

Programming assignment 7

Assembly line

Input (Standard input)

In first line, the integer N is given, which means the number of station ($1 \leq N \leq 100$).

In second line, the two integers e_1, e_2 are given ($1 \leq e_i \leq 100$).

In third line, the two integers x_1, x_2 are given.

In fourth line, the N integers $a_{1,1}, a_{1,2}, \dots, a_{1,n}$ are given ($1 \leq a_{1,j} \leq 100$).

In fifth line, the N integers $a_{2,1}, a_{2,2}, \dots, a_{2,n}$ are given ($1 \leq a_{2,j} \leq 100$). In

sixth line, the N integers $t_{1,1}, t_{1,2}, \dots, t_{1,n-1}$ are given ($1 \leq t_{1,j} \leq 100$). In

seventh line, the N integers $t_{2,1}, t_{2,2}, \dots, t_{2,n-1}$ are given ($1 \leq t_{2,j} \leq 100$).

Output (Standard output)

In first line, print the fastest assembly time.

If results of first line and second line are same, the first line must be selected.

In the next N line, print each process. Print with the output form given below:

Print the i th line's j th station as ' $i j$ ', and print as increasing order of the station.

[Example]

Sample Input	Sample Output
6	38
2 4	1 1
3 2	2 2
7 9 3 4 8 4	1 3
8 5 6 4 5 7	2 4
2 3 1 3 4	2 5
2 1 2 2 1	1 6

Description

1. File name must be Assembly_line.cpp
2. Make a comment of your student ID, name and class in the first line of the source code.
ex) 2014601028_Honggildong_A
3. Please keep the source code that you have submitted for some unexpected accident.