

```
1  #include <bits/stdc++.h>
2  using namespace std;
3
4  const int MAX_SIZE = 200;
5
6  int main()
7  {
8      int arr[MAX_SIZE] = {0};
9      int dp[MAX_SIZE] = {0};
10     int n = 0;
11     cin >> n;
12     for (int i = 1; i <= n; i++)
13     {
14         cin >> arr[i];
15     }
16     int ans = -1;
17     for (int i = 1; i <= n; i++)
18     {
19         dp[i] = 1;
20         for (int j = 1; j < i; j++)
21         {
22             if (arr[i] >= arr[j] && (dp[j] + 1) > dp[i])
23             {
24                 dp[i] = dp[j] + 1;
25             }
26         }
27         ans = max(ans, dp[i]);
28     }
29     cout << ans << endl;
30     return 0;
31 }
```