

a:

Input  
n

A ve B'nin cozumu  
C'de index hatali

6: Alice  
[X --- Y]

Bob

20 n=1 1 1  
21 n=2 1 2 → 2  
100 → 2  
22 n=4 100 → 3  
1200 → 3  
100000 → 3

$\frac{n}{2^x}$

23 n=8 12300000 → 4  
123400000 → 4  
1234000000 → 4

n=

c:  $a \times b$

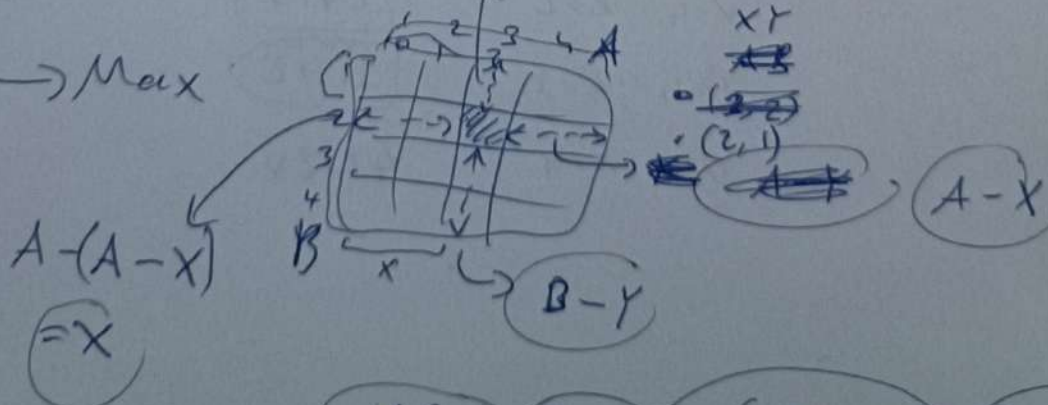
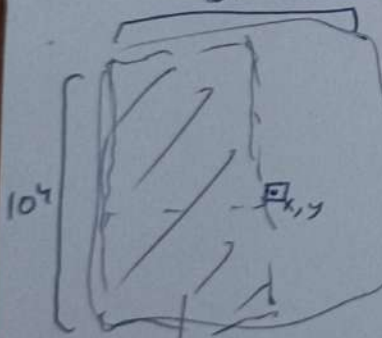
(x, y) 'de duzen

$1 \leq t \leq 10^4$

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

Input

t  
a<sub>1</sub> b<sub>1</sub> x<sub>1</sub> y<sub>1</sub>  
a<sub>2</sub> b<sub>2</sub> x<sub>2</sub> y<sub>2</sub>  
⋮  
a<sub>n</sub> b<sub>n</sub> x<sub>n</sub> y<sub>n</sub>



X.B

Y.A

(A-X).B

(B-Y).A

C'nin cozumu  
D'de yanlis islem

C:

