

Pg 10-11: 1-18 T.V.; M-22

- ① T ② F ③ T ④ F ⑤ F ⑥ F ⑦ T
 ⑧ F ⑨ T ⑩ F ⑪ F ⑫ T ⑬ F ⑭ F
 ⑮ F ⑯ T ⑰ T ⑱ F

p	q	$\sim p$	$\sim p \wedge q$
T	T	F	F
T	F	F	F
F	T	T	T
F	F	T	F

p	q	$\sim q$	$p \wedge \sim q$
T	T	F	F
T	F	T	T
F	T	F	F
F	F	T	F

p	q	$\sim q$	$p \wedge \sim q$	$\sim(p \wedge \sim q)$
T	T	F	F	T
T	F	T	T	F
F	T	F	F	T
F	F	T	F	T

p	q	$\sim p$	$\sim q$	$\sim p \wedge \sim q$
T	T	F	F	F
T	F	F	T	F
F	T	T	F	F
F	F	T	T	T

1.3. Conjunction
Continue.

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ex1) $r \rightarrow "10+2=12" \Rightarrow \text{True}$

$s \rightarrow "Alliance \text{ is the capitol of Ohio.}" \Rightarrow \text{false}$

$t \rightarrow "Mr. G. \text{ teaches Math.}" \Rightarrow \text{True}$

Find the Truth Value of the following

i) $s \wedge \sim t$
 $F \wedge \sim T$
 $F \wedge F = \underline{\underline{F}}$

Sub. the T.V.
for the Variables

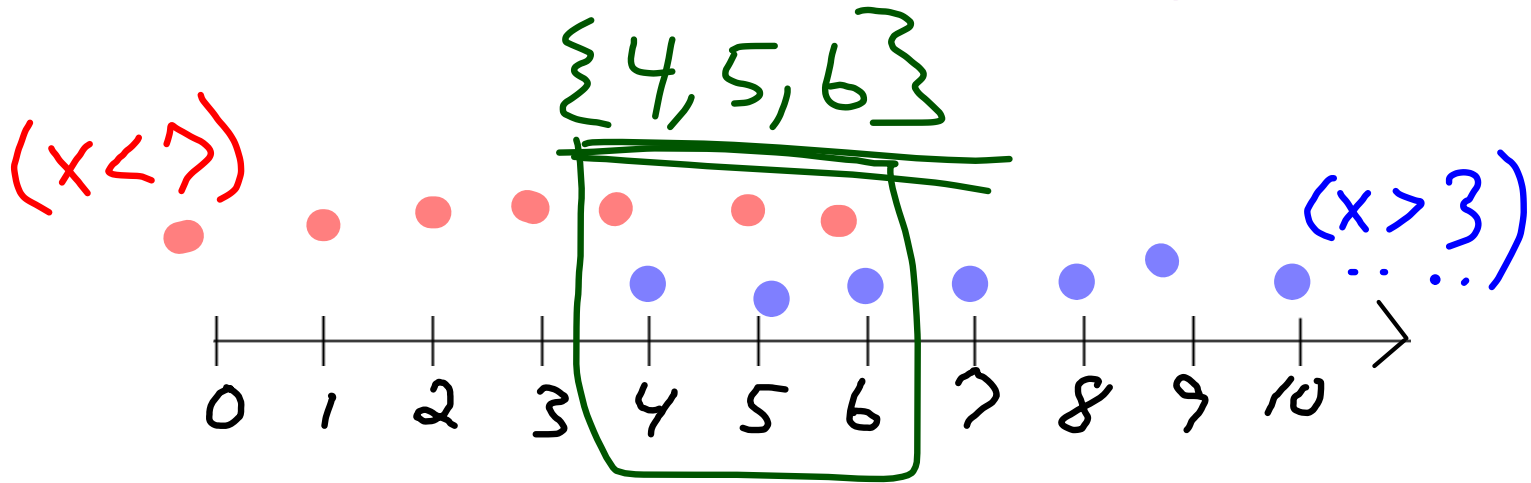
ii) $t \wedge (r \wedge \sim s)$
 $T \wedge (T \wedge \sim F)$
 $T \wedge (T \wedge T)$
 $T \wedge (T)$
 $\underline{\underline{T}}$

Find the Solution Set for

$(x > 3) \wedge (x < 7)$; if Domain \mathbb{W}

what they have in common

* "and" $\Leftrightarrow \wedge \Leftrightarrow$ Conjunction \Leftrightarrow Intersection



O.T.L.

- ① Turnin Ch 1.1-1.2 wk.st.
- ② pg 11: Written : 32-40 (all)
- ③ pg 11: Challenge : 1-6 (all)