Sum2

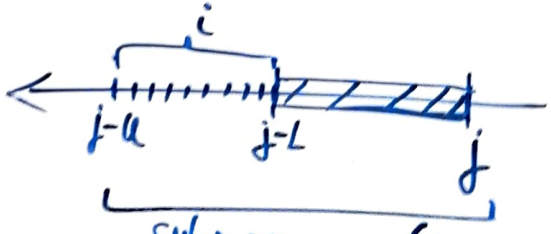
T Partial sums

$S_n = S_{n-1} + A_n$, $S_0 = 0$, where A is an array

$\Rightarrow Sum(A[i,j]) = S_j - S_{i-1}$

Length $\in [L, U]$

1) Find max sum subseq from subsequences (i,j), where $i \in [j-L, j-U]$ and j fixed



Max sum = sum from which we substract less

$\Rightarrow$ Max subseq. from (i,j) : $S_j - \min(S_{j-L}, S_{j-L-1} \dots S_{j-U})$

len $= U - L = K$

$\Rightarrow$ Find min on each K len seq. in vector S, compute each min at the time of traversing S