```
Blank Stand Company
    Mame
             V SHASHIDHARA
                                                                                                                       28/0
           Roll Number
             TEMPBToch-EEE120
        EXPERIMENT
otto Tollippo
        Title o
           ARDUINO
           Description
             Tom is an Arduino Programmer. He has designed a program to run his robecar 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 Aunits and then Bunits in a specified direction.
                                                                                                                                                          1882 ook es
             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..
MPBToc
                                                                                                                                                          , 200 120 Cold
             Your task is to find and retum an integer value, representing the farthest coordinate reached by the rebocar from the beginning to the end of the process.
             Sample Input:
             1-234
             Sample Output:
             6
(SWDBLe,
           Source Code:
              def find_farthest_coordinate(arr):
                current_position = 0
on 200120
                max_distance = 0
                for i in range(len(arr)):
                   current_position += arr[i]
                   max_distance = max(max_distance, abs(current_position))
 (SIMPBT 6)
                return max_distance
                   = list(map(int,input(). split()))
              result = find_farthest_coordinate(arr)
             print(result)
        RESULT
           5 / 5 Test Cases Passed | 100 %
   SIMP
                                                                                                           MPBTo
```