

Sandbox Testing Equations

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1 Two Cases

$$x = \begin{cases} -x & \text{if } x < 0 \\ x & \text{if } x \geq 0 \end{cases}$$
$$x = \begin{cases} -x & \text{if } x < 0 \\ x & \text{if } x \geq 0 \end{cases} \quad (1)$$

2 Two Cases, same line

$$f(x) = \begin{cases} 0 & \text{if } x < 0 \\ 1 & \text{if } x \geq 0 \end{cases} \quad g(x) = \begin{cases} f(x) + 1 & \text{if } x < 0 \\ f(x) - 1 & \text{if } x \geq 0 \end{cases}$$
$$f(x) = \begin{cases} 0 & \text{if } x < 0 \\ 1 & \text{if } x \geq 0 \end{cases} \quad g(x) = \begin{cases} f(x) + 1 & \text{if } x < 0 \\ f(x) - 1 & \text{if } x \geq 0 \end{cases} \quad (2)$$

case star

$$f(x) = \begin{cases} 0 & \text{if } x < 0 \\ 1 & \text{if } x \geq 0 \end{cases} \quad g(x) = \begin{cases} f(x) + 1 & \text{if } x < 0 \\ f(x) - 1 & \text{if } x \geq 0 \end{cases} \quad (3)$$

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