

# OSNOVE DIGITALNIH VEZJI

## 3. Domača naloga

$f(x_1, x_2, x_3, x_4, x_5) =$

$\&^5(31, 30, 29, 28, 27, 24, 23, 22, 19, 18, 17, 16, 12, 11, 10, 9, 8, 7, 6, 5, 3, 2, 1, 0)$

Manjkajoči makstermi v PKNO:

26, 25, 21, 20, 15, 14, 13, 4

Mintermi v PDNO:

5, 6, 10, 11, 16, 17, 18, 27

Mankajoče minterme v vietchovem diagramu oznacimo z 1.

Veitchov diagram:

|       |   |   |   |       |   |   |   |
|-------|---|---|---|-------|---|---|---|
| $x_1$ |   |   |   | $x_1$ |   |   |   |
| $x_2$ | 0 | 0 | 0 | 0     | 0 | 0 | 0 |
|       | 1 | 0 | 0 | 1     | 0 | 0 | 1 |
|       | 0 | 0 | 0 | 0     | 1 | 0 | 1 |
|       | 1 | 0 | 1 | 0     | 1 | 0 | 0 |
| $x_3$ |   |   |   | $x_3$ |   |   |   |
| $x_5$ |   |   |   |       |   |   |   |
|       |   |   |   | $x_4$ |   |   |   |