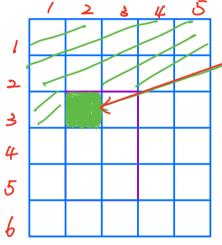


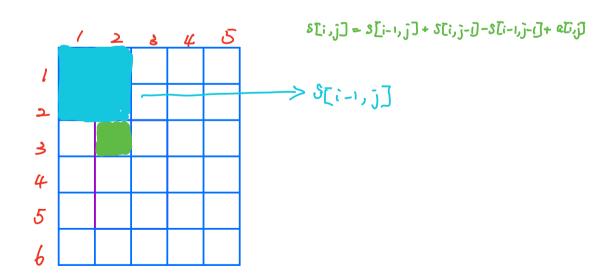
S[i.j] how to calculate

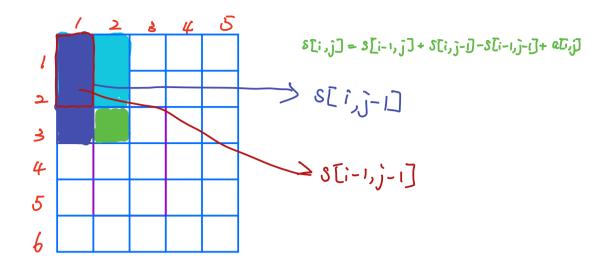
 $S[i,j] = S[i-1,j] + S[i,j-j] - S[i-1,j-j] + \alpha [i,j]$

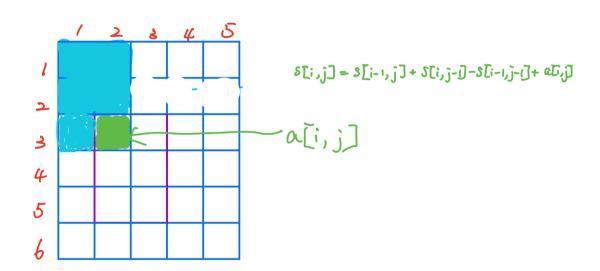
S order

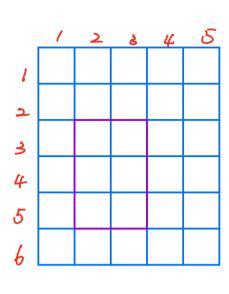


-S[i,j] is already the sum of all the highlights cell







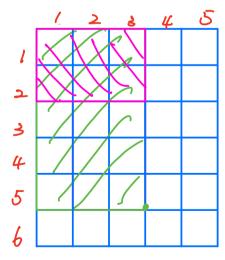


How to relarlate (x, y,), (x, y) sun

S[x2,y1]-S[x1-1,y2]-S[x2,y1-[]+S[x1-1,y1-[]

In the example
$$X_1=3$$
, $Y_1=2$
 $X_2=5$, $Y_2=3$

S[X,y]=S[5,3]

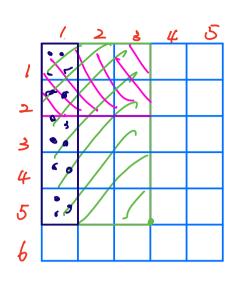


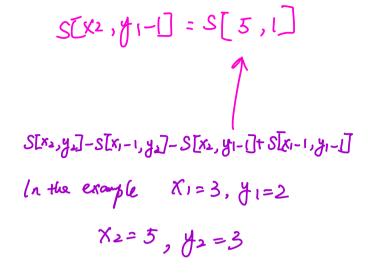
 $S[X_1-1,Y_2]=S[2,3]$

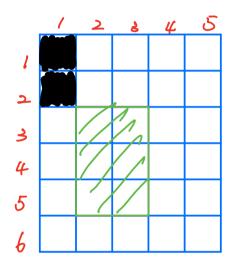
S[x2,41-1x]-5[x1-1,42]-S[x2,41-1]+S[x1-1,41-1]

In the example $X_1=3$, $Y_1=2$

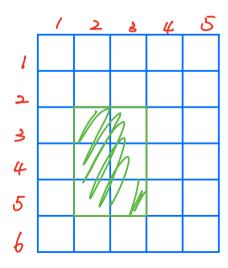
 $\chi_{2}=5$, $\chi_{2}=3$







need to add S[x1-1, y1-1] back



Got it