

**Point Location**

**Trapezoidal Map**

**- Ray Shooting**

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## Subdivision of Segments

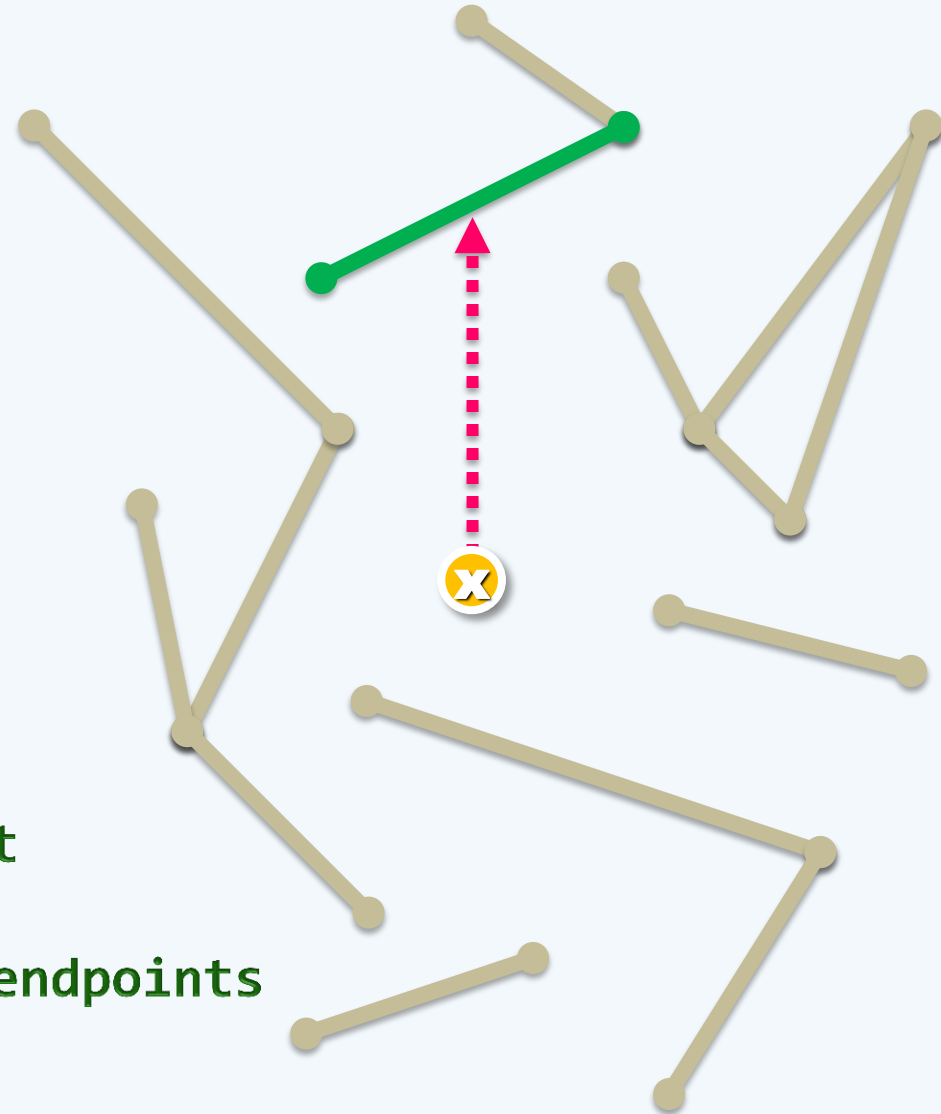
❖ Consider the subdivision of  
a collection of  
non-overlapping segments

$$S = \{ s_1, \dots, s_n \}$$

where

all segments do not intersect

except possibly at their endpoints



## Shooting Query

❖ Given a point  $x$ ,

find the segment of  $S$

lying directly above  $x$

