k	r	bin size	piece census
8	3	8	10*5, 1*6, 1*8
9	3	8	4*4, 8*5, 1*8
16	2	4	20*3, 1*4
17	2	4	3*2, 18*3, 1*4
18	2	4	6*2, 16*3, 1*4
19	2	4	9*2, 14*3, 1*4
20	2	4	12*2, 12*3, 1*4
21	2	4	15*2, 10*3, 1*4