

- 8 A logic circuit is to be built to control the automatic opening of a window. The window **W** opens if the temperature **T** is too high, the heater **H** is off, and the air conditioning **A** is off.

air conditioning <b>A</b>	air conditioning off	0
	air conditioning on	1
temperature <b>T</b>	<b>not</b> too high	0
	too high	1
heater <b>H</b>	heater off	0
	heater on	1
window <b>W</b>	window closed	0
	window open	1

Complete the truth table for this problem.

<b>A</b>	<b>T</b>	<b>H</b>	<b>W</b>
0	0	0	
0	0	1	
0	1	0	
0	1	1	
1	0	0	
1	0	1	
1	1	0	
1	1	1	