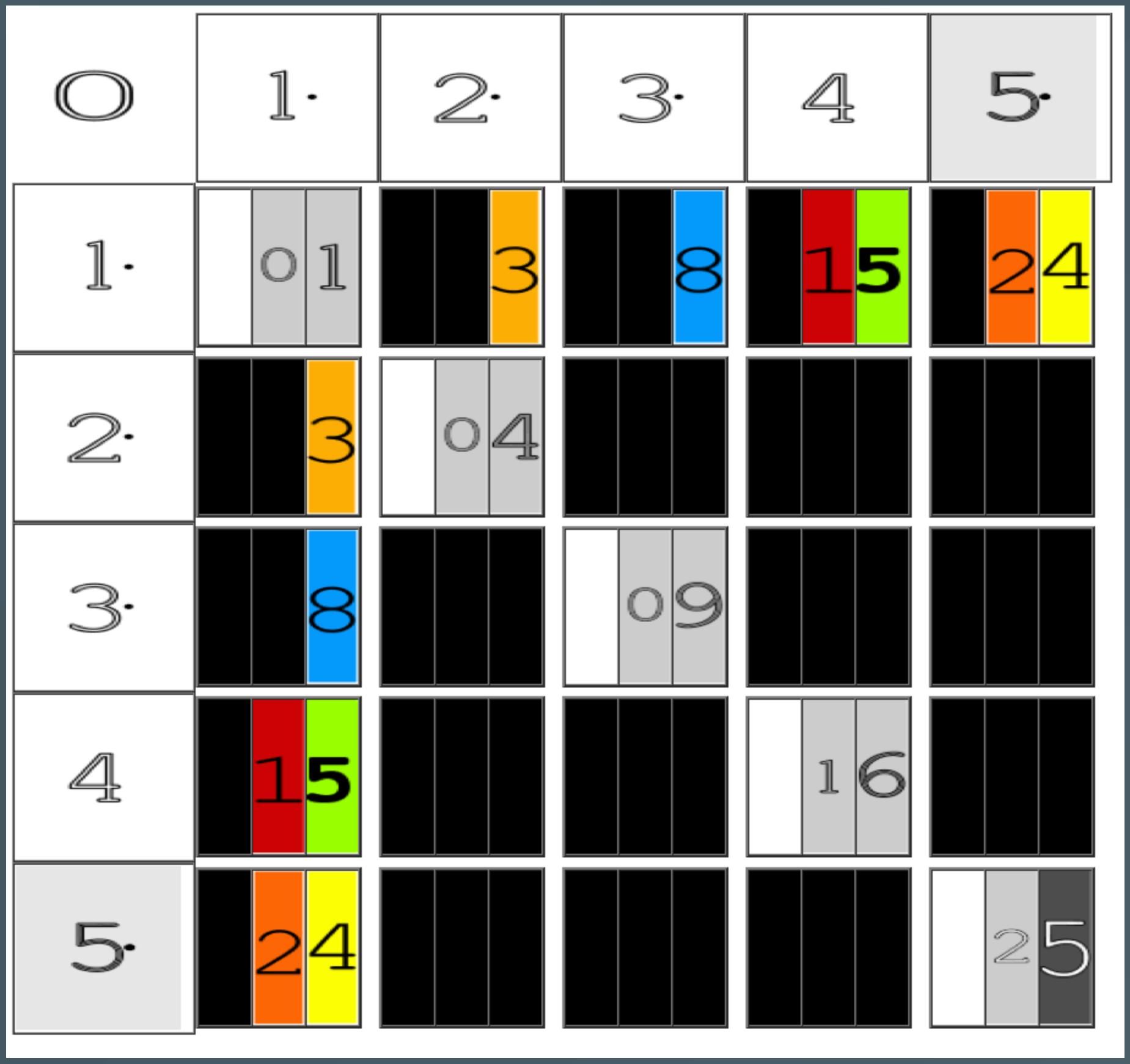

0
1.
2.
3.
4
5.
1.
2.
3.
4
5.
01
1
04
4
1
4
09
9
9
1
4
9
16
16
1
4
9
16
25
The Δ in the cell number values across the ROWS = the PD sequence!


