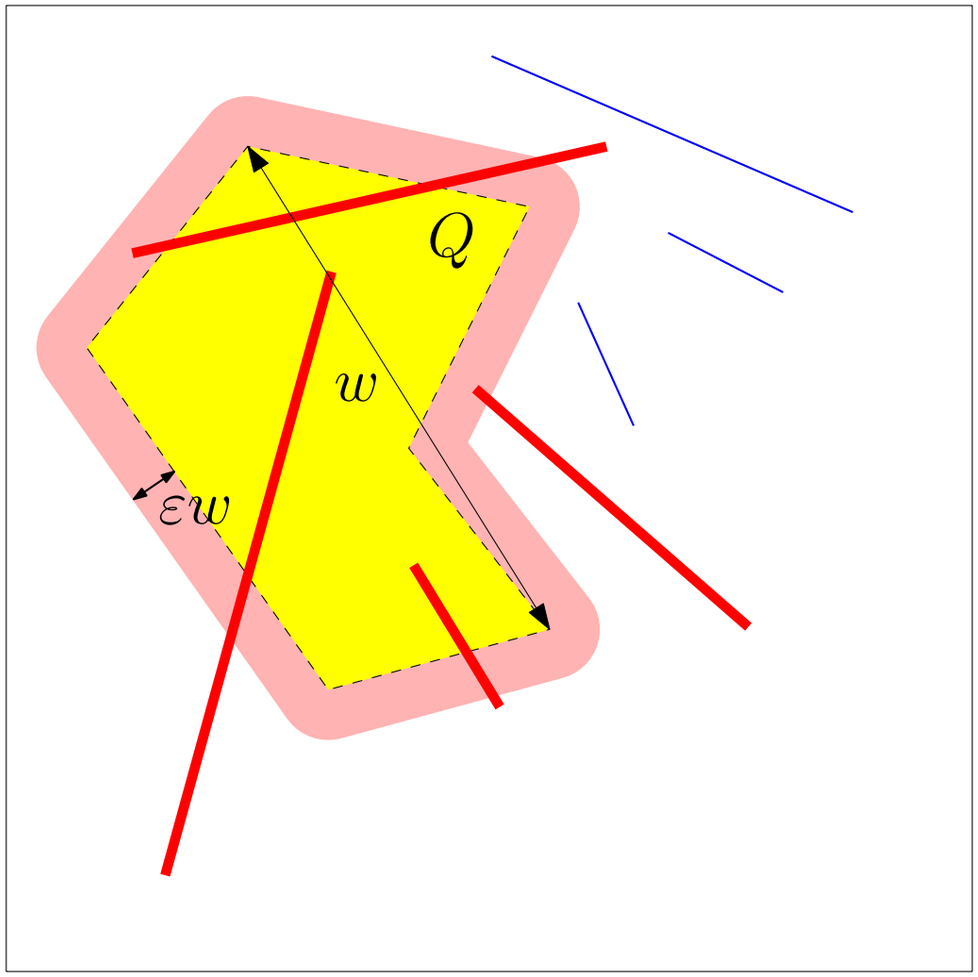
Range queries

Report all line segments intersecting
a query range Q of constant complexity

$w =$ diameter of Q

$k_\varepsilon =$ number of segments at distance $< \varepsilon w$ from Q