



AND	Т	false	true	$\perp$
Т	Т	false	Т	1
false	false	false	false	false
true	T	false	true	$\perp$
1	_L	false	$\perp$	$\perp$
- neet f examp	∣⊥ functic ble: tru	<sup>false</sup> ons e ANI	⊥ D <b>?</b> , fa	⊥ alse A

OR T false true	1
T T T true	1
false $\top$ false true	
rue true true true t	true
$\perp$ $\perp$ true	

	ΙT	C1			
T	T	$c_1$	1		
$c_1$	$c_1$	$c_1$			
$c_2 \neq c_1$	<i>c</i> <sub>2</sub>	Ţ	1		
$\perp$	$ \perp$	$\perp$	$\perp \mid$		
Го ргора	gate co	onstai	nts:		
f constan	t appe	ars ir	ı con	ditiona	l
Insert as	ssignm	ent o	n true	branch	











## **Finding More Invariants**

- Build SSA graph
- If operands point to definition inside loop and definition is function of invariants (recursively)

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replace as before

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## <section-header><u<section-header> According to Code Motion bange A B </t