0
1.
2.
3.
4
5.
1.
01
3
8
15
24
2.
04
3.
09
4
16
5.
25

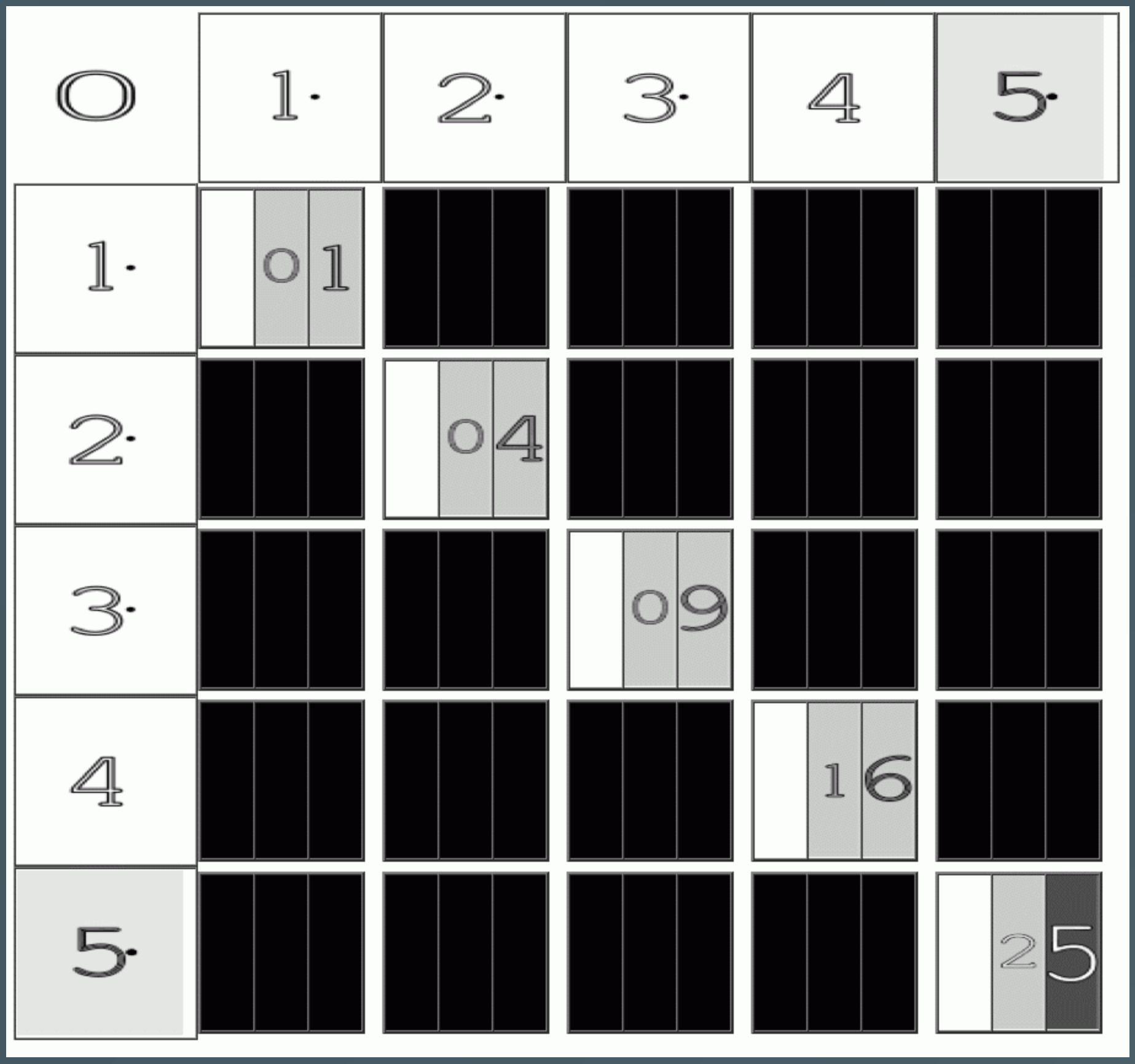

0
1.
2.
3.
4
5.
1.
01
3
8
15
24
2.
3
04
3.
8
09
4
15
16
5.
24
25

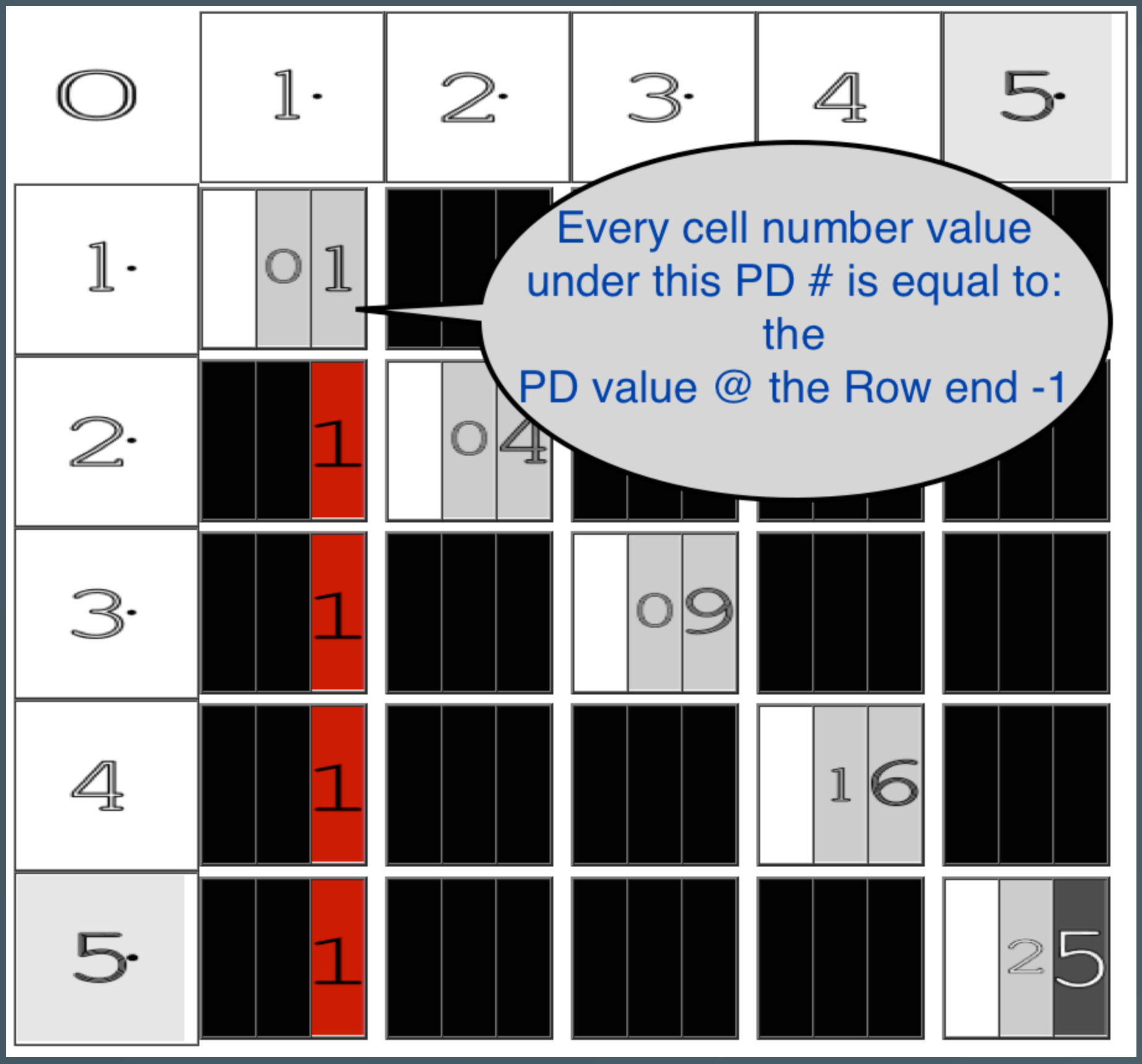
0	1.	2.	3.	4	5.
1.	01	3	8	15	24
2.	3	04	5	12	21
3.	8	5	09		
4	15	12		16	
5.	24	21			25

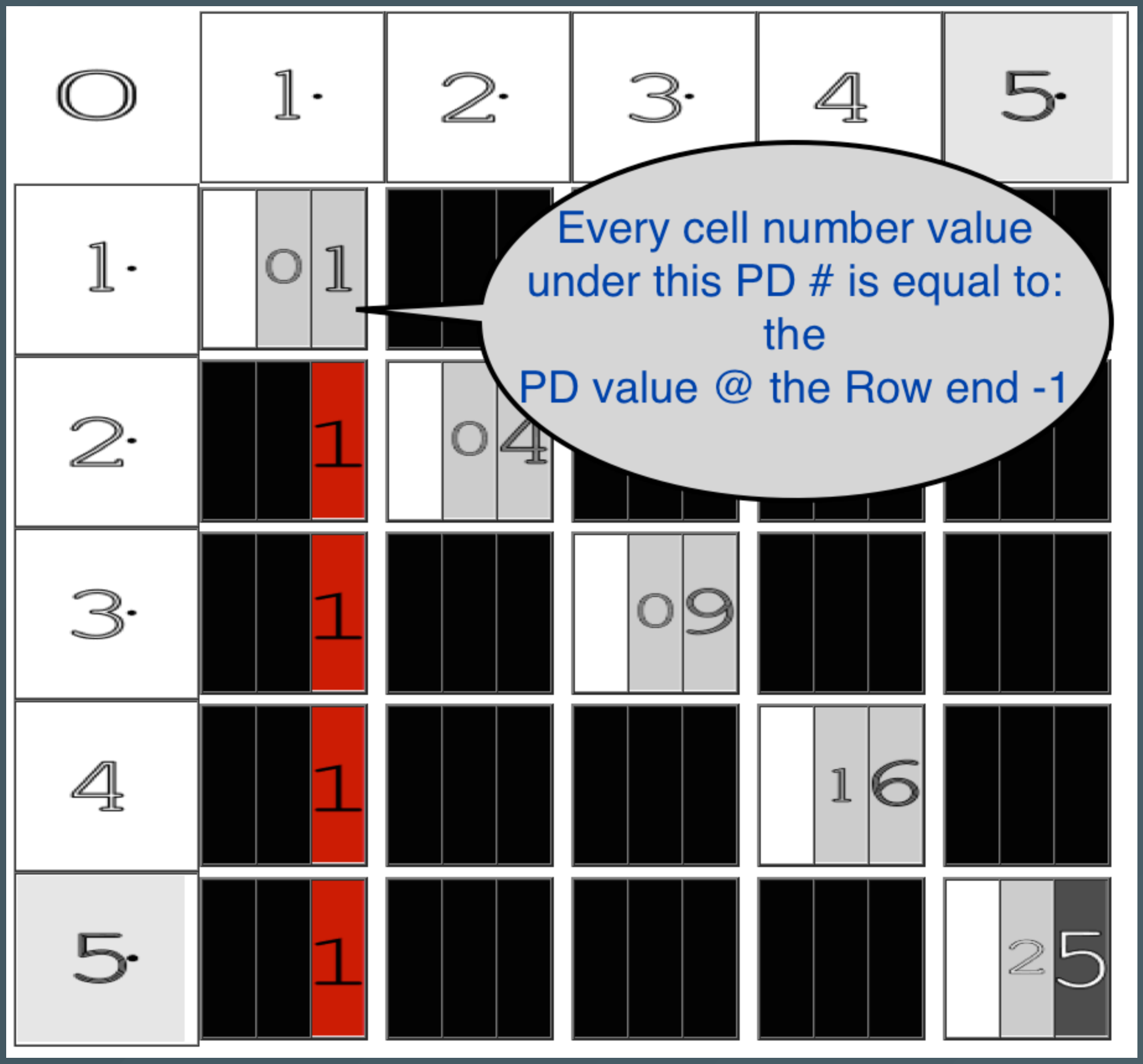
O	1.	2.	3.	4	5.
1.	01	3	8	15	24
2.	3	04	5	12	21
3.	8	5	09	7	16
4	15	12	7	16	
5.	24	21	16		25

