Problem Link:

<https://leetcode.com/problems/put-marbles-in-bags/?envType=daily-question&envId=2025-03-31>

Solution:

class Solution {

public:

long long putMarbles(vector<int>& weights, int k) {

int n = weights.size();

if(k==1)

return 0;

vector<int> v;

for(int i=0; i<n-1; ++i)

{

v.push\_back(weights[i] + weights[i + 1]);

}

sort(v.begin(), v.end());

long long mins = 0;

for(int i=0; i<k-1; ++i)

{

mins += v[i];

}

long long maxs = 0;

for(int i=n-2; i>=n-k; --i)

{

maxs += v[i];

}

return maxs - mins;

}

};