```
def farthest_coordinate(arr):
        current_position = 0
        farthest_distance = 0
        for i in range(len(arr)):
            # Move according to the current sequence of movements
            for j in range(i + 1):
                current_position += arr[j] # Move A, then A+B, then A+B+C, etc.
            # Update the farthest distance reached
            farthest_distance = max(farthest_distance, abs(current_position))
        return farthest_distance
    # Sample Input
    arr = list(map(int, input().strip().split()))
    # Get the result
    result = farthest_coordinate(arr)
    print(result) # Output: 6
RESULT
  0 / 5 Test Cases Passed | 0 %
```