

LA	circle	square	triangle
red	(a, a)	(a, b)	(a, c)
blue	(b, a)	(b, b)	(b, c)
green	(c, a)	(c, b)	(c, c)

LB	circle	square	triangle
red	(a, a)	(a, b)	(a, c)
blue	(a, d)	(a, e)	(a, f)
green	(b, a)	(b, b)	(b, c)

LC	circle	square	triangle
red	(a, a)	(b, a)	(c, a)
blue	(d, a)	(e, a)	(f, a)
green	(g, a)	(h, a)	(i, a)