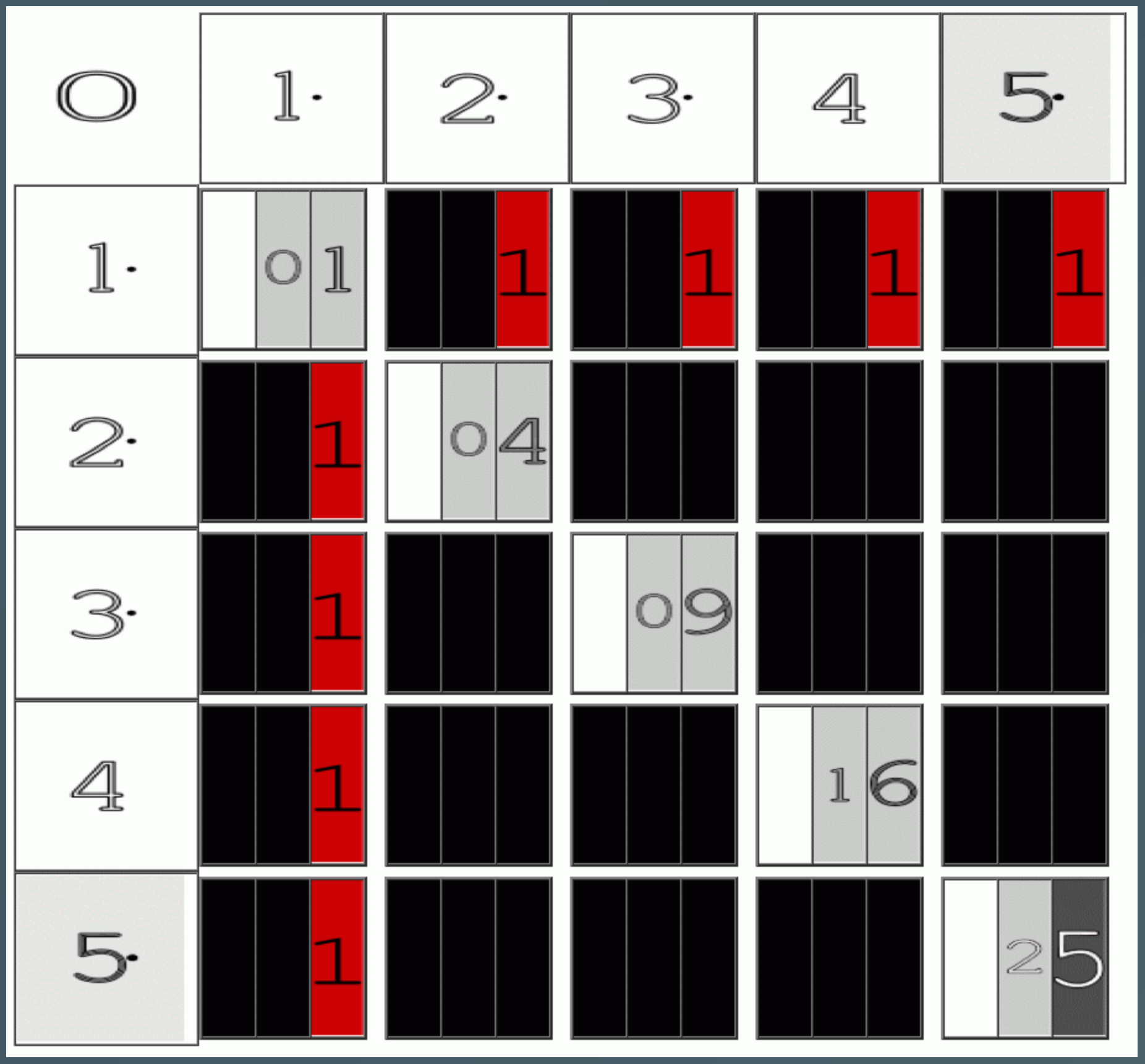
0	1.	2.	3.	4	5.
1.	01	3	8	15	24
2.	3	04	5	12	21
3.	8	5	09	7	16
4	15	12	7	16	9
5.	24	21	16	9	25

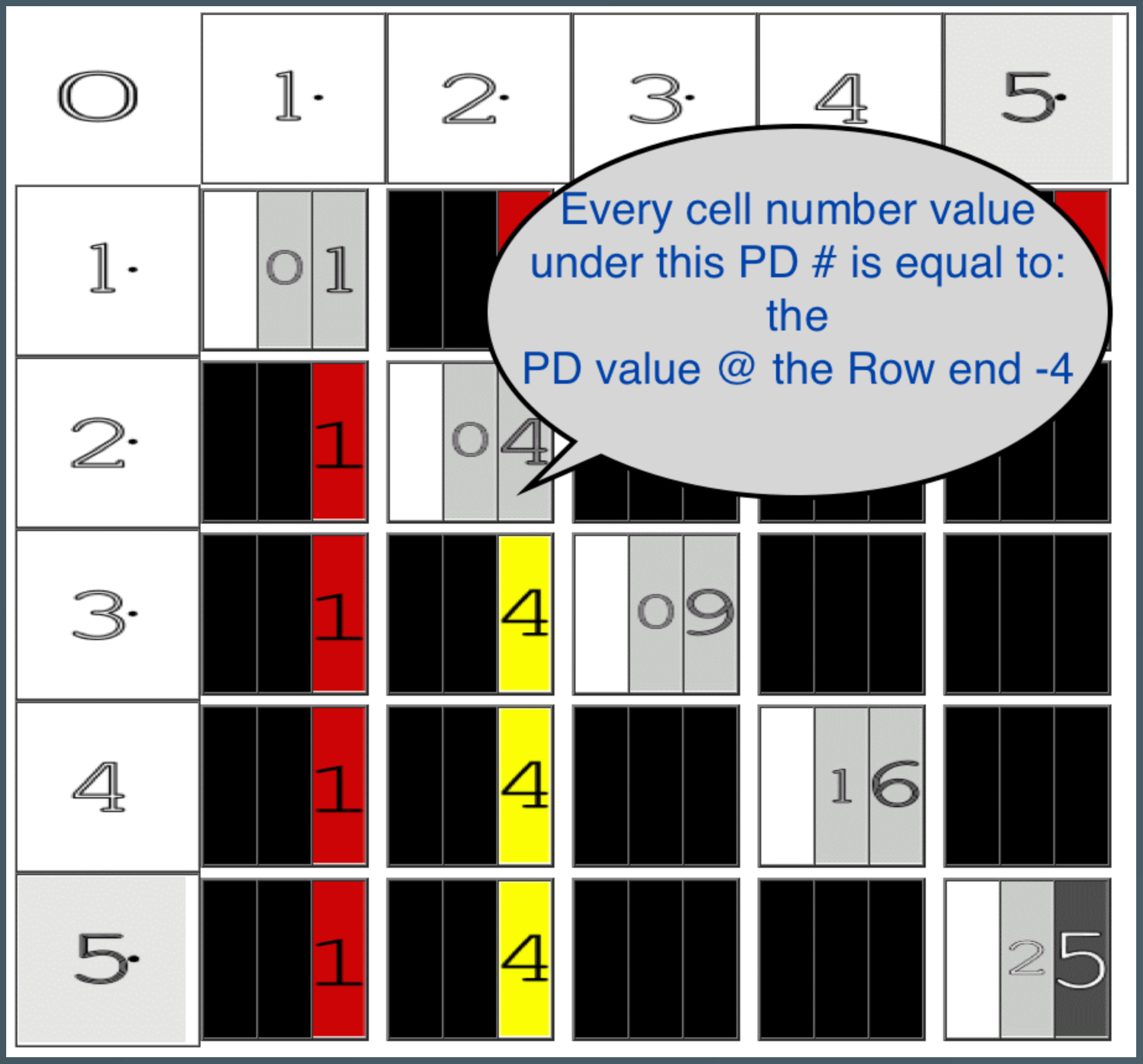
O	1.	2.	3.	4	5.
1.					
2.					
3.					
4					
5.					


0
1.
2.
3.
4
5.
1.
01
2.
04
3.
09
4
16
5.
25

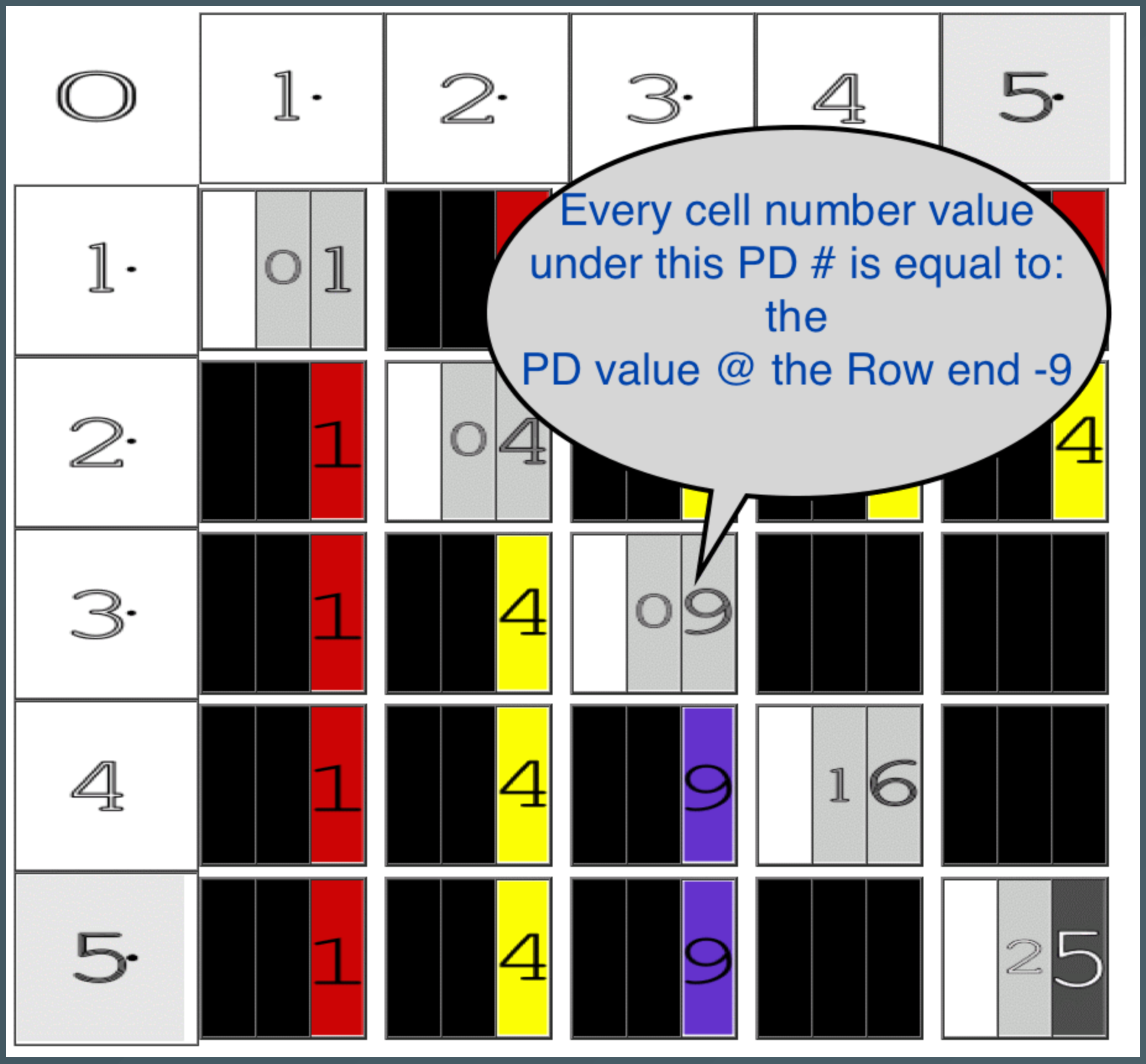

0
1.
2.
3.
4
5.
1.
01
2.
1
04
3.
1
09
4
1
16
5.
1
25
Every cell number value under this PD # is equal to: the PD value @ the Row end -1

