



Name: Ajay Krishna
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Latex

Karnaugh Map Problem

The following Karnaugh map represents a function F .

YZ	00	01	11	10
X=0	1	1	1	0
X=1	0	0	1	0

Table 1

52. A minimized form of the function F is

- (a) $F = \overline{X}Y + YZ$
- (b) $F = XY + YZ$
- (c) $F = \overline{X}\overline{Y} + \overline{Y}Z$
- (d) $F = \overline{X}\overline{Y} + \overline{Y}Z$

(GATE EE 2010)

Answer:

$$F = \overline{X}\overline{Y} + YZ$$