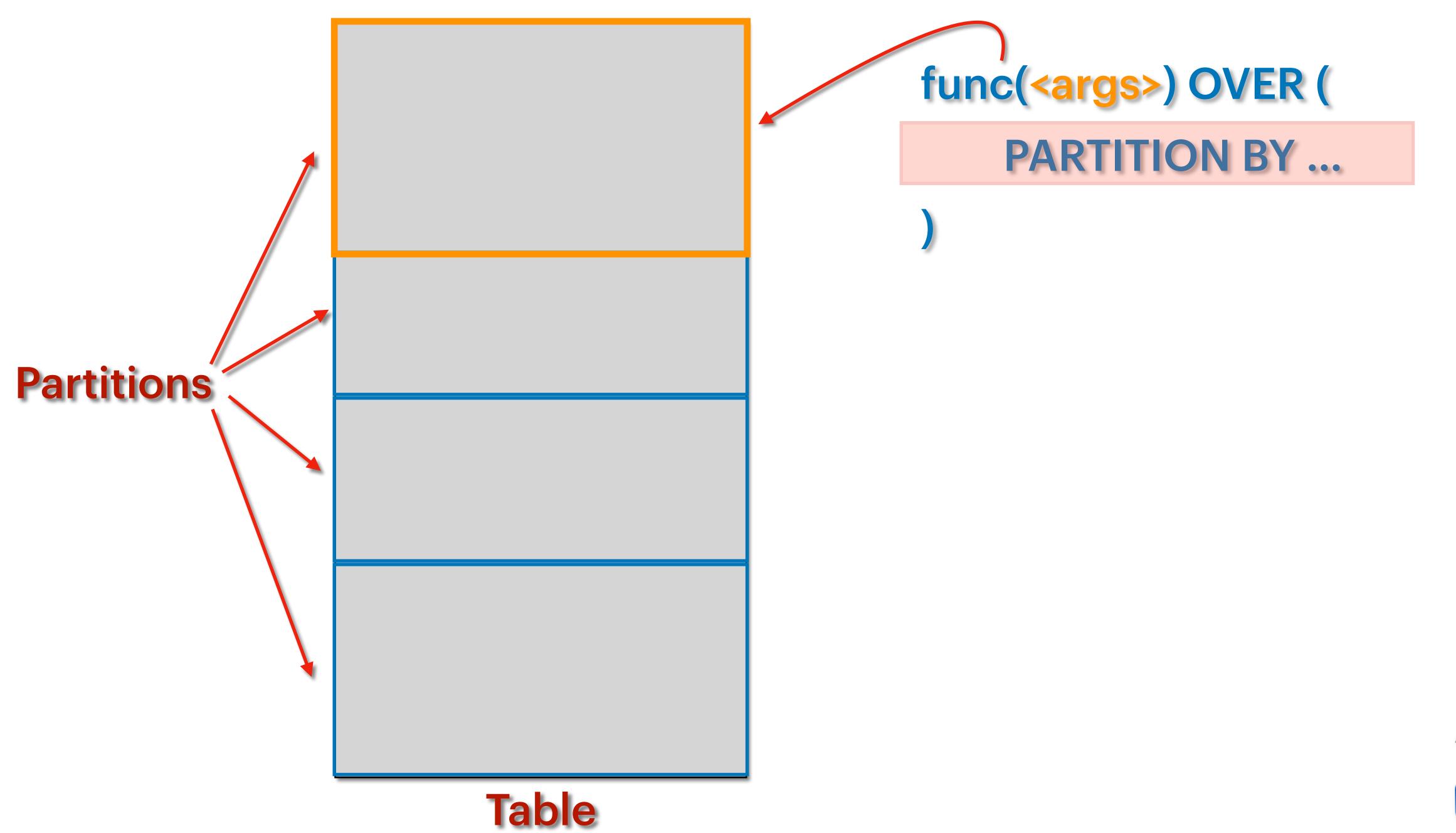


func(<args>) OVER (...)

- PARTITION BY ...