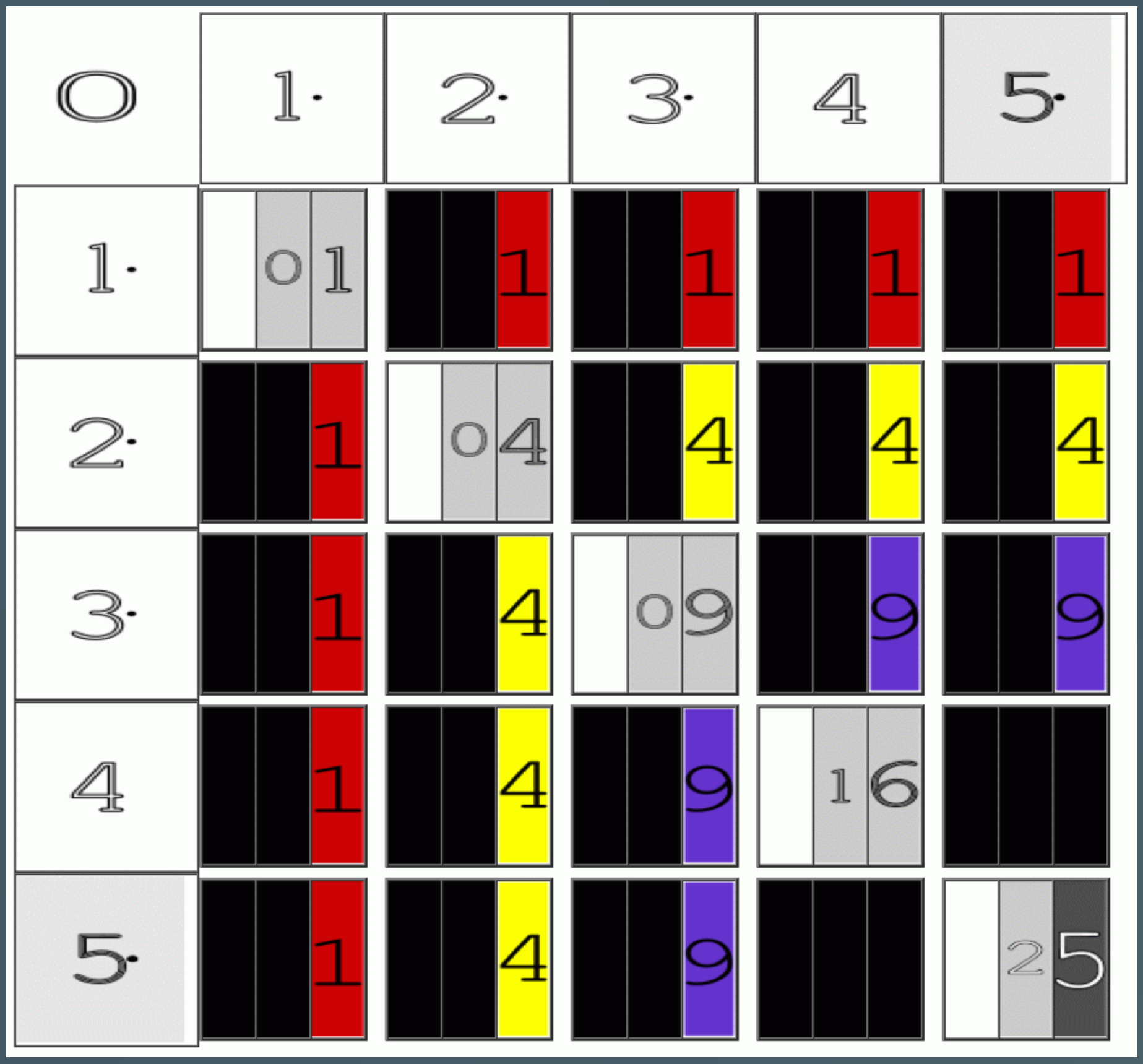

0
1.
2.
3.
4
5.
1.
01
2.
1
04
3.
1
09
4
1
16
5.
1
25
Every cell number value under this PD # is equal to: the PD value @ the Row end -1


0
1.
2.
3.
4
5.
1.
01
1
1
1
2.
1
04
3.
1
09
4
1
16
5.
1
25


0
1.
2.
3.
4
5.
1.
01
2.
1
04
3.
1
4
09
4
1
4
16
5.
1
4
25
Every cell number value under this PD # is equal to: the
PD value @ the Row end -4

0	1.	2.	3.	4	5.
1.	0 1	1	1	1	1
2.	1	0 4	4	4	4
3.	1	4	0 9		
4	1	4		1 6	
5.	1	4			2 5


0
1.
2.
3.
4
5.
1.
2.
3.
4
5.
01
1
04
4
1
4
09
1
4
9
16
1
4
9
25
Every cell number value under this PD # is equal to: the
PD value @ the Row end -9


