

## Stock buy and sell

Submissions: 83693 (/problem\_submissions.php?pid=376) Accuracy: 30.43% Difficulty: Medium (https://practice.geeksforgeeks.org/Medium/0/0/) Marks: 4

Associated Course(s): Must Do Interview Preparation (/courses/must-do-interview-prep/)

Show Topic Tags

Company Tags

Accolite (/company/Accolite/)

Amazon (/company/Amazon/)

D-E-Shaw (/company/D-E-Shaw/)

Directi (/company/Directi/)

Facebook (/company/Facebook/)

Flipkart (/company/Flipkart/)

Goldman Sachs (/company/Goldman Sachs/)

Hike (/company/Hike/)

Intuit (/company/Intuit /)

MakeMyTrip (/company/MakeMyTrip/)

Microsoft (/company/Microsoft/)

Morgan Stanley (/company/Morgan Stanley/)

Ola Cabs (/company/Ola Cabs/)

Oracle (/company/Oracle/)

Paytm (/company/Paytm/)

Pubmatic (/company/Pubmatic/)

Quikr (/company/Quikr/)

Salesforce (/company/Salesforce/)

Samsung (/company/Samsung/)

SAP Labs (/company/SAP Labs/)

Sapient (/company/Sapient/)

Swiggy (/company/Swiggy/)

Walmart (/company/Walmart/)

LIVE BATCHES

### Problems

The cost of stock on each day is given in an array **A[]** of size **N**. Find all the days on which you buy and sell the stock so that in between those days your profit is maximum.

#### Input:

First line contains number of test cases **T**. First line of each test case contains an integer value **N** denoting the number of days, followed by an array of stock prices of **N** days.

#### Output:

For each testcase, output all the days with profit in a single line. And if there is no profit then print "**No Profit**".

#### Constraints:

1 <= T <= 100  
2 <= N <= 10<sup>3</sup>  
0 <= A<sub>i</sub> <= 10<sup>4</sup>

#### Example

##### Input:

```
2
7
100 180 260 310 40 535 695
10
23 13 25 29 33 19 34 45 65 67
```

##### Output:

```
(0 3) (4 6)
(1 4) (5 9)
```

#### Explanation:

**Testcase 1:** We can buy stock on day 0, and sell it on 3rd day, which will give us maximum profit.

**Note:** Output format is as follows - (buy\_day sell\_day) (buy\_day sell\_day)

For each input, output should be in a single line.

**\*\* For More Input/Output Examples Use 'Expected Output' option \*\***

Contributor: Harshit Sidhwa

Author: atharv (https://auth.geeksforgeeks.org/user/atharv/practice/)

(/problem\_submissions.php?pid=376) (/problem\_submissions.php?pid=376&isSolved=ALL&lang=ALL&user=Self)

Editorial (/editorial.php?pid=376)

My Submissions

All Submissions

Monokai

C++ (g++ 5.4)

⚙️ (https://auth.geeksforgeeks.org/edit-profile.php) ↺️ ↻️ ↗️