



# STUDENT REPORT

## DETAILS

Name

MANJUNATH B

Roll Number

22BI24ME404-T

## EXPERIMENT

Title

ARDUINO

Description

Tom is an Arduino Programmer. He has designed a program to run his robocar on a horizontal number line. Initially, the car is parked at: 0. Given an array A of N integers which can be A. B. C... the robocar runs as follows as per the designed program

First the robocar moves A units in specified direction(right in case the integer is positive and left if the integer is negative).

Then robocar first moves A units and then B units in a specified direction.

In the next step, the robocar moves A units. B units, and then C units in a specified direction.

This process keeps on repeating as per the number of integers in the sequence..

Your task is to find and return an integer value, representing the farthest coordinate reached by the robocar from the beginning to the end of the process.

Sample Input:

1 -2 3 4

Sample Output:

6

Source Code:

```
l=list(map(int,input().split()))
```

```
sm=0
```

```
mx=0
```

```
for i in l:
```

```
    sm+=i
```

```
    mx=max(mx,abs(sm))
```

```
print(mx)
```

## RESULT

22B

ME40

22B1

404  
ME40

2B124  
22B1

104-T  
ME40

124MF  
22B1