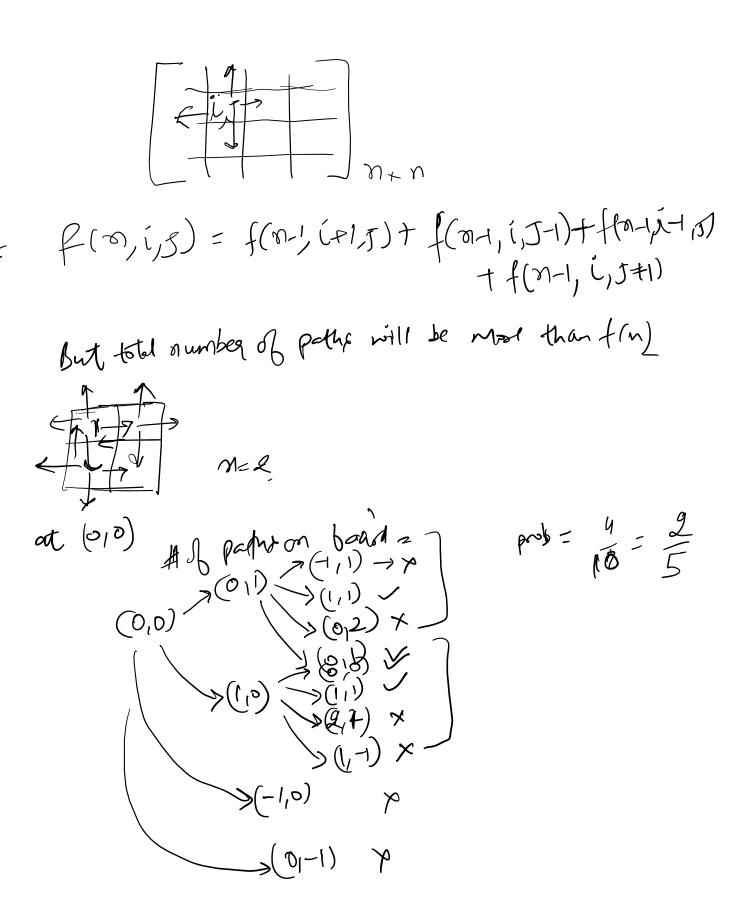
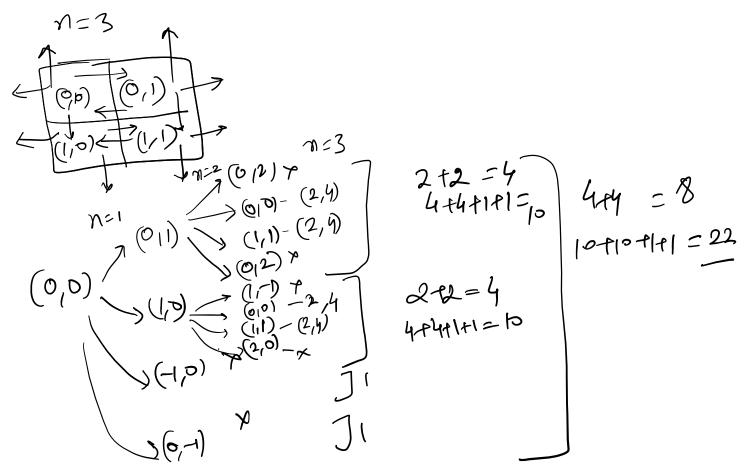
Problem1: a square matrix nxn. A person is at position (i, j) and can move along axis in any direction in one step. Calculate the number of paths he can take from (i, j) in n steps.





The constitution is

$$f(k-1,i-1)+f(k-1,i-1)$$