	1	2	3	4	5	A
10						
20						
30			X			
40				X		
50						

BY

0	1	2	3	4	5
✓	✓	✓	✓	✓	✓

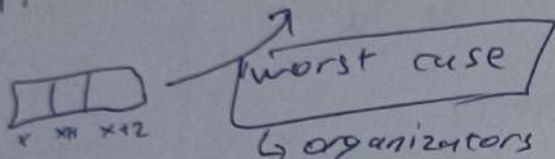
len = 6

$$i < \text{range}(\text{len}(\text{list}) - 2)$$

spend ~~token~~ coin

① →  $a_x + 1$        $sc += 1$

d:  $a_1 a_2 \dots a_n$



TK 20 → Başarılız

↳ organizers don't like us : (

Input

Output

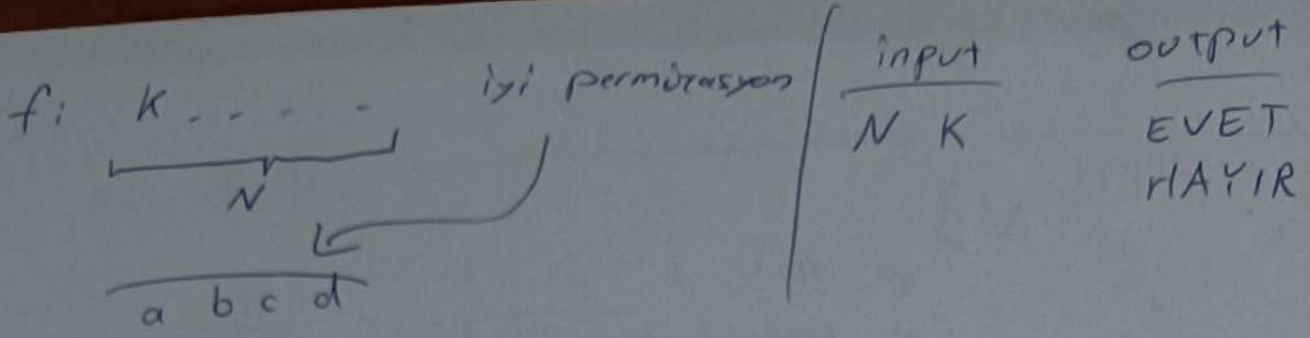
SC

$$\begin{cases} 3 < N < 2 \cdot 10^5 \\ -10^9 \leq A_i \leq 10^9 \end{cases}$$

N

$a_1 a_2 \dots a_n$

$10^3$     1000 000 000



$a \pm 1 > b$  &  $b \pm 1 > c \dots$

F'nin Cozumu  
 ilk bunu yaptim sonra sirayla gittim

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

		$N=1$ Yes	
$N=2$	Hayir	(12) NO	
$N=3$	Hayir	1(32) 123	
? $N=4$	Hayir	1(324) 3142 (Yes)	
$N=5$	Evet	1 3 5 2 4 ✓	2 4 1 3 5
$N=6$	Evet	1 3 5 2 4 6 ✓	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

$N=4 \quad k=3 \quad \text{Yes}$

$N=4 \quad k=1$

$N=4 \quad k=2$

$N=4 \quad k=3$

$N=4 \quad k=4$

- 234
- 1423X
- 2413 ✓✓✓
- 3142 ✓✓✓
- 4132X

g: A B, K

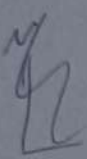
$$\frac{a^{n+1}}{k_p \neq K} \quad \frac{\min}{\text{sum}(C) + k_p}$$

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

a b c d a

a b c d

e f g h

h:  N, M  
graph Vj: N [1, 0, 0, ..., 0]  
Na e f g h a e  
5

K kez her i=1'den N-1

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

output +

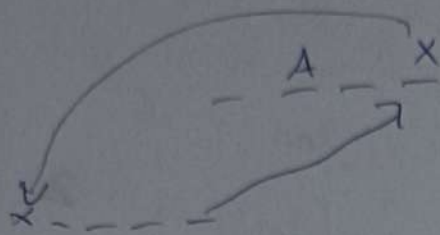
$$A[N-i] = ?$$

0 - - - -  
14+5  
17.15  
a b c d  
e f g h

①	1	<del>0</del>	0	0	0	0	0	0	0	0	0	2 <sup>0</sup>	1
②	1	1	0	0	0	0	0	0	0	0	0		2
④	1	2	1	0	0	0	0	0	0	0	0		3
⑧	1	3	3	1									4
⑫	1	4	6	4	1	0	0	0	0	0	0		5
⑮	2	5	10	10	5								
2 <sup>k</sup>	7	7	15	20	15								*

e; 4 elde 4 sanda CR

Sonra E ile ugrastim



A = X tekrar

$$1 \leq n \leq 100$$

n = [ ]

Input

Output

N

VALID

$\begin{bmatrix} s_1 \\ s_2 \\ \vdots \\ s_n \end{bmatrix}$

INVALID

N

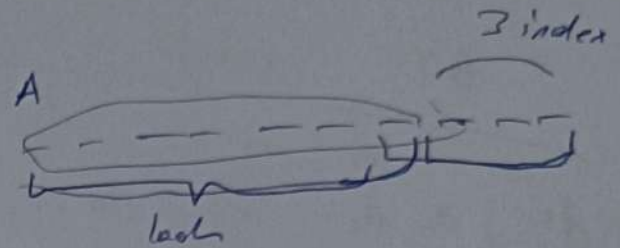
~~abac~~

aab cdefg

8 mxx 2

~~a b c x~~

~~a b c x~~



a b c d e f g h

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

a b c d e

b a c d

a a

a b c d e

14+5  
(19.15 son)

2.4  
a a - - -  
↓  
e l e s e

d b d c k  
yok oyle bi ayni

✓10	18V
✓19	28V
✓65	79V
✓95	98

a b c d a

