

NOT, AND, OR precedence

Ranks:-

Rank-1: NOT 1
Rank-2: AND 2
Rank-3: OR 3

Select - - - - ; AND / OR / NOT

Select A from avgs where $A=2$ AND $(A>2 \text{ OR } A<4)$

$(A=2 \text{ AND } A>2)$ ✓

↓

$(\text{output OR } A<4)$ ✓

↓

Final output

2

1

where $A < 2$ or $(A = 2 \text{ and } A = 4)$

\downarrow
 $(A < 2 \text{ or output})$
 \downarrow

final output

where $(A < 2 \text{ and } A = 2) \text{ and } A > 2 \text{ or } A < 2$

left \neq right

\downarrow
(output and $A > 2$)

\downarrow
(output or $A < 2$)

\downarrow
final output