Review Nested IF CompSci 94 • What happens if the diningTable has width 1.7 Logic with Ifs, Nested Ifs and depth 1.0? September 26, 2019 if DOTH Dtrue AND Dtrue I is true then if II (this.diningTable) getWidth > 21.5 is true then drop statement here if [] = (this.diningTable) getDepth | > =1.0 is true then else this.alien say at table is larger than 1.5 square feet. add detail drop statement here else this.diningTable say & hello add detail this.diningTable resize =1.2 add detail Prof. Susan Rodger else this.diningTable say ("Whoa") add detail (this.diningTable | resize 2.0 | add detail CompSci 94 Fall 2019 2 1 Logic Review Logic Truth Table • What are possible values of A and B - if **A** and **B** is True? not A A and B A or B Β Α - if **A** or **B** is True? False True True True True True | False False False True - if **A** or **B** is False? True False True False True False False True False False

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Logic Truth Table

A AND B is true only if both A and B are true

Α	В	not A	A and B	A or B
True	True	False	True	True
True	False	False	False	True
False	True	True	False	True
False	False	True	False	False

Logic Truth Table

A OR B is false only if both A and B are false

\mathbf{A}	В	not A	A and B	A or B
True	True	False	True	True
True	False	False	False	True
False	True	True	False	True
False	False	True	False	False

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Consider this code – Nested Ifs How would you write it with ONE IF?

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if [{(this.diningTable) getOpacity) > [0.99] is true then					
If [(this.alien) is Behind (this.diningTable) add detail) is true then					
(this.alien) serveFood					
(this.alien) say (No service today) add detail					
else					
(this.alien) say (No service today) add detail					

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What does bunny say?



Bunny is red to start.



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Bunny different. What does bunny say?

<pre>ff BOTH f (this.bunn) getPaint == RED AND { { this.panda getHeight > { this.bunny getHeight } } } } } } is this.bunny getHeight f add detail ************************************</pre>	<pre>ff BOTH [(this.bunny' getPaint ' == _ RED ' AND [{ this.panda ' getHeight ' > { this.bunny' getHeight ' }</pre>		
green to start. CompSci 94 Fall 2019 13	15 CompSci 94 Fall 2019		
 Announcements Assignment 3 due Tuesday night RQ and Videos due Tuesday 8:30am Exam 1 in two weeks, review next Thursday 	Class Today • Nested Ifs, Logic – and/or/not		

Give an example to make bunny say fourth