

Partition label
 St \rightarrow a b a b c b a c a | d e f e g d e | h i j h k l i j |
 105

Partition = ~~0~~ ~~8~~ ~~14~~ 18 17 ~~20~~ 23

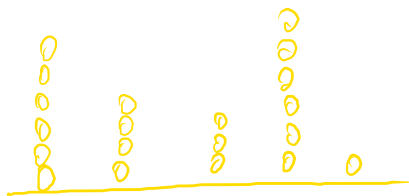
$O(1) \Rightarrow 26$

9 | 7 | 8
 7

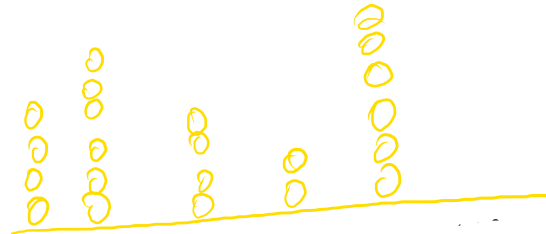
j - 23	h - 19	f - 11
i - 22	e - 15	a - 8
l - 21	d - 14	c - 7
k - 20	g - 13	b - 5

Space
 \downarrow
 better

Buddy nim



charlie
Alice
Bob



Charlie

Alice



→ ① Coins 1 \neq

Bob

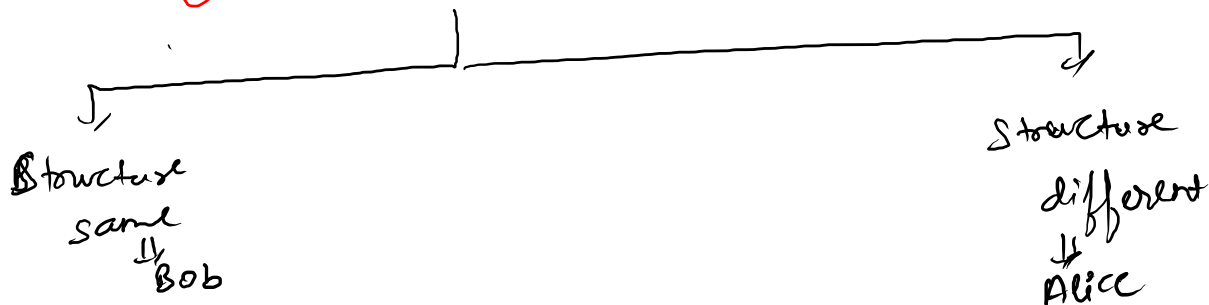


Coins 2 \Rightarrow

Alice



② Coins 1 = Coins 2



A: 0 0 2 3 4 5 6

B: 0 2 3 4 5 6

max Product Subarray

0	1	2	3	4	5	6	7
2	3	1	0	4	-1	3	-4

→ { prefixProd 0 0 suffixProd } }

single iteration

→ 0 → split

Consecutive no. Sum

$K=1$ ✓

$K=2$ ✓

$K=3$ ✓

$K=4$ ✓✓✓

$K=5$ ✓

$$\textcircled{x} + \textcircled{(x+1)} + \textcircled{(x+2)} + \dots + \textcircled{(x+(K-1))} = N$$

$$Kx + (1+2+3+\dots+(K-1)) = N$$

$$Kx + \frac{(K-1)+K}{2} = N$$

$$x = \left(N - \frac{K+(K-1)}{2} \right) / K$$

$$N - K + \frac{K-1}{2} > 0$$

$$N > K + \frac{(K-1)}{2}$$

$$N > \frac{K^2}{2} \Rightarrow$$

$$\sqrt{2N} > K$$

for (int k=1; k < sqrt(2N); k++)

if $\left(\left(N - K + \frac{(K-1)}{2} \right) \% K == 0 \right)$

count++;

return count

