





























How does it work?	
?-doubleArc(b,W).	active rules
find a rule whose head matches the goal and substitute variables accordingly. doubleArc(b,W):-arc(b,Y),arc(Y,W).	
substitute query by the body of the rule	
?-arc(b,Y),arc(Y,W).	
find a matching fact (arc(b,c)), substitute variables, and remove the fact from the query	
?-arc(c,W).	node(a). node(b).
$\Box$ do the same with the rest (arc(c,d))	node(c). node(d).
W=d :	node(e).
Try alternative facts (arc(b,d),arc(d,e))	<pre>arc(a,b). arc(a,c). arc(b,c).</pre>
W=e ;	arc(b,d).
no	arc(d,e).



Just like before, but more alternative rules mate	hes the query.	
<ul> <li>Just like before, but more alternative rules matches the query.</li> <li>?-edge(W,b).</li> <li>find a rule whose head matches the goal, substitute variables accordingly, and substitute query by the body of the rule</li> <li>edge(W,b):-arc(W,b).</li> </ul>		
<ul> <li>?-arc(W,b).</li> <li>find all solutions to a query using facts</li> <li>W=a ;</li> <li>try an alternative rule for the original query edge(W,b):-arc(b,W).</li> </ul>	<pre>node(a). node(b). node(c). node(d). node(e).</pre>	
<pre>?-arc(b,W).</pre>	<pre>arc(a,b). arc(a,c). arc(b,c). arc(b,d). arc(c,d). arc(d,e).</pre>	





