0
1
2
3
4
5
1
2
3
4
5
01
1
1
1
1
1
04
4
4
4
1
4
09
9
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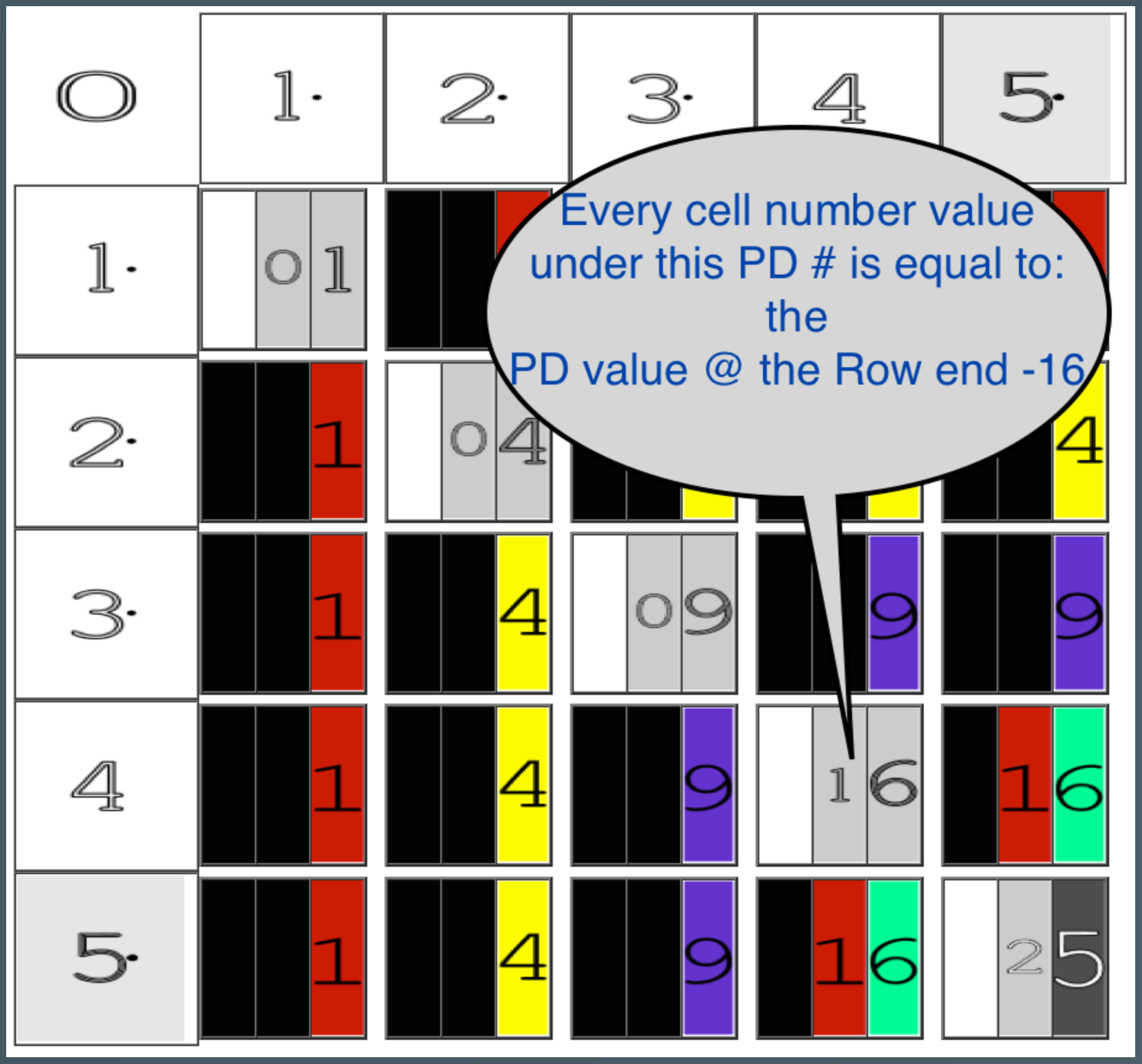
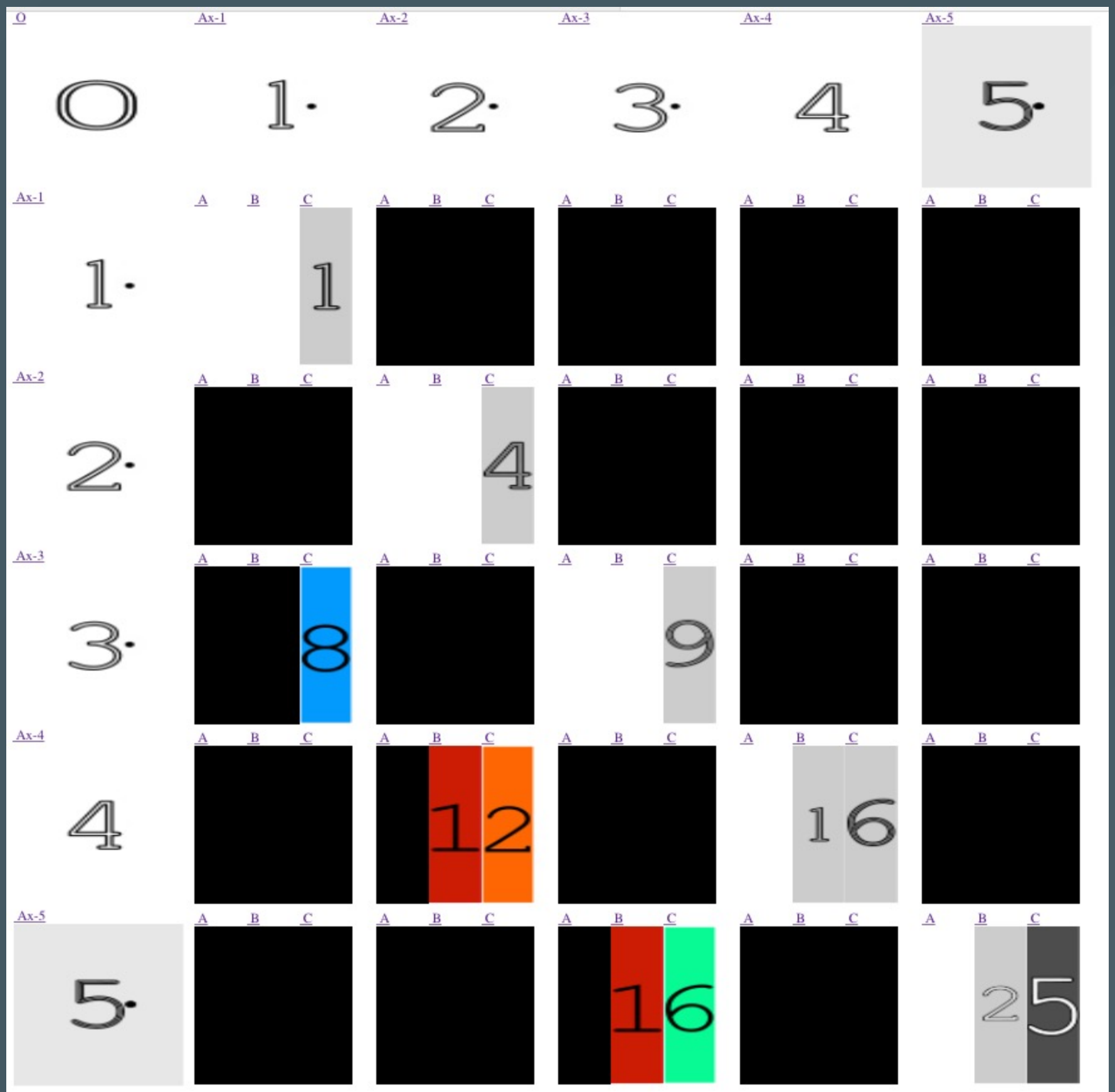
1
4
9
16
1
4
9
25


0
1.
2.
3.
4
5.
1.
2.
3.
4
5.
01
1
04
4
1
4
09
9
9
1
4
9
16
16
1
4
9
16
25
Every cell number value under this PD # is equal to: the PD value @ the Row end -16



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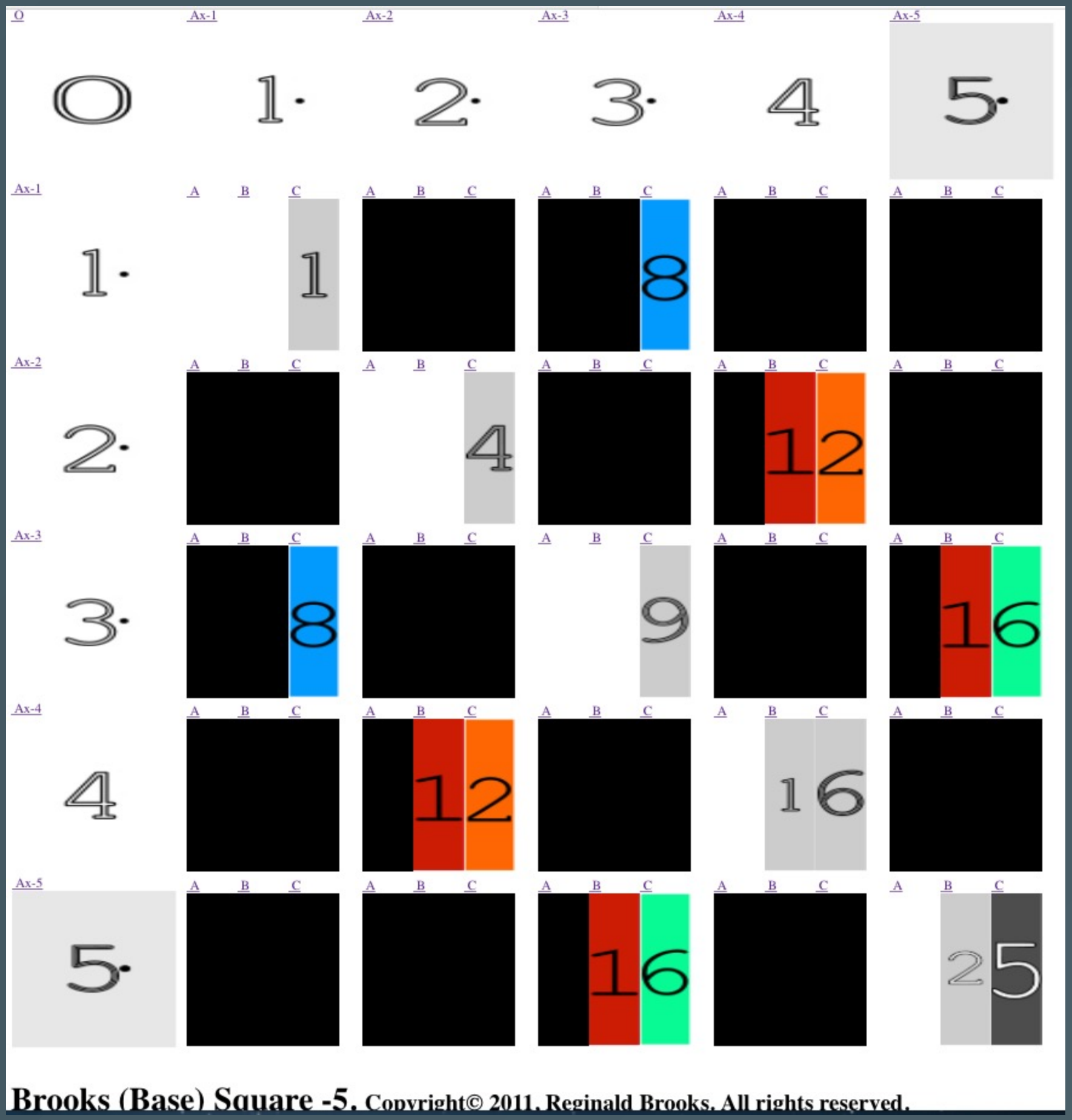
O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
0
1·
2·
3·
4
5·
A B C
1
8
4
12
8
9
16
12
16
16
25
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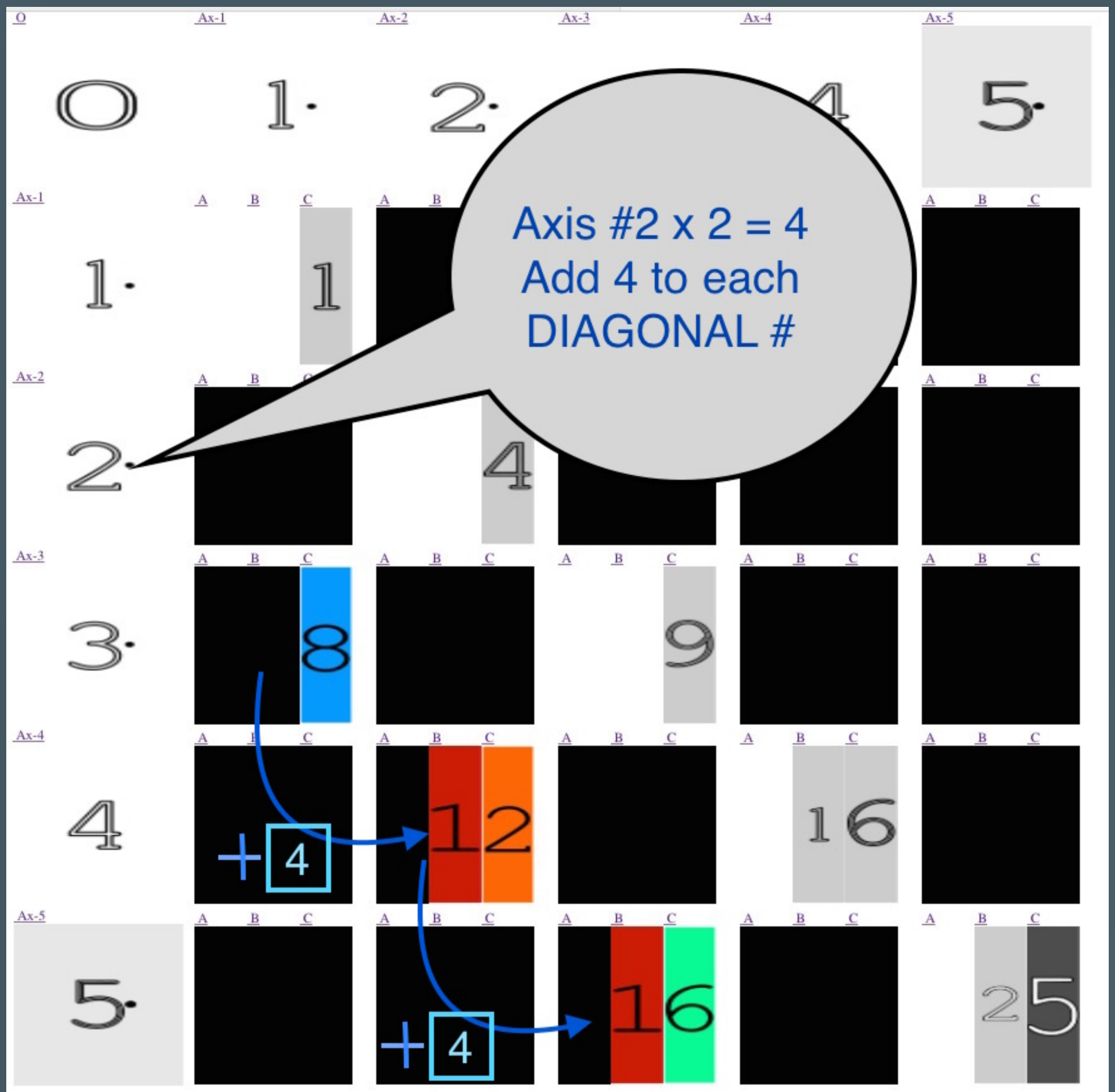

