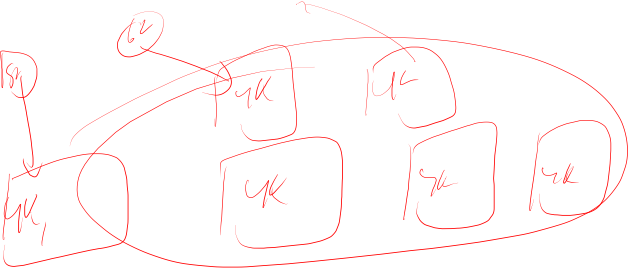
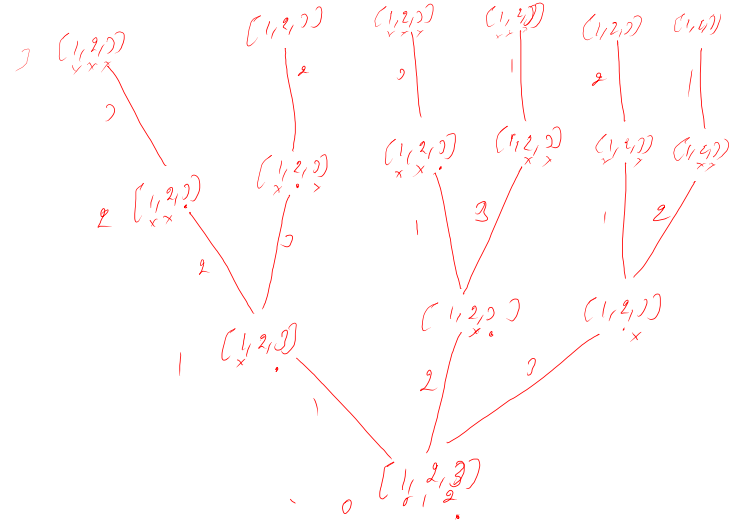
4K



1K

smallest = [ ]

4K : [1, 2, 3]
5K : [1, 3, 2]
6K : [2, 1, 3]
7K : [2, 3, 1]
8K : [3, 1, 2]
9K : [3, 2, 1]

sol [4K, 5K, 6K, 7K, 8K, 9K]