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## Visibility & Kernel

- ❖ Let P be a polygon in the plane
- ❖ Two points p and q are called

visible to each other w.r.t. to P if

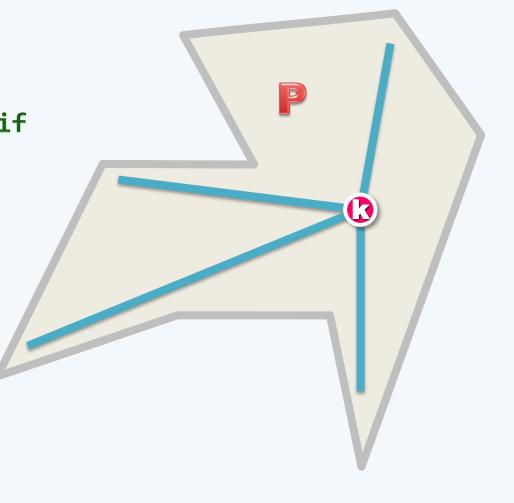
the segment pq is

entirely contained in P

❖ The kernel of P consists of points

visible to the interior of P

❖ P is called star-shaped if
it has a non-empty kernel



## Algorithm

- ❖ ♂(n) algorithm for simple polygons
  - D. T. Lee and F. F. P. Preparata,

An optimal algorithm for finding the kernel of a polygon,

- J. Ass. Comput. Mach., 26(3), 415-421, 1979
- http://dsa.cs.tsinghua.edu.cn/~deng/cg/demo/kernel/