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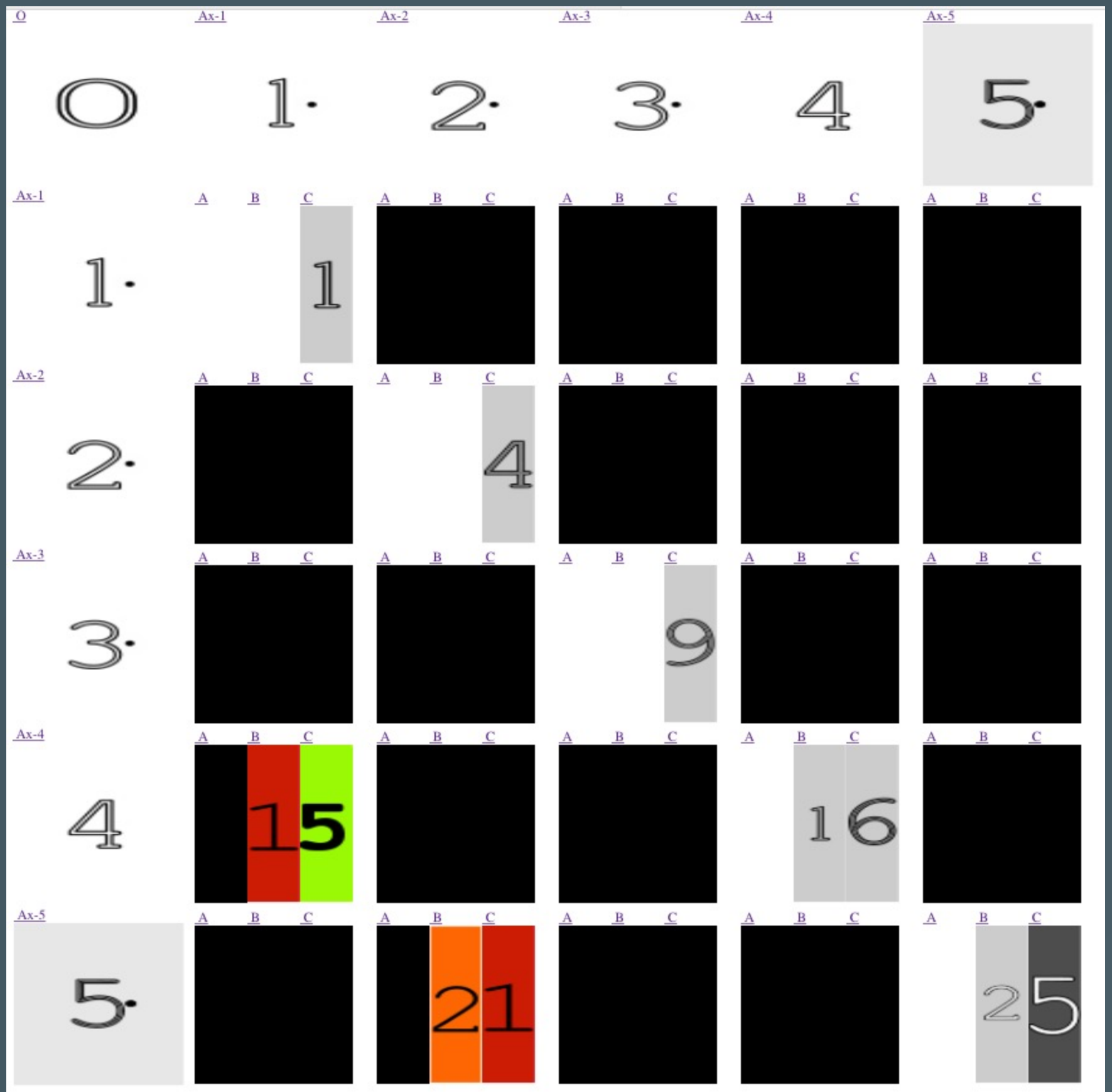

