

# Windowing Query

Interval Tree: Query

- Algorithm (2)

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## queryIntervalTree( v, $q_x$ )

...

```
} else if (  $x_{\text{mid}}(v) < q_x$  ) {
```

```
    report all segments of  $S_{\text{mid}}(v)$  that contain  $q_x$ ;
```

```
    //by a scan of  $L_{\text{right}}(v)$ 
```

```
    queryIntervalTree(  $rc(v)$ ,  $q_x$  );
```

```
    //lc(v) can be ignored
```

```
} else //with a probability  $\approx 0$ 
```

```
    report all segments of  $S_{\text{mid}}( v )$ ; //both  $rc(v)$  &  $lc(v)$  can be ignored
```

