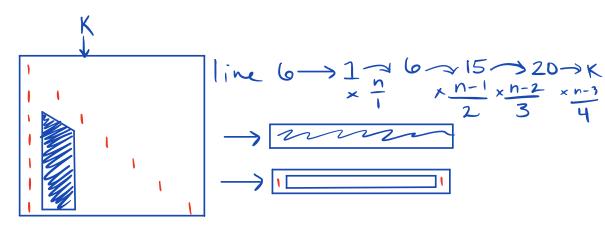
Allocate mem For [large] array > java Driver... large number Binomial Coefficient Coef in the binomial expansion (2) = # in pascal's triangle

· ( (n,K) = { c(n-1, K-1) + c(n-1, K)

C(n-1,K-1) C(n-1,K) (n-1,K)  $n \rightarrow 6 | 1 6 15 20 156 |$ 

- B) Draw recursion tree for C(6,3) \* Don't use recursion for repetitive computation
- O Generate Coef in P.T. For n+1 rows use 2D Array OF size (n+1) × (n+1)
- BCII use frame from C [n,K]



$$E C(n,K) = \frac{n!}{K!(n-K)!}$$

$$C(100,98) = 100! = 99.100 = 4950$$
 $98! 2!$ 

Find largest of K, n-K -> largest, n-largest C(n,K) = 1.2:.. largest, (largestn)....n largest! (n-largest)!