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State	Finished
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Time taken	4 mins 59 secs
Marks	0.25/1.00
Grade	2.50 out of 10.00 (25%)

Question 1

Partially correct
Mark 0.25 out of 1.00

Consider the design of a digital system that has 7 control signals and 3 status signals. Which of the following statements are true about the design of this system?

Select one or more:

☐

A control signal typically reflects a condition signal which is tested for branching in the control part. ✗

☒

A control signal can act as a multiplexer select signal and define routing associated with a certain state. ✓

☐

From the number of control signals one can't infer the number of states.

☐

A status signal can act as a function select for a multi-function unit and define function associated with a certain state.

Your answer is partially correct.

You have correctly selected 1.
The correct answers are:

From the number of control signals one can't infer the number of states., A control signal can act as a multiplexer select signal and define routing associated with a certain state.