

2015-2016 .

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1.

ball.dpr | ball.pas | ball.cpp | ball.c | ball.bas

input.txt

(2 n 1000, 1 a n, 0 m 1000000).
..., k_n, k_i –

n –

m –

, a –

k₁, k₂,
i (1 k_i n, k_i i).

output.txt

input.txt	output.txt
5 1 10 2 3 4 5 1	1
5 3 10 2 1 5 3 4	5
10 6 100 2 3 1 1 1 9 1 4 6 9	6

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2.

seq.dpr | seq.pas | seq.cpp | seq.c | seq.bas

input.txt n -
(1 n 1000000).
x1, x2, ..., xn (1 xi 10⁹).

output.txt

0 ().

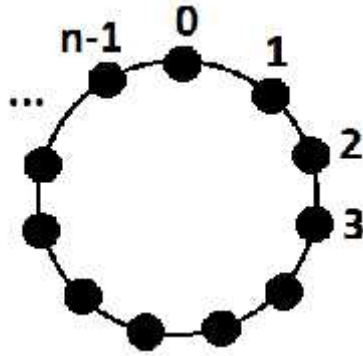
input.txt	output.txt
5 214 3336 43 15 1000	43
5 214 3336 44 16 1000	0
10 49 10 32 32 63 15 38 92 89 52	89

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3.

tram.dpr | tram.pas | tram.cpp | tram.c | tram.bas

n-1.



B.

A.

0

T.

A

B

P.

input.txt n, A, B, T, P (2 ≤ n ≤ 1,000,000, 0 ≤ A, B < n, 0 ≤ T ≤ 1000, 1 ≤ P ≤ 1,000,000,000).

output.txt

input.txt	output.txt
6 2 4 10 45	40
6 2 1 10 45	45
6 0 5 10 45	10

⋮
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4.

⋮
friends.dpr | friends.pas | friends.cpp | friends.c | friends.bas

, 25 55222 , 25
250 – . , .

input.txt

A B (0 **A, B** 1,000,000,000).

output.txt
“no” ()

“friends” (), **A B**
.

input.txt	output.txt
25 55222	friends
25 250	no
1 1	friends

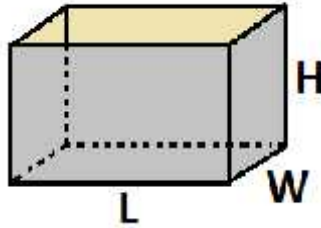
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5.

box.dpr | box.pas | box.cpp | box.c | box.bas

H.

L, W



input.txt
L2, W2, H2 –

L1, W1, H1 –
(0 < Li, Wi, Hi 1,000,000).

output.txt

(,)
L1+W1+H1+L2+W2+ H2.

input.txt	otput.txt
3 5 4 6 2 4	14
3 5 4 6 2 6	26
2 1 9 3 10 3	16

2 x 3 x 5

2 x 3 x 5.