#include <cstdio>

#include <queue>

#include <vector>

using namespace std;

priority\_queue<int, vector<int>, greater<int> > Q;

int main()

{

freopen("plank.in", "r", stdin);

freopen("plank.out", "w", stdout);

int n, p, q;

long long ans = 0;

scanf("%d", &n);

for (p = 0; p < n; p++)

{

scanf("%d", &q);

Q.push(q);

}

while (Q.size() != 1)

{

p = Q.top(); Q.pop();

q = Q.top(); Q.pop();

ans += p+q;

Q.push(p+q);

}

printf("%lld\n", ans);

return 0;

}