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, / ++, **Basic**, **java**.  
Delphi, Free Pascal, Dev-Cpp, QBasic 4.5, VB6, JexePack.

**input.txt**

**output.txt.**

++,  
1  
20  
Basic  
100  
winner.cpp (  
).  
1  
QBasic4.5,  
olymp.baltinform.ru/forum →  
» → «  
».

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1.

winner.dpr | winner.pas | winner.cpp | winner.c | winner.bas | winner.java

input.txt.

**input.txt**  
(0  $n$  100000).  
 $b_1, b_2, b_3, b_4, b_5$  —  
 $n$  —  
1, 2, 3, 4 5 (0  $b_i$  20).  
1  $n$ ,

output.txt

input.txt	output.txt
3 0 10 0 0 3 20 0 0 20 9 0 0 1 2 1	0
3 10 15 20 15 10 20 20 20 0 0 10 20 20 0 20	2 1 3

⋮  
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2.

⋮  
**race.dpr | race.pas | race.cpp | race.c | race.bas | race.java**

⋮  
 1, 2, ..., n.  
 $F_1, F_2, \dots, F_{n-1}$ ,  
 $V_i$ ,  
 $W$ .  
 $i-1$

$W \leq 10^6$ .  
**input.txt**       $n$        $W$  (1 ≤  $n$  ≤ 100000, 0 <  
 $n-1$        $F_1, F_2, \dots, F_{n-1}$  (0 ≤  $F_i$  ≤  $10^6$ ).  
 $V_1, V_2, \dots, V_n$  (0 ≤  $V_i$  ≤  $10^6$ ).

**output.txt**  
 1,  
 0 ( ).

<b>input.txt</b>	<b>output.txt</b>
3 20 10 0 15 15 15	2
3 20 9 100 15 15 15	1

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3.

election.dpr | election.pas | election.cpp | election.c | election.bas | election.java

$P_1, P_2, \dots, P_M$  are the number of votes for each party.  $P_1 + P_2 + \dots + P_M = P$ .  
 $K$  is the number of seats in the parliament.  
 $R$  is the number of seats needed to form a ruling party.  
 $Q$  is the number of seats needed to form a coalition.  
 $A$  is the number of seats needed to form a new election.  
**input.txt**  $K, M, R, Q, A$  (1  $N$   $10^5, 1 K 1000, 1 M 100, 1 R, Q$   
 $V_1, \dots, V_N$   
 $V_i > 0, i$   
 $V_i = -1,$   
**output.txt** ruling party,  
 coalition,  
 new election.

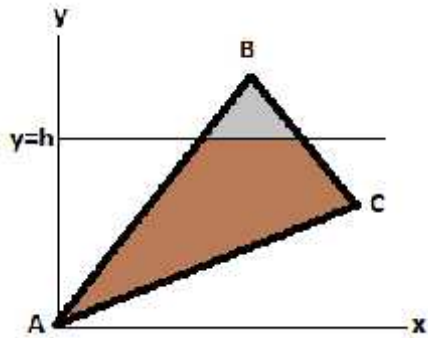
input.txt	output.txt
3 10 2 2 3 25 2 1 2	ruling party 2 (7)
8 8 5 2 3 25 1 1 1 2 2 3 4 5	new election
8 8 5 2 1 25 1 1 1 2 2 3 4 5	coalition 1 (3) 3 (1) 4 (1)

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4.

division.dpr | division.pas | division.cpp | division.c | division.bas | division.java

A (0, 0), B (xB, yB) C (xC, yC).  
y = h  
1:K.



input.txt  
(xB, yB, xC, yC 0, 1 K 1000).

xB, yB, xC, yC

K

output.txt

h c

0.001.

input.txt	output.txt
5.00 0.00 4.50 6.00 2	2.53590

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5.

remote.dpr | remote.pas | remote.cpp | remote.c | remote.bas | remote.java

K  
 1 K.  
 (« »).  
 ( )  
 ( )  
 ( )

input.txt

K (1 K 20).

K

i-  
 K  
 K j -1, 0 1. -1 j- i- j  
 i, 0 , j-

output.txt

-1.

input.txt	output.txt
2 1 1 1 -1 -1 1	-1
3 1 0 1 1 -1 0 1 0 1 -1 1 1	1
3 1 1 1 1 0 0 0 1 0 0 0 1	3