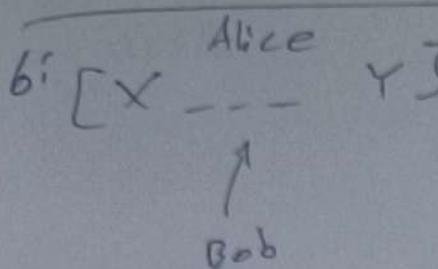


a:

Input
 n

A ve B'nin cozumu
C'de index hatalı



$$\begin{array}{c} n=1 \quad 1 \quad 1 \\ \text{---} \\ n=2 \quad 1 \ 2 \quad \rightarrow 2 \\ 1 \ 0 \ 0 \quad \rightarrow 2 \end{array}$$

$$\begin{array}{c} n=4 \quad 0 \ 0 \ 0 \ 4 \rightarrow 3 \\ 1 \ 0 \ 0 \ 0 \end{array}$$

$$1 \ 2 \ 0 \ 0 \rightarrow 3$$

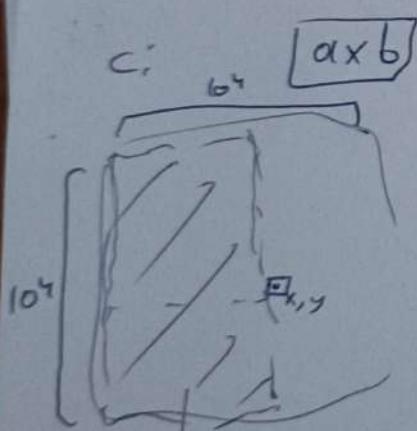
$$1 \ 0 \ 0 \ 3 \ 0 \ 5 \ 6 \rightarrow 3$$

$$\begin{array}{c} n=8 \quad 1 \ 2 \ 3 \ 0 \ 5 \ 0 \ 6 \ 0 \rightarrow 4 \\ 1 \ 2 \ 3 \ 4 \ 0 \ 6 \ 0 \ 0 \end{array}$$

$$1 \ 2 \ 3 \ 4 \ 0 \ 6 \ 7 \ 0 \ 0 \rightarrow 4$$

$$1 \ 2 \ 3 \ 4 \ 0 \ 6 \ 7 \ 0 \ 0 \ 0 \rightarrow 4$$

$n =$



(x, y) 'de döner

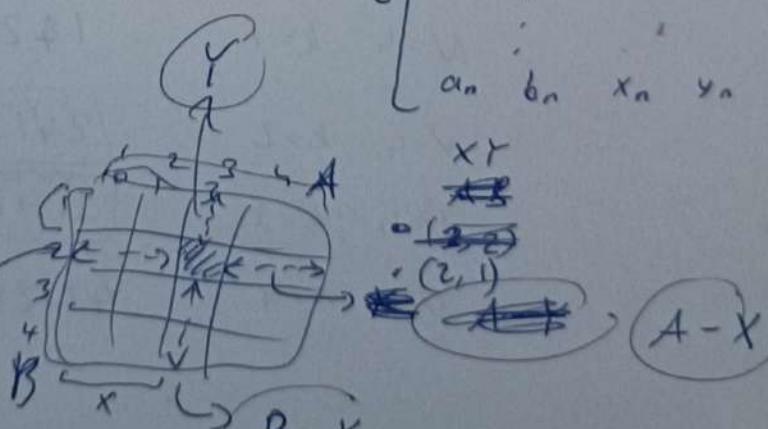
$$1 \leq t \leq 10^4$$

$$1 \leq a, b \leq 10^4$$

Input

t

$$\begin{cases} a_1 & b_1 & x_1 & y_1 \\ a_2 & b_2 & x_2 & y_2 \\ \vdots & & \vdots & \vdots \\ a_n & b_n & x_n & y_n \end{cases}$$



C ⁱ	1	2	3	4	5	A
1 ₀	1	2	2	3	4	X
2 ₁			X			
3 ₂			X			
4 ₃				X		
5 ₄					X	
BY						

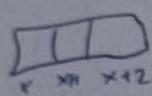
C'nin cozumu
D'de yanlis islem

$$\begin{array}{cccccc} & & & & - & - \\ & & & & 5 & \\ \hline & 0 & 1 & 2 & 3 & 4 & 5 \\ & \checkmark & \checkmark & \checkmark & \checkmark & & \\ \text{len} = 6 & & & & & & \end{array}$$

$i \leftarrow \text{rand}(len(list) - 1)$

spend ~~token~~ coin
 $\text{① } ax + 1$ $SC += 1$

d: $a_1 a_2 \dots a_n$



worst case

TK 20 \rightarrow Başarı! 8/12

↳ organizations don't like us :)

