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23D21A05H4-Arduino STUDENT REPORT **DETAILS** Roll Number Name SAMALA JAHNAVI 23D21A05H4 ARDUINO 2307 TROSHA 23077 **EXPERIMENT** Title Source Code: Description Tom is an Arduino Programmer. He has designed a program to def farthest_coordinate(A): run his robocar on a horizontal number line. Initially, the car is curr_pos = 0 parked at: 0. Given an array A of N integers which can be A. B. farthest = 0 for i in range(len(A)): C... the robocar runs as follows as per the designed program curr_pos += A[i] farthest = max(farthest,abs(curr_pos)) First the robocar moves A units in specified direction(right return farthest in case the integer is positive and left if the integer is A = list(map(int,input().split())) negative). print(farthest_coordinate(A)) 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:

230

RESULT

5 / 5 Test Cases Passed | 100 %

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