K=0	K=1	K=2	K=3
123	123, 123, 123	123, 123, 123, 132, 213, 321	123, 132, 213, 231, 312, 321
132	132, 132, 132	132, 132, 132, 123, 312, 231	132, 123, 312, 321, 213, 231,
213	213, 213, 213	213, 213, 213, 231, 123, 312	213, 231, 123, 132, 312, 321
231	231, 231, 231	231, 231, 231, 213, 321, 132	231, 213, 321, 312, 123, 132
312	312, 312, 312	312, 312, 312, 321, 132, 213	312, 321, 132, 123, 213, 231
321	321, 321, 321	321, 321, 321, 312, 231, 123	321, 312, 231, 213, 123, 132