

```

#include <iostream>
#include <vector>
#include <limits>

int INF = std::numeric_limits<int>::max();

void foo(const std::vector<int> &production_costs, const std::vector<int>
&storing_costs, const std::vector<int> &qi,
        int min_capacity = 2, int max_capacity = 5, int months = 4, int beg
= 4, int end = 3) {
    std::vector<std::vector<int>> result(months + 1,
std::vector<int>(max_capacity + 1, 0));

    for (int month = 1; month <= months; month++) {
        for (int status = beg; status >= min_capacity && status <=
max_capacity; status++) {

        }
    }
}

int main() {
    std::vector<int> production_costs = {2, 8, 12, 15, 17, 20};
    std::vector<int> storing_costs = {INF, INF, 1, 2, 2, 4};
    std::vector<int> qi = {4, 2, 6, 5, INF, INF};

    foo(production_costs, storing_costs, qi);

    return 0;
}

```