

OII Knopsock
$$N \rightarrow p \in J = \{ P_0, P_1, \dots P_{N-1} \}$$

$$W \in J = \{ w_0, w_1, \dots P_{N-1} \}$$

$$f(i,c) = \frac{\text{denotes the max projet}}{\text{you can more by choosing}}$$

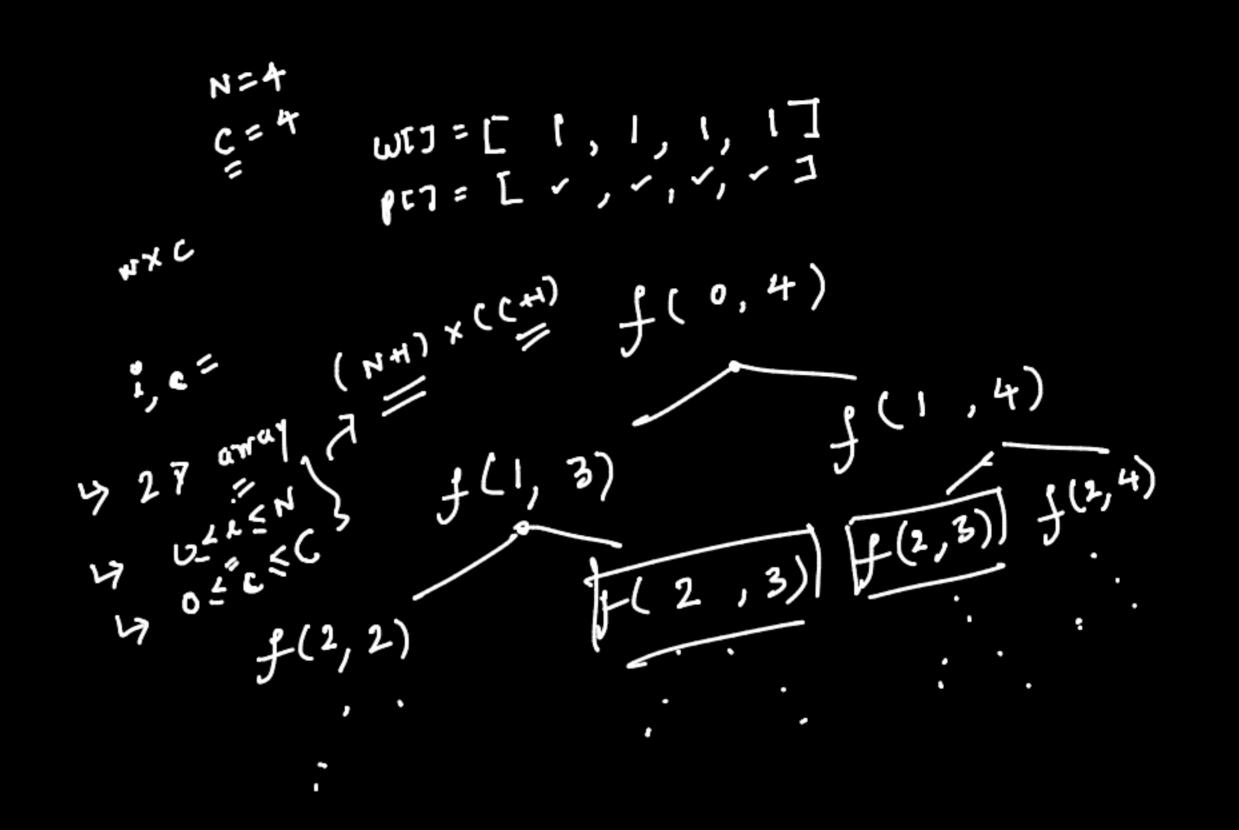
$$\text{items } [a...n-1] \text{ st.}$$

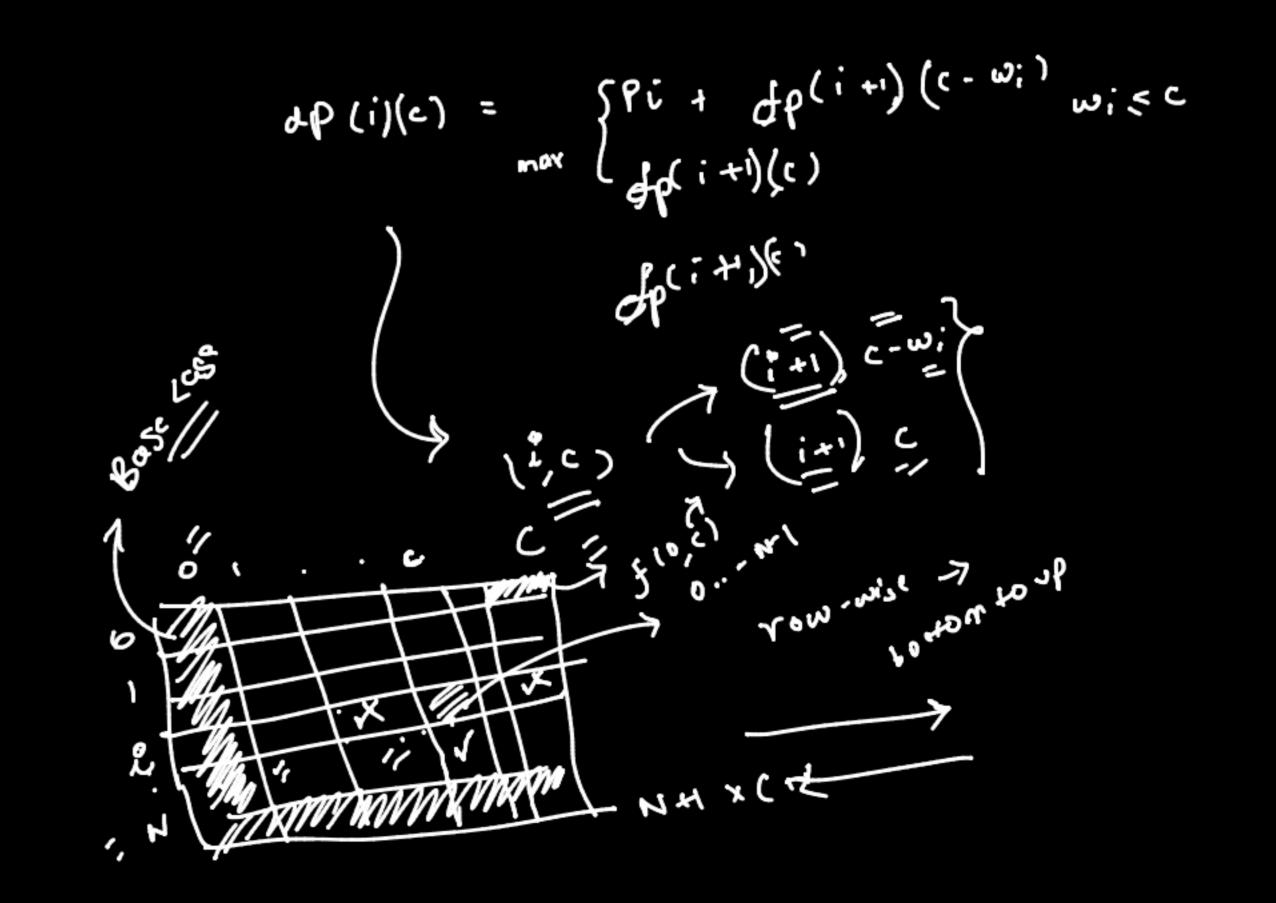
$$\text{when the ks capacity is } C$$

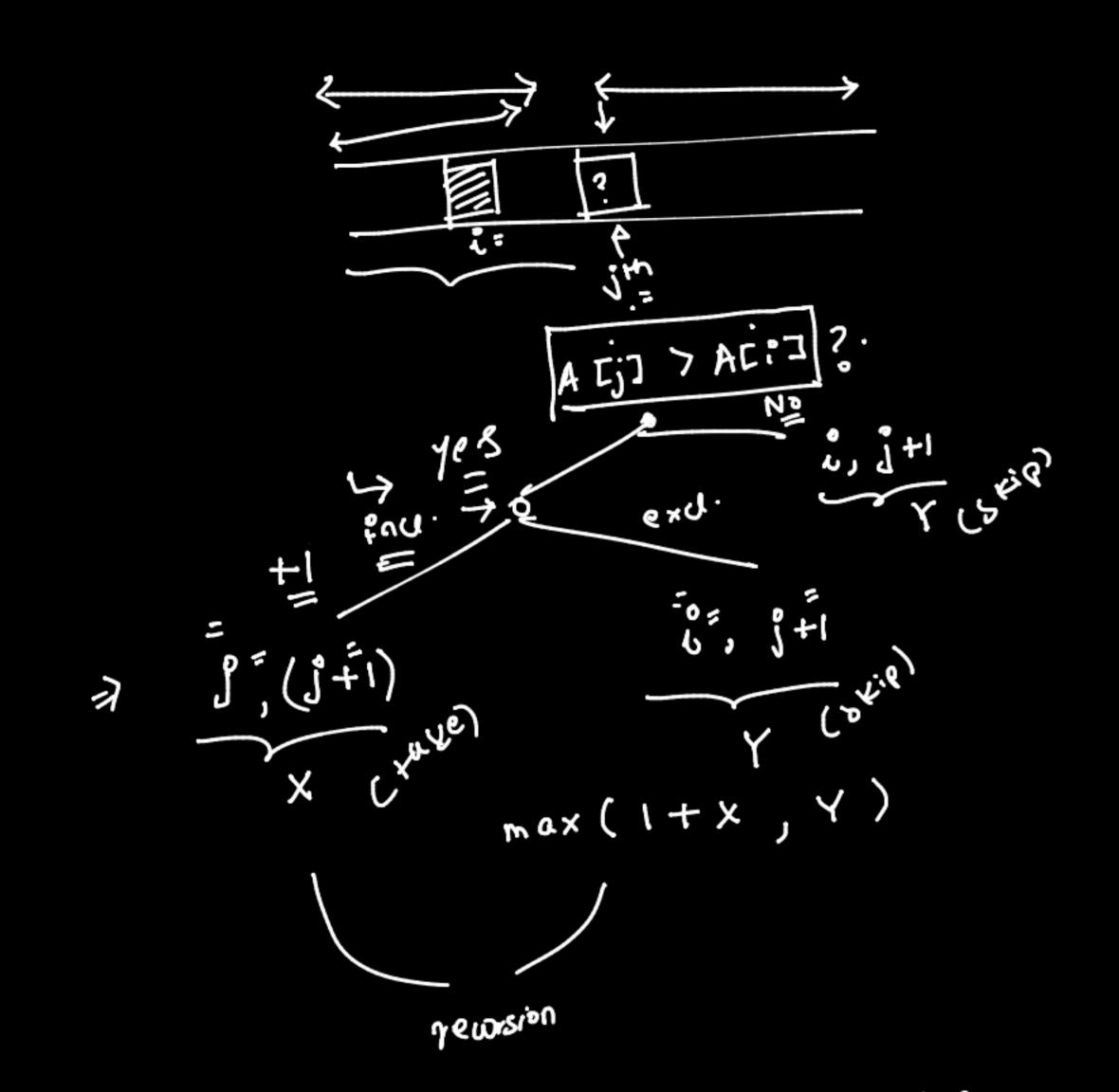
$$f(i+1,c) = \frac{f(i+1,c)}{f(i+1,c)}; \quad \omega; \in C$$

$$f(i+1,c) = \frac{f(i+1,c)}{g(i+1,c)}$$

$$\text{if we can a constant } c$$







f (i,i) > denote the length of LIS

in A [j.... N] st. every element

in KIS of A [j.... N] 7 A [i]

