C version of the algorithm (found on internet):

```
void findLIS(vector<int> const &arr)
         vector<vector<int>> LIS(n, vector<int>{});
        // LIS[0] denotes the longest increasing subsequence ending at `arr[0]' LIS[0].push_back(arr[0]);
             for (int j = 0; j < i; j++)
                LIS[i] = LIS[j];
}
            LIS[i].push_back(arr[i]);
             if (LIS[j].size() < LIS[i].size()) {</pre>
        // print LIS
cout << "Output: ";</pre>
for (int i: LIS[j]) {
            cout << i << '
         findLIS(arr);
```

- All explanations are in the code comments.
- Result is wrong and produces infinite loop.
- I can not test the program in this case.
- Program uses procedures (jal&jr)