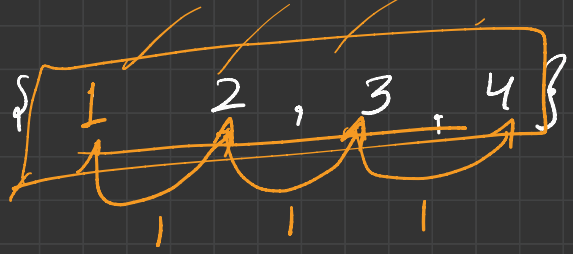
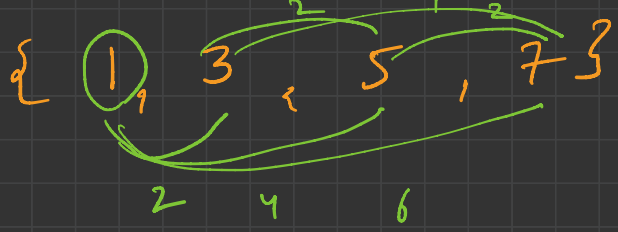
Dynamic Programming

i/p → {1, 2, 3, 4}



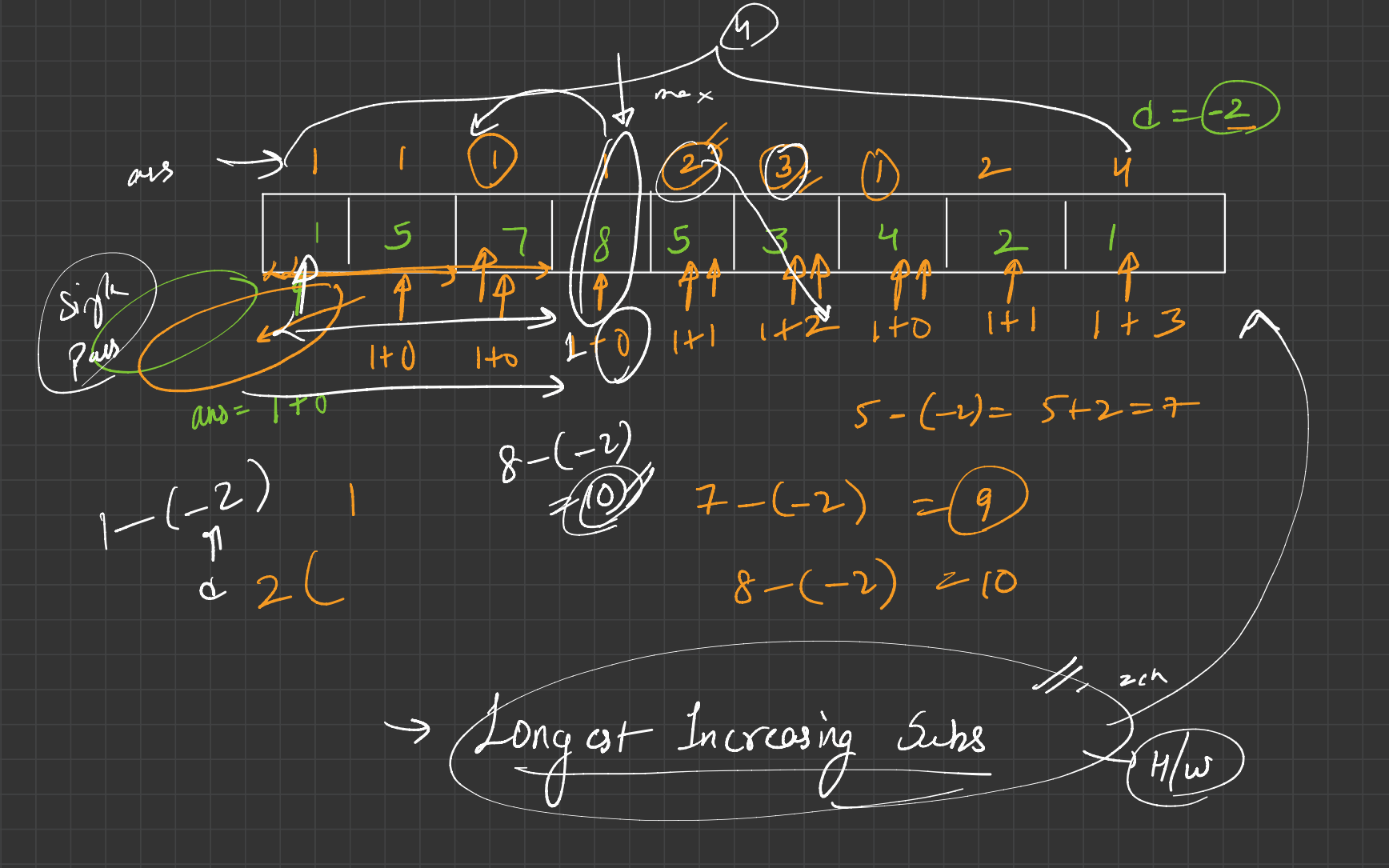
d = 1

→ 4



{1} → 1
{3} → 1
{5} → 1
{7} → 1

→ (1)


4
max
d = -2
ans
1 1 1 2 3 1 2 4
1 5 7 8 5 3 4 2 1
Sigle Pass
1+0 1+0 1+0 1+1 1+2 1+0 1+1 1+3
ans = 1+0
5-(-2) = 5+2 = 7
8-(-2)
10
1-(-2) 1
d 2(
7-(-2) = 9
8-(-2) = 10
Longest Increasing Subs
zch
H/W