



Conditions

$[x \geq 0]$ 

All conditions can be satisfied

$[x < 0, y \neq 2]$ 

All conditions can be satisfied

$[x < 0, y \neq 2, z \leq -1, x > 0]$ 

All conditions can't be satisfied. It's not possible for  $x < 0$  at the same time as  $x > 0$

$[x < 0, y \neq 2, z > -1, x \leq 0]$ 

All conditions can be satisfied