

Algorithm SLOWCONVEXHULL(P)

Input. A set P of points in the plane.

Output. A list \mathcal{L} containing the vertices of $\mathcal{CH}(P)$ in clockwise order.

1. $E \leftarrow \emptyset$.
2. **for** all ordered pairs $(p, q) \in P \times P$ with p not equal to q
3. **do** $valid \leftarrow \mathbf{true}$
4. **for** all points $r \in P$ not equal to p or q
5. **do if** r lies to the left of the directed line from p to q
6. **then** $valid \leftarrow \mathbf{false}$.
7. **if** $valid$ **then** Add the directed edge \overrightarrow{pq} to E .
8. From the set E of edges construct a list \mathcal{L} of vertices of $\mathcal{CH}(P)$, sorted in clockwise order.