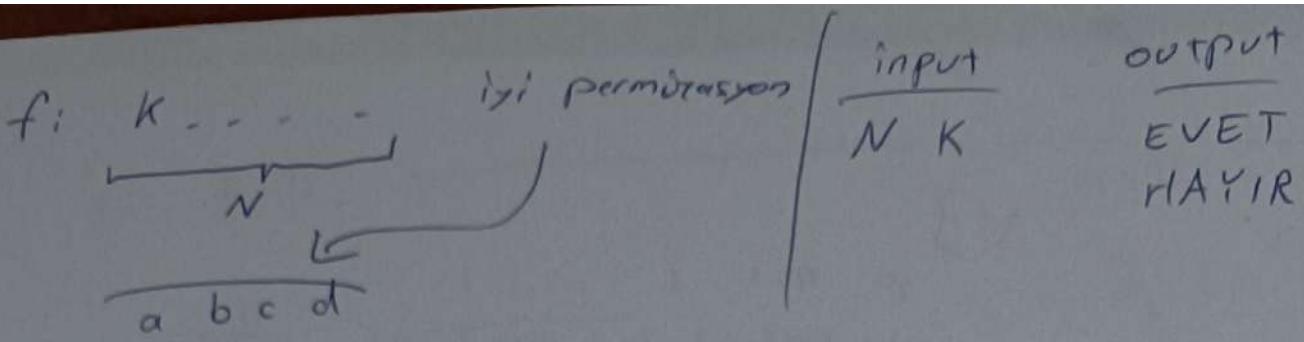
Input
 N

$a_1 a_2 \dots a_n$

Output
 SC

$$\left\{ \begin{array}{l} 3 < N < 2 \cdot 10^5 \\ -10^3 \leq A_i \leq 10^3 \end{array} \right.$$

$10^3 \quad 1000 \ 000 \ 000$



$$a+1 > b \quad b+1 > c \dots$$

F'nin Cozumu
ilk bunu yaptim sonra sirayla gittim

$$1 < N \leq 10^4 \quad 1 \leq k \leq N$$

$N=2$	Hayir	(12) NO	$N=1$ Yes
$N=3$	Hayir	1(32)	
? $\cancel{N=4}$	Hayir	1(324) 123	1(324) 3142 Yes
$N=5$	Evet	1 35 24	2 4 1 3 5
$N=6$	Evet	1 35 246 ✓	3 5 1 4 2
		2 4 6 1 3 5	4 2 5 3 1
		3 5 1 6 4 2	5 3 1 4 2

123X
 132X
 231X
 213X
 312X
 321X

$N=4 \quad k=3$ Yes

234

$N=4 \quad k=1$

1423X

$N=4 \quad k=2$

2 4 1 3
 3 1 4 2

$N=4 \quad k=3$

$N=4 \quad k=4$

4 1 3 2 X

G, H, J'ye hzlca bi baktimCo

Kalan son soru da graphdi zaten

$g: A \rightarrow B, K$

$$\frac{a}{\sum} - \frac{\min}{\sum(C) + kP}$$

b c d e f g
a b c d a e f
a b c d a

n:  N, M
graph V

e f g h

$$j: N \rightarrow \{1, 0, 0, \dots, 0\}$$

aefghae

K hez her $i=1$ 'den $N-1$

$$A[i] = A[i] + A[i-1]$$

$$\frac{Ov + Pv}{A[N-i]} = ?$$

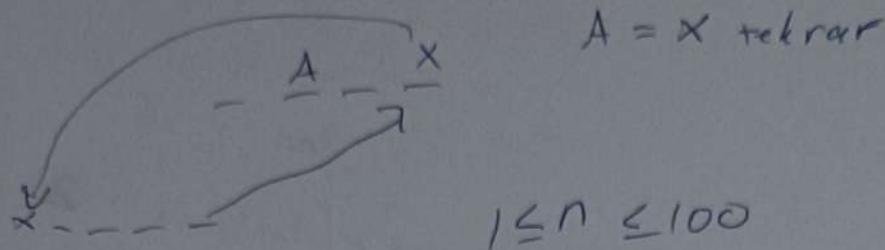
O - - -

$\begin{matrix} 14+5 \\ 17-15 \end{matrix}$
a b c d
e f g h

- ① ~~1 000000000~~ ②
③ 1 1 0 0 0 0 0 0 0 0
④ 1 2 1 0 0 0 0 0 0 0
⑤ 1 3 3 1
⑥ 1 4 6 4 1 ~~0 0 0 0 0~~
⑦ 2 5 10 10 5
⑧ 7715 2015

e; 4 elde 4 yandır CR

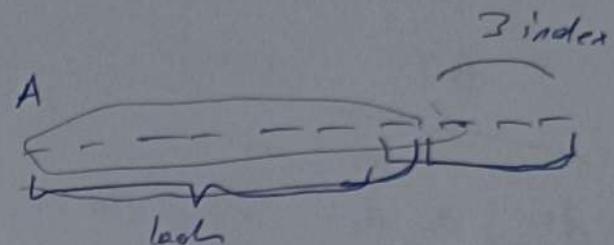
Sonra E ile ugrastım



$$1 \leq n \leq 100$$

$$n = []$$

<u>Input</u>	<u>Output</u>
N	VALID
s_1	INVALID
s_2	
\vdots	
s_n	



~~abac~~
aab cdefg
8 max 2

abfx

defgax

a b c d e f g h

19+5
19.15 son

a a c d e f g h

a a

tmp cards[i:i+5]
0 1 2 3 4

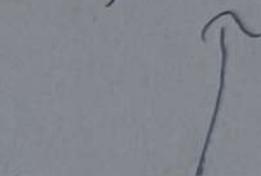
a a b b ✓

a a d b b

a a d c b b

2.4
a a - - -
else

d b d c h
yoh o, l c bi aynq



✓10	18V
✓19	28V
✓65	79V
✓95	88

a b c d e

b @ a c d

a b c d a

aa

a b c d e

Kagit tam yetti