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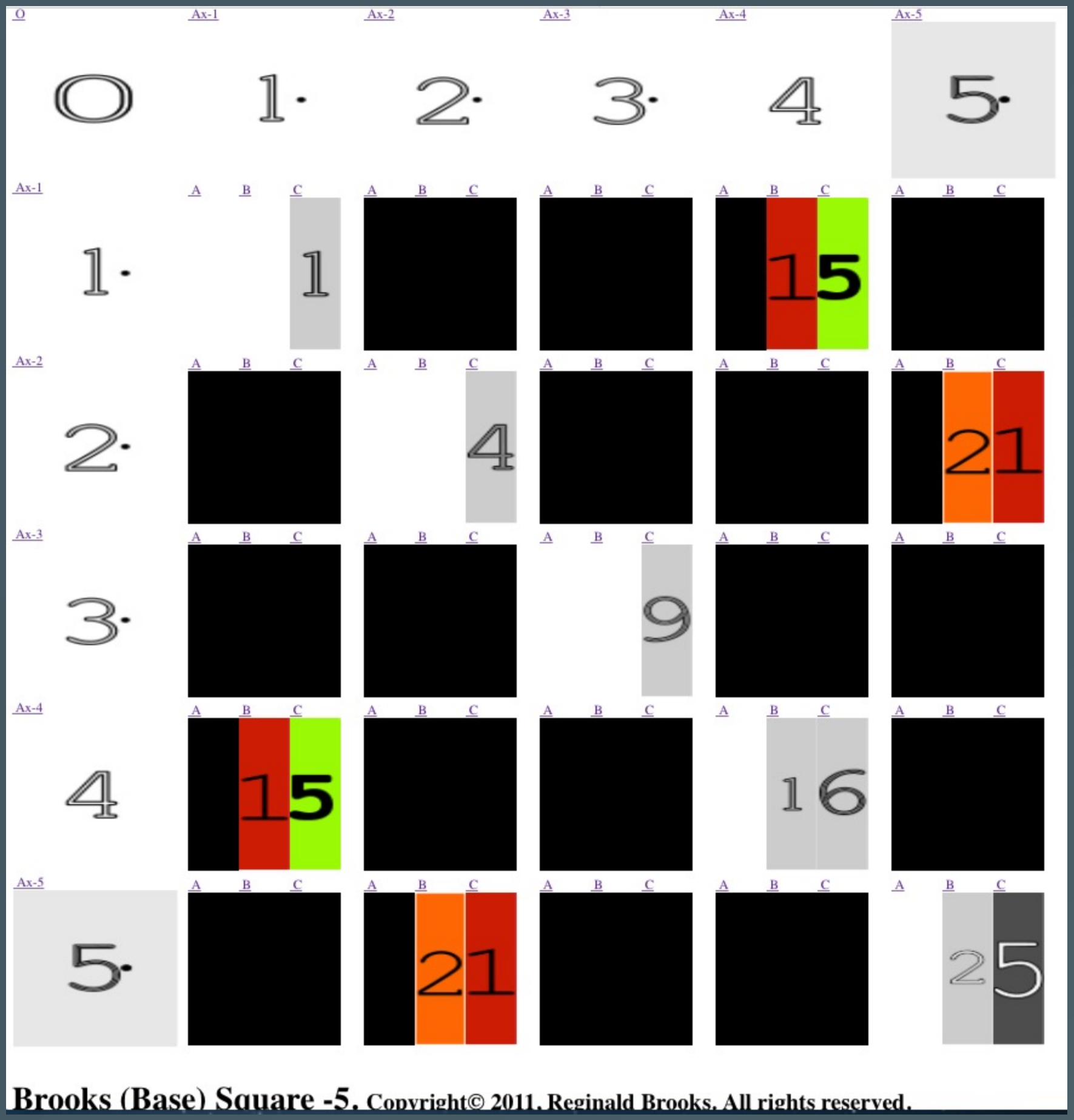

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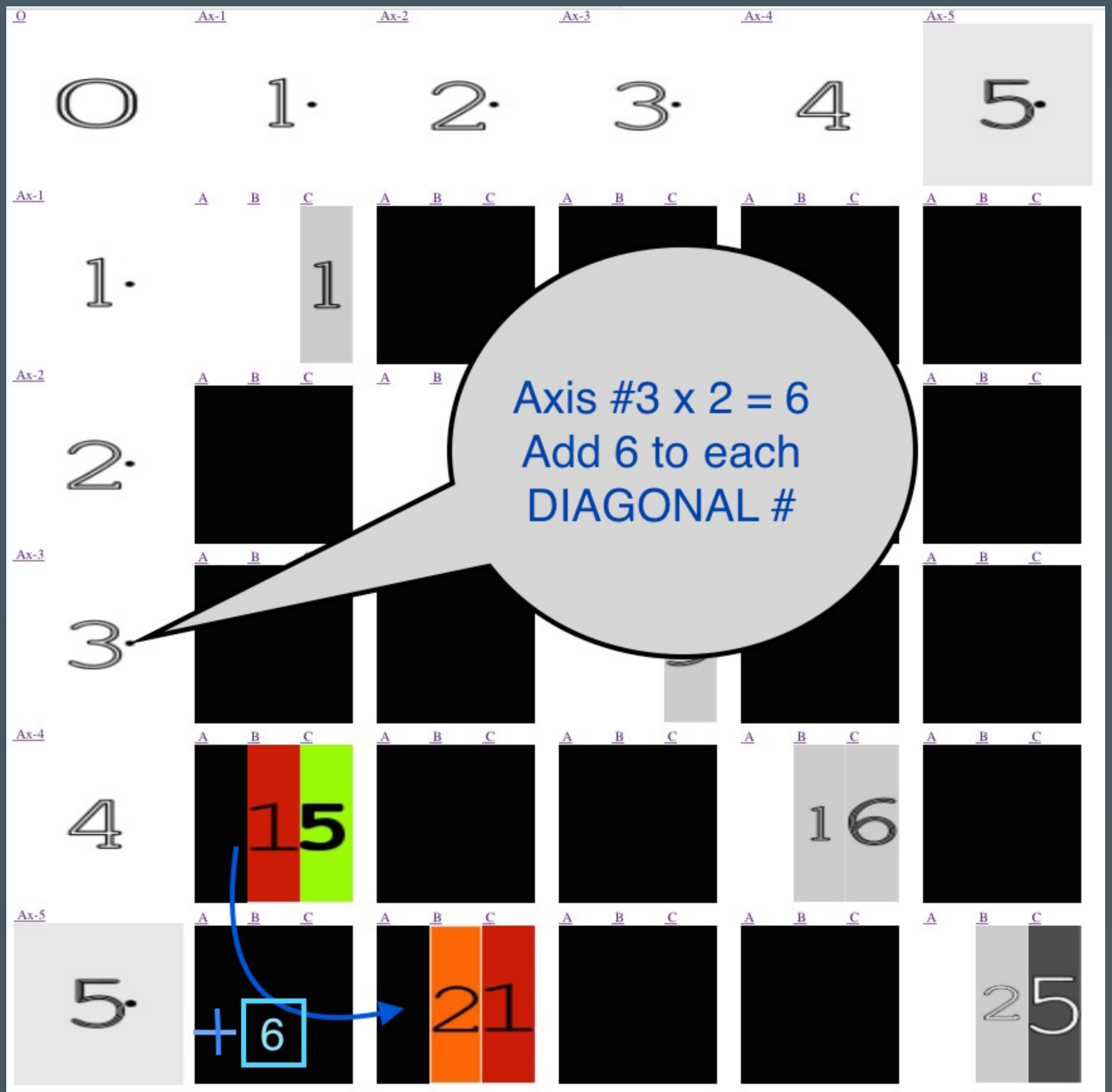

