Arithmetic Slices II - Subsequence

nums = { 2, 4, 6, 8, 10 }

Output : 7

(*) >= 3

1.) Arithmat-ic

2 2

2, 4, 6 >=3

4, 6, 8

6, 8, 10

2, 4, 6, 8

2, 4, 6, 8, 10

4, 6, 8, 10

2, 6, 10

App Brute

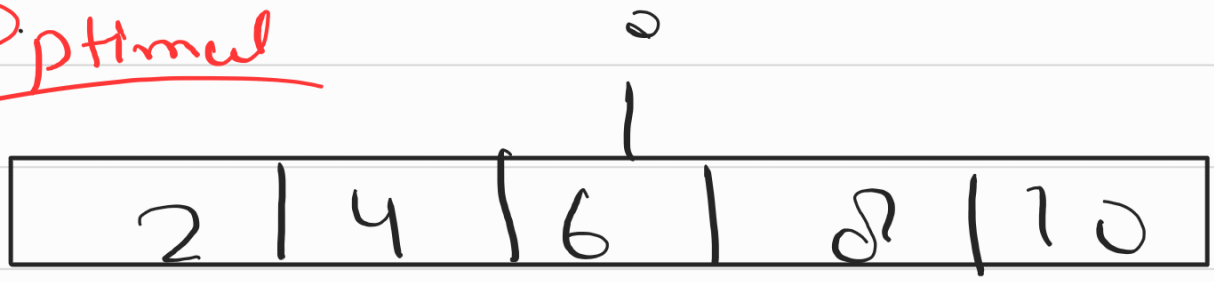
(2^n)

⇒ Find all Subsequence

⇒ >=3 & with O(n)

$O(2^n * n)$

Optimal



Hint: Agar mujhe phle ka answer pta hai, toh agar new element aane pr m phle se answer nikal sakta hu.

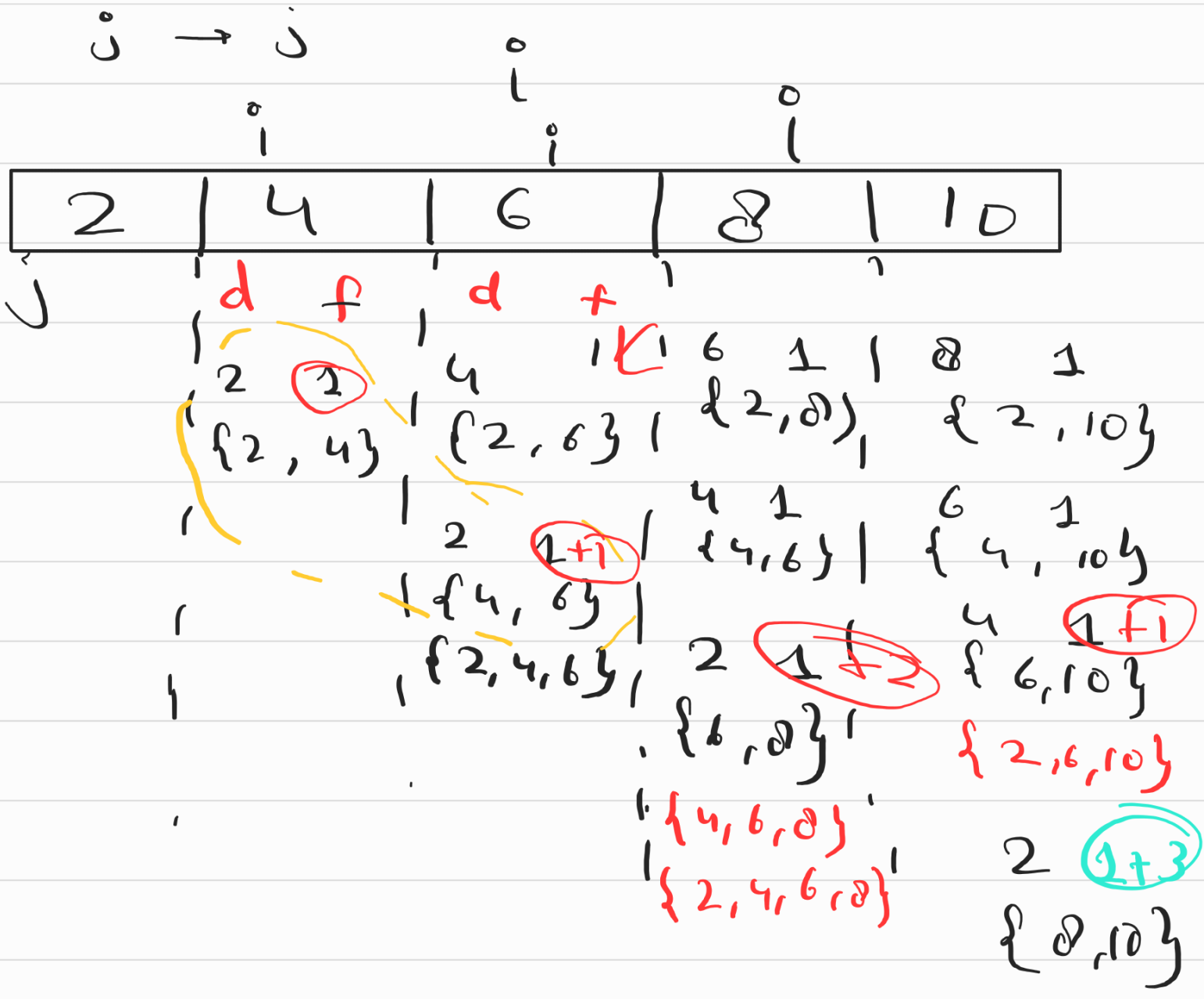
Jaise

mujhe ans pta hai

{2, 4, 6, 8} iska

add 10

(2, 4, 6)
(2, 4, 6, 8) → (2, 4, 6, 8, 10)
(4, 6, 8) → (4, 6, 8, 10)

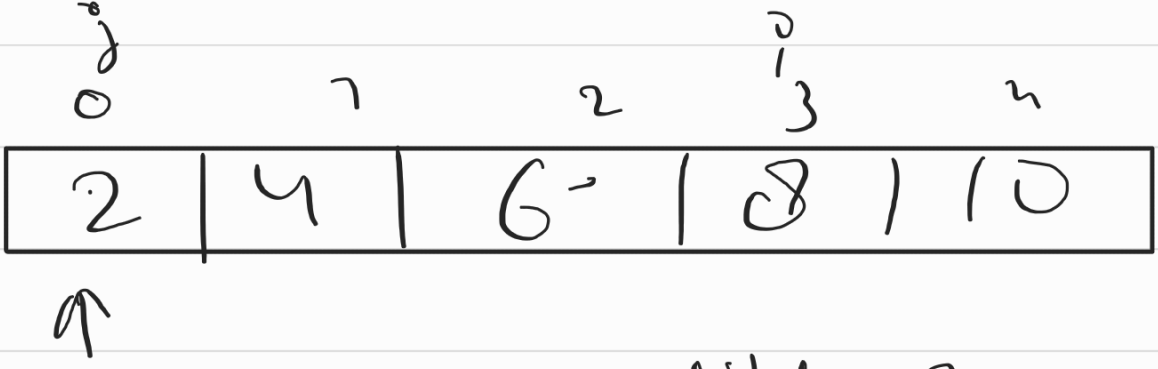


result = 1 + 2 + 1 + 3

= 7

d → count of subsequence

mp	map	map	map



diff = 8 - 2 = 6

mp[j].find(diff)

mp[j][diff]

↳ count mil jayega