GATE EE2017, 36

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February 19, 2024

The output expression of the Karnaugh map shown below is

AB \ CD	00	01	11	10
00	0	0	0	0
01	1	0	0	1
11	1	0	1	1
10	0	0	0	0

A. $B\overline{D} + BCD$

B. $B\overline{D} + AB$

C. $\overline{B}D + ABC$

D. $B\overline{D} + ABC$