

Assignment 6

Manav Garg

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1 Boolean Expression

The Boolean expression of $f = A(\overline{B})(\overline{C})(\overline{D}) + (\overline{A})B(\overline{C})(\overline{D}) + AB(\overline{C})(\overline{D}) + ABC(\overline{D})$

2 Kmap Expression

$$f = AB(\overline{D}) + B(\overline{C})(\overline{D}) + A(\overline{C})(\overline{D})$$

2.1 COMBINATIONAL CIRCUIT

