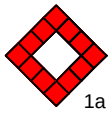
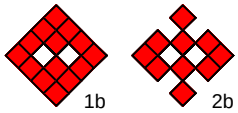
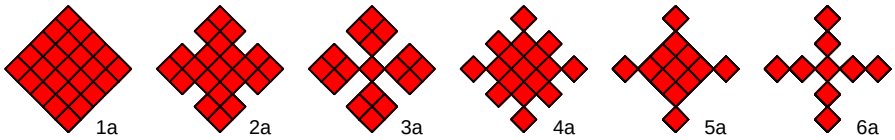
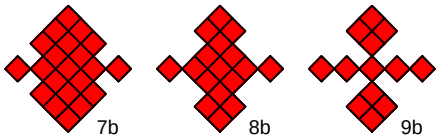
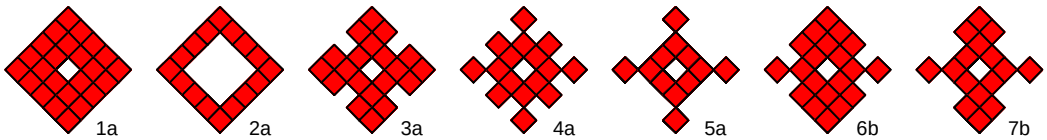
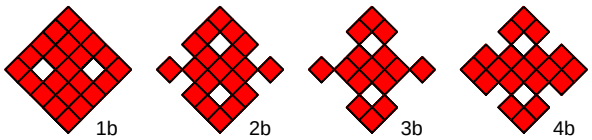
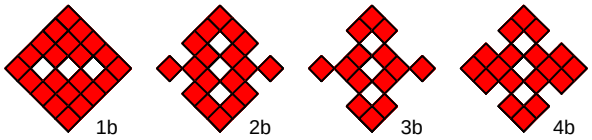
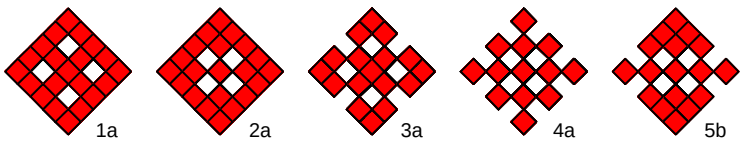
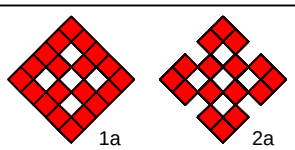
A258643 for n = 1..5

T(n,k)	Patterns: a = Mirror symmetric, b = Mirror asymmetric; not included mirrors & no-square holes
T(1,0) = 1	 1a
T(2,0) = 1	 1a
T(3,0) = 2	 1a  2a
T(3,1) = 1	 1a
T(4,0) = 3	 1a 2a 3b
T(4,1) = 1	 1a
T(4,2) = 2	 1b 2b
T(5,0) = 9	 1a 2a 3a 4a 5a 6a  7b 8b 9b
T(5,1) = 7	 1a 2a 3a 4a 5a 6b 7b
T(5,2) = 4	 1b 2b 3b 4b
T(5,3) = 4	 1b 2b 3b 4b
T(5,4) = 5	 1a 2a 3a 4a 5b
T(5,5) = 2	 1a 2a

Row sum	n/k	0	1	2	3	4	5	6	7	8
1	1	1								
1	2	1								
3	3	2	1							
6	4	3	1	2						
31	5	9	7	4	4	5	2			
140	6	25	11	40	8	33	3	**16**	0	**4**