**Approach:**

1. Assume all points lie on x-coordinate(arrange accordingly)

2) If total numbers are odd in length, find difference of all elements with the middle element, this gives the cost

3) Otherwise if even, take avg of middle 2 elements

Now find cost of changing all elements to the avg by taking difference of all elements with the mid-avg and return cost

CODE

arr= [4,6]

n = len(arr)

if n % 2 == 0:

target = (arr[n//2] + arr[(n//2)-1])//2

else:

target = arr[n//2]

diff\_sum = 0

for num in arr:

diff\_sum += abs(target-num)

return diff\_sum