

Memoization

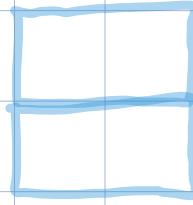
fully covered:  $f$   
partially covered:  $p$

$\rightarrow K$



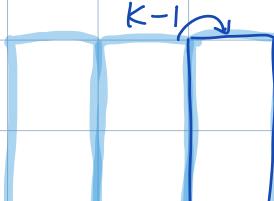
$\leftrightarrow K=1$

< base >

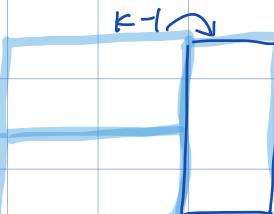


$\leftrightarrow K=2$

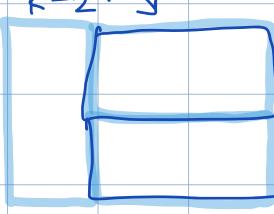
< base >



$K-1$



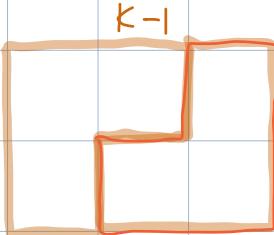
$K-2$



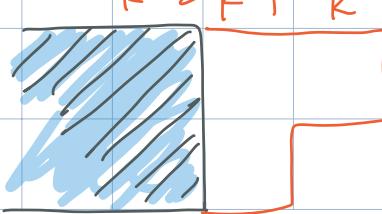
$K-3$

$$f(K) = f(K-1) + f(K-2) + 2p(K-1)$$

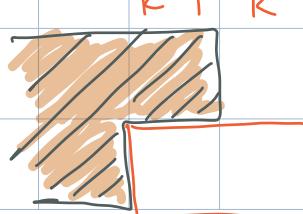
$$p(K) = f(K-2) + p(K-1)$$



$K-1$



$K-2$   $K-1$   $K$



$K-1$   $K$

base  
 $K=2$