

Disjunction cont.

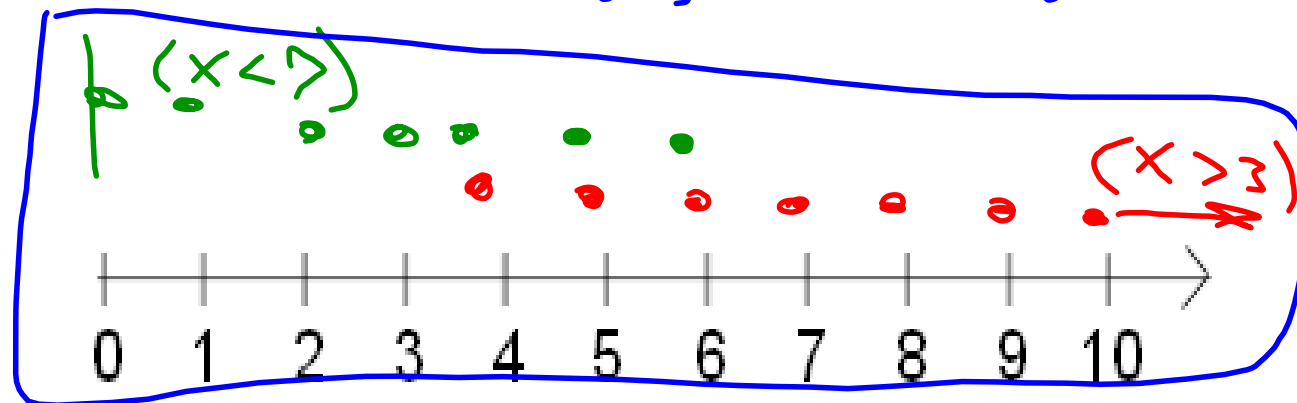
Sept. 29, 2006

ex) Disjunction w/ Solution Sets.

Find the solution set for

$$\underline{(x > 3)} \cup \underline{(x < 7)} \quad x \in \mathbb{N}$$

or \leftrightarrow disjunction \leftrightarrow union



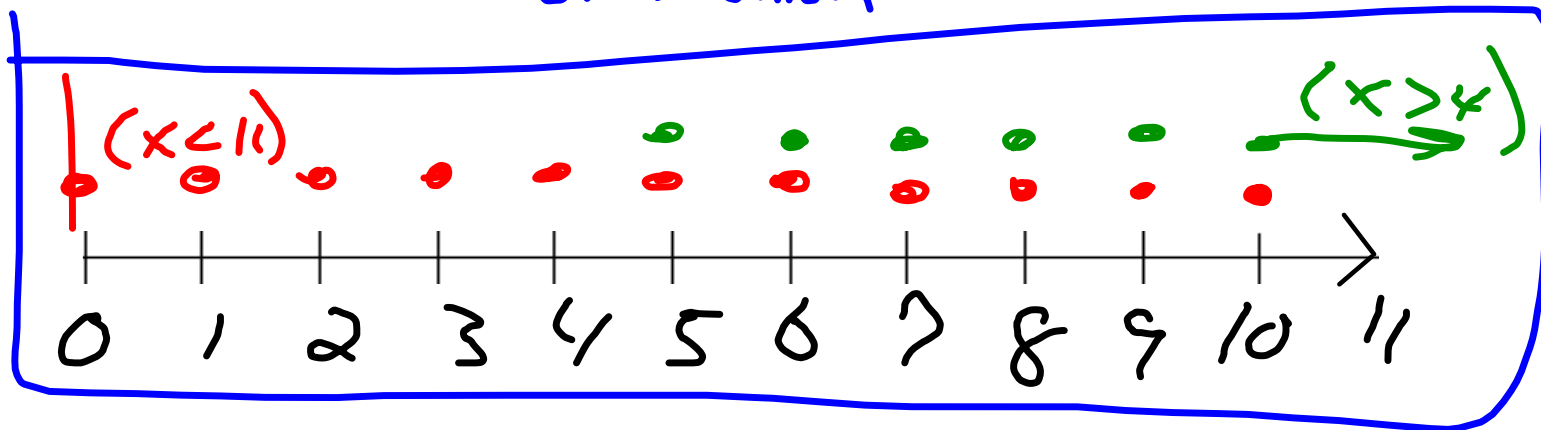
$\{0, 1, 2, 3, \dots\}$ of \mathbb{N}

EX) Disjunction w/ Solution Sets.

Find the solution set for

$$(\underline{x < 11}) \cup (\underline{x > 4}) \quad x \in \mathbb{N}$$

or Union



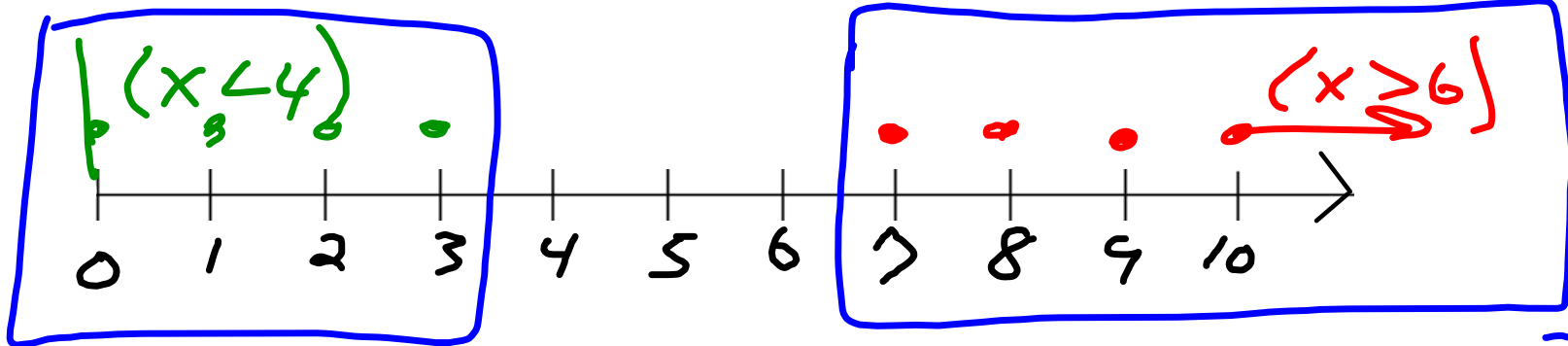
$$\{0, 1, 2, 3, \dots\} \text{ or } \mathbb{N}$$

EX) Disjunction w/ Solution Sets.

Find the solution set for

$$\underline{(x > 6)} \cup \underline{(x < 4)} \quad x \in \mathbb{N}$$

OR \leftrightarrow Union



$$\{0, 1, 2, 3, 7, 8, 9, 10, 11, \dots\}$$

O.T.L.

① Pg 15: 22, 24, 26, 27-47(0)

② Try #2 from Challenge

$\sim (s v \sim t)$ you need:

$s, t, \sim t, (s v \sim t), \sim (s v \sim t)$