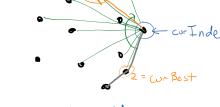
points: stored in a list [P, P2, ..., Pn]

LeftOf(a,b,c) returns True iff c is lef of alo





repeat this for each point in the holl

IMPLEMENTATION

het curIndex be index of corrent point on the holl.

Let cur Best be the index of some point if wrIndex = 1, then set wrBest = 2otherwise, corBest = 1

For i from 2 to n'.

If i == curBest or ; == curIndex: continue

If Left Of (pts[cvIndex], pts[i], pts[cvrBest]): Set cur Best = i

Let h be the number of points in the hull. Then the gift-wrapping algorithm is O(nh).

Worst case: n=h, so alg is O(n2).

GRAHAM SCAN ALGORITHM - O(n logn)

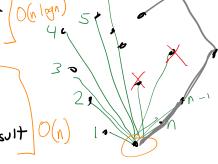
1. Choose the lowest point as an anchor] o(n) 6 "

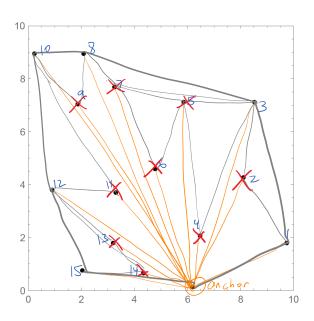
2. Sort all the other points by their only st

3. Construct the hall as follows:

· append next point to the hull

· remove any reflex vortices that result O(n)





SORTING POINTS

is b left of ac?.

If yes, then c comes before b.

If no, then b comes before c.

Fact: Sorting n items can be done in O(nlogn)
time, but not faster.

Coptimal