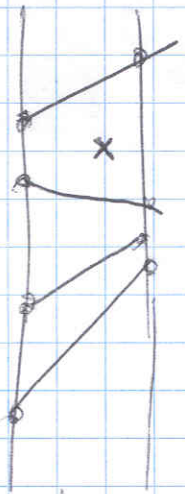
6.897
L4.05
Feb. 24, 2003

OPEN: (Demaine & Iacono 2003)
2D point location with fusion trees.

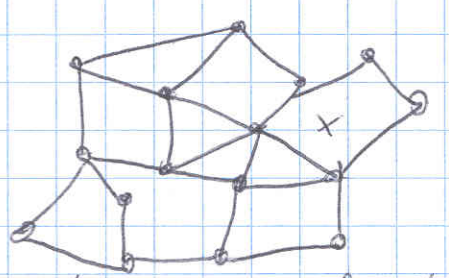


how to locate within a strip?

$O(\lg n)$ time/query
arbitrary preprocessing
(trapezoids are static)

This simple(?) case arises in the more general planar point location problem:

preprocess a planar map



to support queries of the form "what cell contains point x?"