

# 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.

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. Back up your submitted source code for an unexpected accident.