ORDER BY ...









```
func(<args>) OVER (
PARTITION BY ...

ORDER BY ...
```



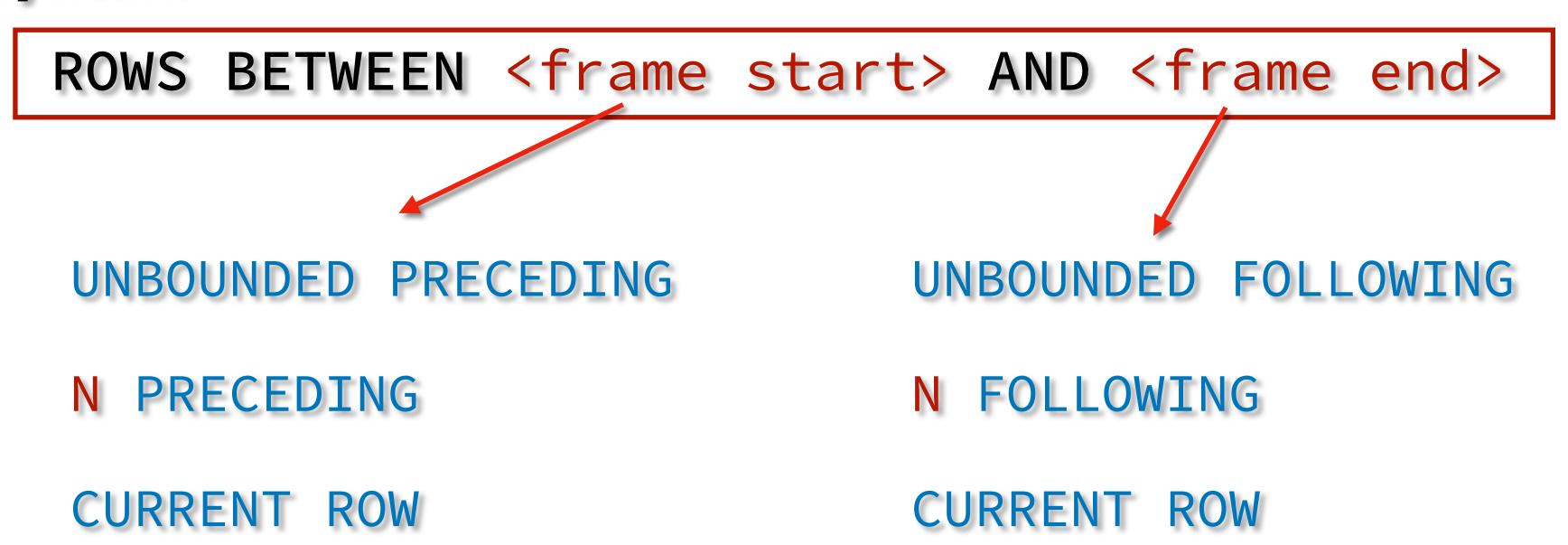
Frame RANGE



ROWS

 Defines the frame in terms of <u>number of rows</u> before and after the current row

Syntax:





ROWS

Examples

ROWS BETWEEN UNBOUNDED PRECEDING AND CURRENT ROW

ROWS BETWEEN 2 PRECEDING AND 2 FOLLOWING

ROWS BETWEEN UNBOUNDED PRECEDING AND UNBOUNDED FOLLOWING

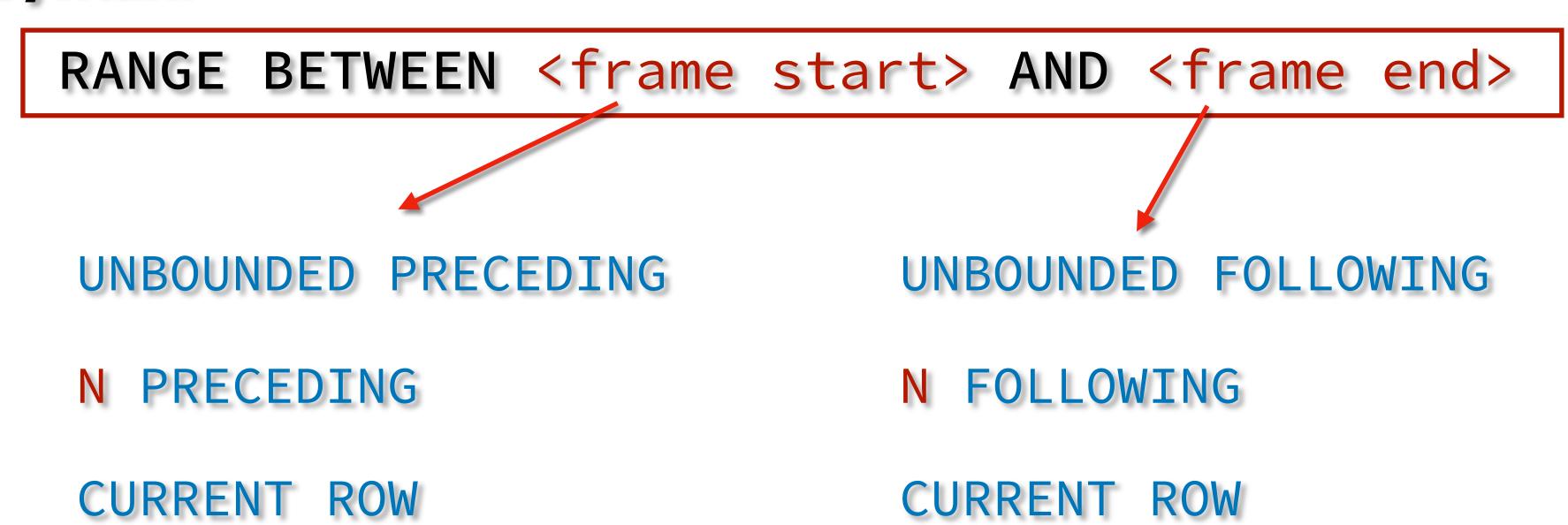
ROWS BETWEEN CURRENT ROW AND 1 FOLLOWING

