Problem Link:

<https://leetcode.com/problems/find-subsequence-of-length-k-with-the-largest-sum/?envType=daily-question&envId=2025-06-28>

Solution:

class Solution {

public:

vector<int> maxSubsequence(vector<int>& nums, int k) {

vector<pair<int, int>> v;

for(int i = 0; i < nums.size(); ++i)

{

v.push\_back({nums[i], i});

}

sort(v.begin(), v.end(), greater<>());

vector<pair<int, int>> t(v.begin(), v.begin() + k);

sort(t.begin(), t.end(), [](auto &a, auto &b)

{

return a.second < b.second;

});

vector<int> r;

for(auto &p : t)

{

r.push\_back(p.first);

}

return r;

}

};