

Windowing Query

Interval Tree: Query

- Algorithm (1)

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queryIntervalTree(v , q_x)

```
if ( !  $v$  ) return; //base
```

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

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

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

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

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

```
} ...
```

