

In a polyomino, adjacency between squares is defined as being “just above”, “just below”, “just to the right”, and “just to the left”.

In pseudo-polyominoes, adjacency also includes “above to the left” and so on.

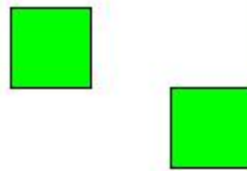
In the case of the polyknight, adjacency is defined as being “one knight’s move away”, referring of course to the chess piece.

In the illustrations that follow, I have used different colours for adjacent polyknights so as to remove any ambiguity with respect to where one polyknight starts and the next one begins.

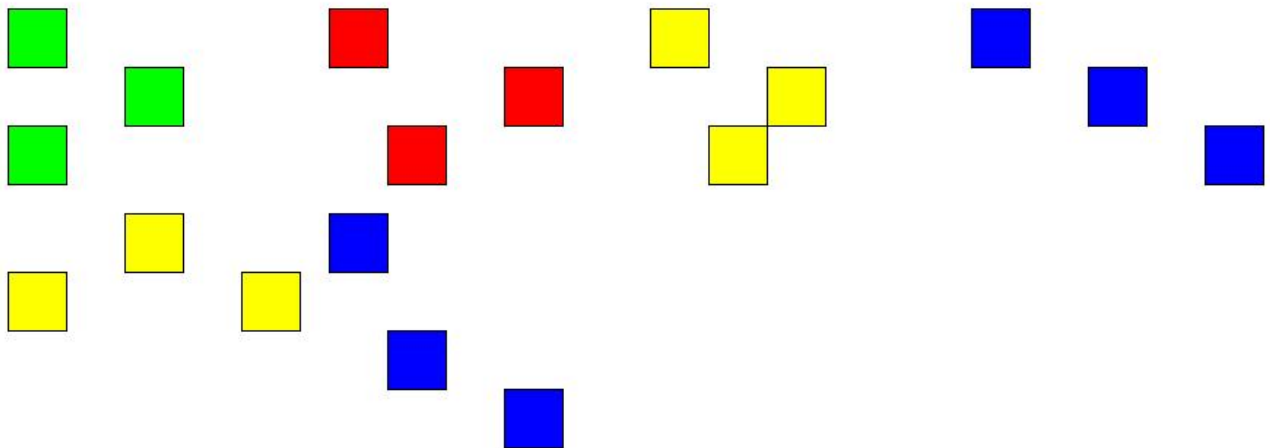
Size 1 polyknight:



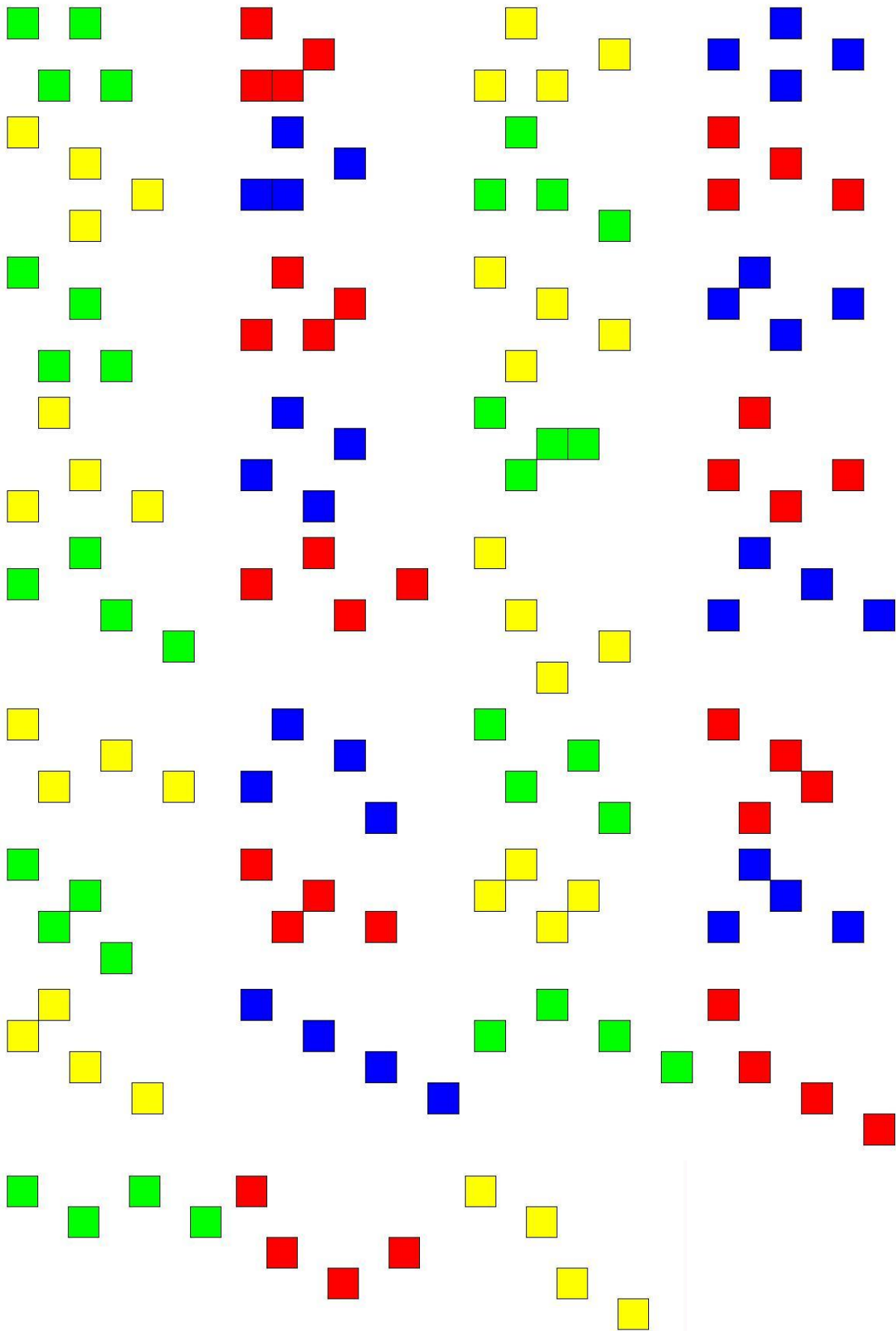
Size 2 polyknight:



Size 3 polyknights:



Size 4 polyknights:



	free	asym	m90	m45	r180	m90r180	m45r180	r90	all	fixed	chiral	achiral	one-sided
1	1	0	0	0	0	0	0	0	1	1	0	1	1
2	1	0	0	0	1	0	0	0	0	4	1	0	2
3	6	1	2	2	1	0	0	0	0	28	2	4	8
4	35	25	0	0	7	1	1	1	0	234	33	2	68
5	290	252	14	14	7	1	1	1	0	2162	260	30	550
6	2680	2564	18	12	84	2	0	0	0	20972	2648	32	5328
7	26379	26025	132	138	80	2	2	0	0	209608	26105	274	52484
8	267598	266311	232	148	877	10	9	7	4	2135572	267195	403	534793
9	2758016	2754484	1318	1362	832	7	6	6	1	22049959	2755322	2694	5513338
10	28749456	28735422	2709	1846	9430	35	14	0	0	229939414	28744852	4604	57494308
11	302120154	302083973	13579	13740	8816	28	18	0	0	2416816416	302092789	27365	604212943
12	3196299285	3196147493	29980	20542	100938	134	113	77	8	25569786440	3196248508	50777	6392547793
13	34007337629	34006961442	141660	140526	93793	88	65	51	4	272057195864	34007055286	282343	68014392915