

$$x = 12, y = 7, z = 12$$

$$x > y = 12 > 7 = 1$$

$$x < z = 12 < 12 = 0$$

$$x == z = 12 == 12 = 1$$

$$x \neq y = x \neq 7 = 1$$

$$!(2 * 5 > y) \parallel (5 \neq (5 / 3))$$

$$!(10 > 7) \parallel (5 \neq 16)$$

$$!(0) \parallel (1)$$

$$(1) \parallel (1) = 1$$

$$\begin{aligned} \neg (x < y) &= \neg (12 < 7) \\ &= \neg (0) \\ &= 1 \end{aligned}$$

$$(x + y) > (z * 2)$$

$$= (12 + 7) > (12 * 2)$$

$$= 19 > 24$$

$$= 0$$

$$(x \% 2 == 0) \parallel (y \% 2 == 1)$$

$$= (12 \% 2 == 0) \parallel (7 \% 2 == 1)$$

$$= (1) \parallel (1)$$

$$= 1$$

$$(x > y) \& \& (z < y)$$

$$(12 > 7) \& \& (12 < 7)$$

$$(1) \& \& (0) = 0$$