SLOW-CONVEX-HULL(P)

```
1  // Input: A set P of points in the plane.
2  // Output: A list L containing the vertices of CH(P) in clockwise order.
3  E = 0
4  for (p, q) ∈ P × P and p ≠ q
5        valid = true
6        for r ∈ P and r ≠ p and r ≠ q
7              if r lies left of the directed line from p to q
8                    valid = false
9        if valid
10             E.append(p⃗q)
11 From the set E of edges construct a list L of vertices of CH(P), sorted in clockwise order.
```

CONVEX-HULL(P)

```
1  // Input: A set P of points in the plane.
2  // Output: A list containing the vertices of CH(P) in clockwise order.
3  Sort the points by x-coordinate, resulting in a sequence [p_1, ..., p_n]
4  L_upper = {p_1, p_2}
5  for i = 3 to n
6        L_upper.append(p_i)
7              while L_upper.size() > 2 and L_upper.turnRight() == false
8                    L_upper.deleteMiddleOfLast3P()
```