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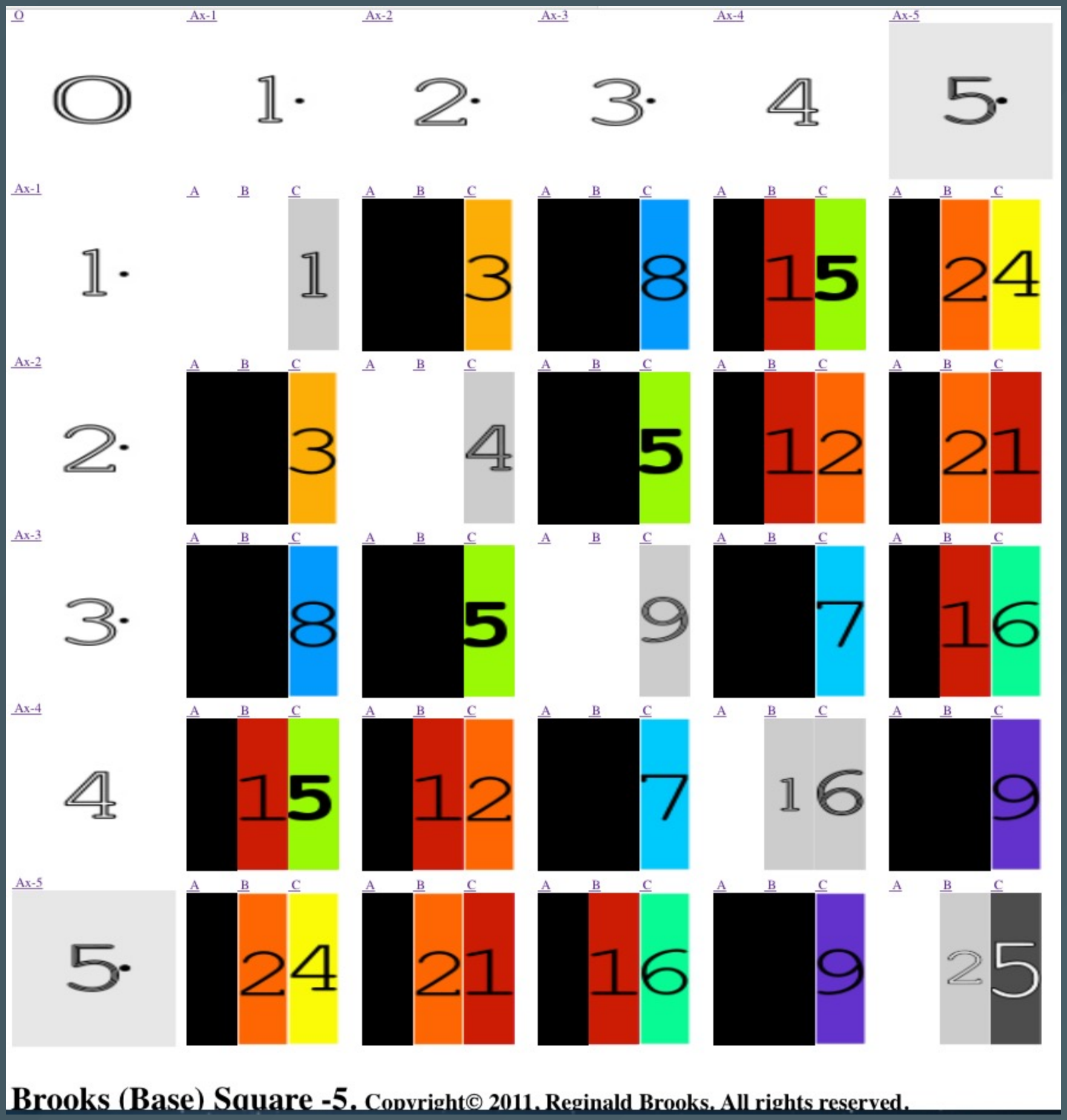
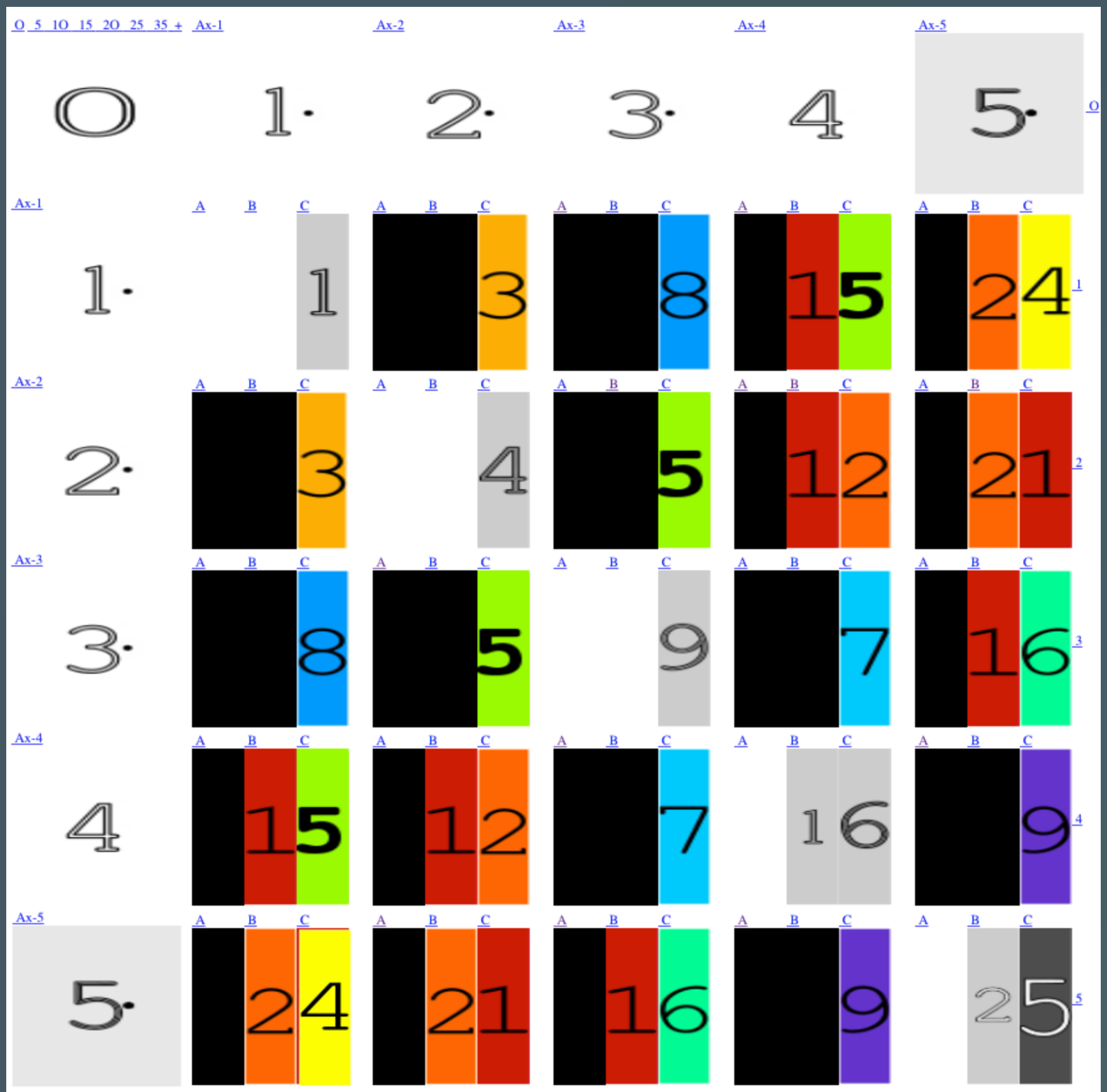

O
Ax-1
Ax-2
Ax-3
Ax-4
Ax-5
Brooks (Base) Square -5. Copyright© 2011, Reginald Brooks, All rights reserved.



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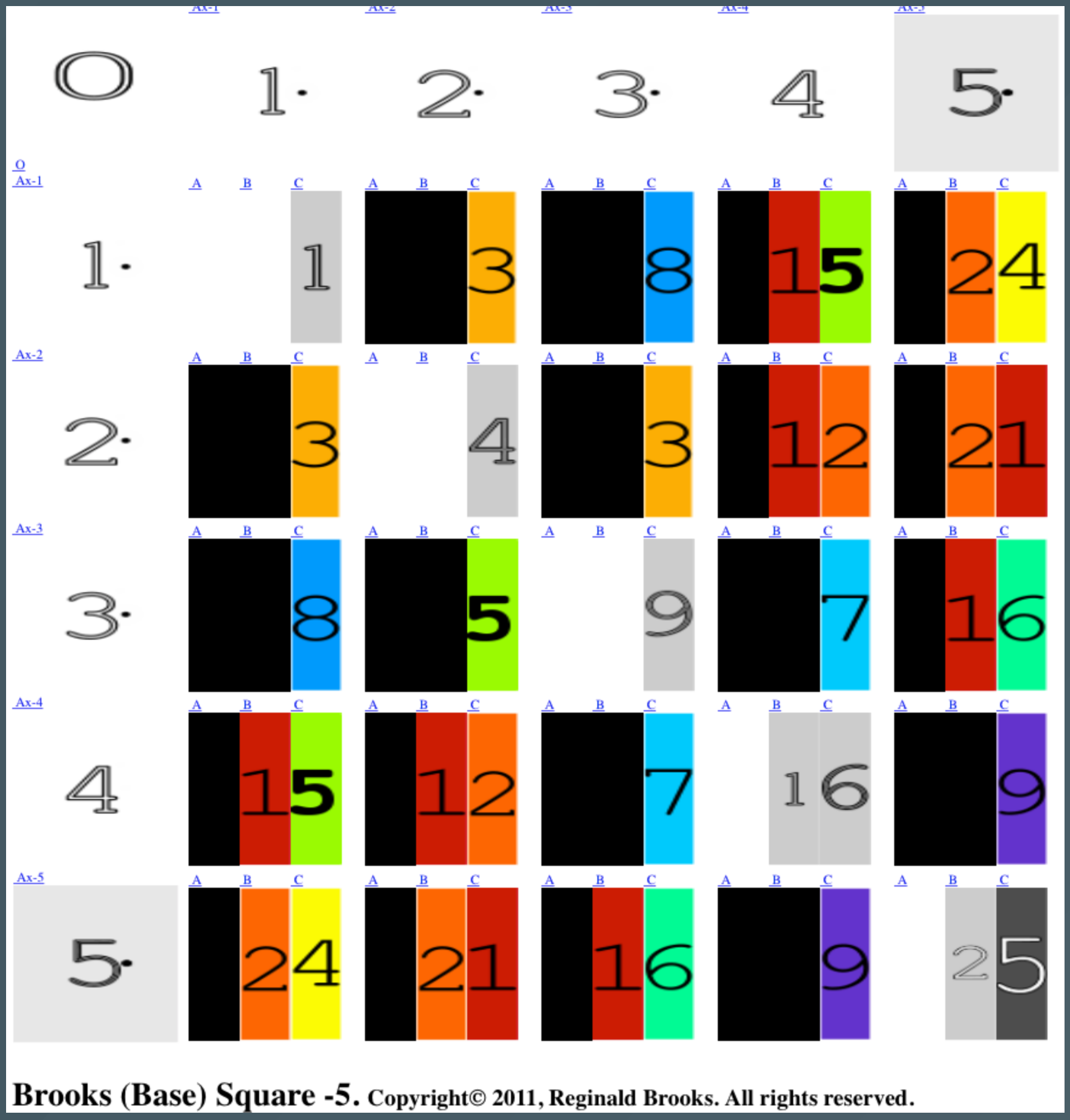
0	1.	2.	3.	4	5.
1.	01	3	8	15	24
2.	3	04	5	12	21
3.	8	5	09	7	16
4	15	12	7	16	9
5.	24	21	16	9	25



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0	1.	2.	3.	4	5.
1.	01	3	8	15	24
2.	3	04	5	12	21
3.	8	5	09	7	16
4	15	12	7	16	9
5.	24	21	16	9	25

BBS-ISL Matrix

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