

1 Minimalizujte funkci

$$\begin{aligned}f &= \overline{D}\overline{B} + (01 + 0D)\overline{0} \\&= \overline{D} + \overline{B} + (01 + 0D)\overline{0} \\&= \overline{D} + \overline{B} + (01 + 0D)1 \\&= \overline{D} + \overline{B} + (0 + 0D)1 \\&= \overline{D} + \overline{B} + 0D1 \\&= \overline{D} + \overline{B} + 0 \\&= \overline{D} + \overline{B}\end{aligned}$$

2 Pravdivostní tabulka

| # | A | B | D | f |
|---|---|---|---|-----|
| 0 | 0 | 0 | 0 | F |
| 1 | 0 | 0 | 1 | F |
| 2 | 0 | 1 | 0 | F |
| 3 | 0 | 1 | 1 | T |
| 4 | 1 | 0 | 0 | F |
| 5 | 1 | 0 | 1 | F |
| 6 | 1 | 1 | 0 | F |
| 7 | 1 | 1 | 1 | T |

3 Mapa

| | | D | |
|---|---|---|---|
| | | 0 | 1 |
| B | 0 | 1 | 1 |
| | 1 | 1 | 0 |