#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;  
}