

$p \sqcup q \sqcup r$

PartitionValue((2,13), context)

Condition  
(-inf <= x && x <= -2)

$x \mapsto [-\text{inf}, -2]$   
 $i \mapsto [0, 0]$

Condition  
(-1 <= x && x <= 1)

$x \mapsto [-1, 1]$   
 $i \mapsto [1, 1]$

Condition  
(2 <= x && x <= inf)

$x \mapsto [2, \text{inf}]$   
 $i \mapsto [2, 2]$