Maximum sum of absolute difference of an array

只需要数组为一小一大交替排放即可

```
#include <bits/stdc++.h>

using namespace std;

int maxAbsDiff(vector<int>& arr, int N) {
    sort(arr.begin(), arr.end());
    vector<int> finalSeq;
    for (int i = 0; i < N / 2; ++i) {
        finalSeq.push_back(arr[i]);
        finalSeq.push_back(arr[N - 1 - i]);
    }
    int maxAbs = 0;
    for (int i = 0; i < N - 1; ++i) {
        maxAbs += abs(finalSeq[i] - finalSeq[i + 1]);
    }
    maxAbs += abs(finalSeq[N - 1] - finalSeq[0]);
    return maxAbs;
}

int main() {
    vector<int> arr = {1, 2, 4, 8};
    int N = 4;
    printf("%d\n", maxAbsDiff(arr, N));
    return 0;
}
```