

Skizze aramhar

~~A B C~~

| A | B | C | Y |
|---|---|---|---|
| 0 | 0 | 0 | |
| 0 | 0 | 1 | |
| 0 | 1 | 1 | |
| 1 | 1 | 1 | |

| A | B | C | Y |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |

$\rightarrow \bar{A}BC$
 $\rightarrow A\bar{B}C$
 $\rightarrow ABC$
 $\rightarrow ABC$

vagy

$$Y = \bar{A}BC + A\bar{B}C + ABC + ABC$$

$$Y = (\bar{A} + B + C) \cdot (A + \bar{B} + C) \cdot (A + B + \bar{C}) \cdot (A + B + C)$$

Egyszerűsített konjunktív norm alak

$$Y = (A + B) \cdot (B + C) \cdot (A + C) \cdot (A + B + C)$$

MAXTERM

| | | | |
|---|---|-------------|----|
| | B | 0 | 1 |
| A | 0 | AB | AB |
| 1 | 1 | A \bar{B} | AB |

| | | | |
|---|---|----|----|
| | B | 0 | 1 |
| A | 0 | 0 | 01 |
| 1 | 1 | 10 | 11 |

| | | | | | |
|---|----|----|----|----|----|
| | BC | 00 | 01 | 11 | 10 |
| A | 0 | 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | C | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| A | 0 | | | | | | | |
| B | 0 | | | | | | | |
| 0 | 0 | | | | | | | |
| 1 | 0 | | | | | | | |
| 1 | 1 | | | | | | | |
| 1 | 1 | | | | | | | |
| 0 | 0 | | | | | | | |

| | | | | | |
|---|----|----|-----|-----|-----|
| | BC | 00 | 01 | 11 | 10 |
| A | 0 | 0 | 001 | 011 | 010 |
| 1 | 1 | | | | |

$$Y = \bar{A} \bar{B} \bar{C} + \bar{A} B C$$

| | BC | | | |
|---|----|----|----|----|
| A | 00 | 01 | 11 | 10 |
| 0 | 0 | 0 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 |

$$\begin{array}{r} ABC \\ 011 \\ 010 \\ \hline \bar{A} B \end{array}$$

| | BC | | | |
|---|----|----|----|----|
| A | 00 | 01 | 11 | 10 |
| 0 | 1 | 1 | | 1 |
| 1 | 1 | 1 | | 1 |

$$A\bar{B} = 100101$$

| | 6 | | 4 | |
|---|----|----|----|----|
| | 11 | 10 | 00 | 01 |
| 1 | 1 | 1 | 1 | 1 |
| 0 | | | 1 | |

$$(A + \bar{C}) = 110100$$

$$Y = A \cdot \bar{B} + \bar{C}$$

$$Y = 100101 + 010110$$