



3 digit hexadecimal result

this	?	?
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0

$$(u+v+w+x+y+z)'$$

1

$$x'$$

2

$$xy+yz+xz$$

3

3-bit value selects one of 8 input wires

4

$$(x+y)'$$

5

$$uvwxyz$$

6

can be used to store 1 bit of memory

7

$$x+y$$

8

3-bit value turns on one of 8 output wires

9

$$x'y + xy'$$

B

$$u+v+w+x+y+z$$

A

$$uv'w'xy'z$$

C

$$x'y'z + x'yz' + xy'z' + xyz$$

D

$$xy$$

3 digit hexadecimal result

?

this

?

0 6-input AND

1 NOR

2 NOT

3 XOR

4 MAJ

5 Decoder

7 6-input general
boolean function

6 OR

8 Multiplexer

9 6-input OR

A AND

B ODD

C 6-input NOR

D flip-flop

3 digit hexadecimal result

?	?	this
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