Windowing Query

2D-GRQ Using PST

- Algorithm (1/2)

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θ8-I-θ1

queryPST(v , x , y1 , y2)

❖ `if ( !v || x < v.x )`

- 🟢 `return //pruned for bad X`

`if ( ( y1 < v.y ) && ( v.y < y2 ) )`

- 🔴 `output(v) //accepted`

- 🔵 `//else rejected for bad y`

`if ( y1 ≤ v.ym )`

`queryPST( v.lc, x, y1, y2 )`

- 🟡 `//else pruned for bad y`

`if ( v.ym < y2 )`

`queryPST( v.rc, x, y1, y2 )`

- 🟡 `//else pruned for bad y`