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Question 2

1.

There are m*n-k tiles

2.

We need to place m*n-k tiles in m*n squares so there are (m*n)!/((m*n)-(m*n-k))! possible states 3.

A, B, C represents the names of the nodes, and according to 2., we should have 24 possible states.

- 1) for each row, fix one node on the up left place.
- 2) then, fix another node
- 3) change the last node in 2 possible avaliable places.
- 3) After that, change the location of the fixed node in 2), then do 3) again untile all possible states are done.