ROWS BETWEEN CURRENT ROW AND CURRENT ROW



 Defines the frame in terms of <u>values</u> before and after the <u>value</u> in the current row (current value)

Syntax:





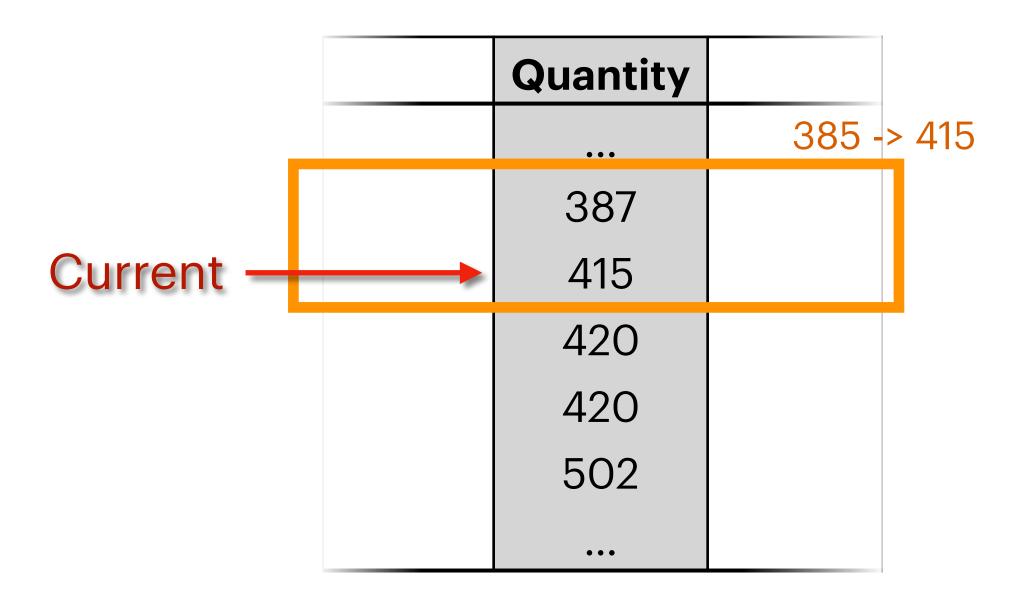
```
PARTITION BY ...
ORDER BY quantity
RANGE BETWEEN <frame start> AND <frame end>
)

quantity BETWEEN <start_val> AND <end_val>
```

If X is the value of "quantity" in the current row

- CURRENT ROW
 X
- N PRECEDING

 X N (not N rows before)
- N FOLLOWING \longrightarrow X + N (not N rows after)



RANGE BETWEEN 30 PRECEDING AND CURRENT ROW

quantity BETWEEN X-30 AND X



```
PARTITION BY ...
ORDER BY quantity DESC
RANGE BETWEEN <frame start> AND <frame end>
)

quantity BETWEEN <start_val> AND <end_val>
```

If X is the value of "quantity" in the current row

- CURRENT ROW → X
- N FOLLOWING → X + N (not N rows after) X N

Quantity	
•••	
502	
420	
420	
415	
387	
•••	



• Default Frame (when ORDER BY is used):

RANGE BETWEEN UNBOUNDED PRECEDING AND CURRENT ROW

- From beginning of partition until row with the same value as current row
- Might include rows after current row if they have the same value

