











Shortcuts I	UCT-CS
No else part	
if (numberOfStudents > 150) {	
<pre>System.out.println ("Full!"); }</pre>	
yes Bonus cheque !!	
year-end?	
no,	











Multiway selection	UCT-CS
 Multiple conditions, each of which causes a different block of statements to execute Can be used where there are more than 2 options 	
<pre>if (condition1) { statements } else { if (condition2) { statements } else </pre>	
}	











Java	Meaning	
&&	true if both parameters are true	
	true if at least one parameter is true	
!	true if parameter is false;	
	false if parameter is true;	
	lava && !	Iava Meaning && true if both parameters are true true if at least one parameter is true ! true if parameter is false; false if parameter is true;























Equivalence Classes



 Group input values into sets with similar expected behaviour and choose candidate values

□e.g., -50, 50, 150

 Choose values at and on either side of boundaries (*boundary value analysis*)
 e.g., 0, 1, 2, 99, 100, 101





Intro to Artificial Intelligence **Glass and Black Boxes** LICT-CS If you can create your test cases based on What is AI? only the problem specification, this is black making machines appear to be intelligent box testing. Did you see the movie? If you have to look at the code, this is Various approaches taken glass box testing. complex algorithms Which categories do these fall in: representating knowledge in a natural way Equivalence classes/boundary values □ simulating the brain Path coverage simulating mother nature (e.g., evolution) Statement coverage

LICT-CS

Neural Networks



- Can we simulate the brain by creating neuron "objects" and linking them together?
- How does the brain learn? and how does it recall information?
- Example: EasyNN

