#include <stdio.h>

#include <stdlib.h>

int compare(const void\* a, const void\* b) {

return (\*(int\*)a - \*(int\*)b);

}

int maximizeSum(int\* arr, int n) {

qsort(arr, n, sizeof(int), compare);

int max\_sum = 0;

for (int i = 0; i < n; i++) {

max\_sum += arr[i] \* i;

}

return max\_sum;

}

int main() {

int n;

scanf("%d", &n);

int arr[n];

for (int i = 0; i < n; i++) {

scanf("%d", &arr[i]);

}

int result = maximizeSum(arr, n);

printf("%d\n", result);

return 0;

}

