

Szabályozás aranthat

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

~~A B C~~

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

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

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

Egyenlített környezetben nem elérhető

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

MAXTERM

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

| A ₀ | B ₀ | 1 |
|----------------|----------------|---|
| 0 | 0 | 1 |
| 1 | 1011 | 1 |

| A ₀ | B ₀ | C ₀ | 0 | 1 | 11 | 10 |
|----------------|----------------|----------------|----|----|----|----|
| 0 | 0 | 0 | 0 | 1 | 3 | 2 |
| 0 | 0 | 1 | 4 | 5 | 7 | 6 |
| 0 | 1 | 0 | 12 | 13 | 14 | 11 |
| 0 | 1 | 1 | 8 | 9 | 11 | 10 |

| A ₀ | B ₀ | 00 | 01 | 11 | 10 |
|----------------|----------------|----|----|----|----|
| 0 | 0 | 0 | 1 | 2 | 3 |
| 1 | 0 | 4 | 5 | 6 | 7 |

| A ₀ | B ₀ | 00 | 01 | 11 | 10 |
|----------------|----------------|----|----|-----|-----|
| 0 | 0 | 0 | 01 | 011 | 010 |
| 1 | 0 | | | | |

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

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

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

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

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

| | 00 | 01 | 00 | 01 | |
|---|----|----|----|----|---|
| 0 | 1 | 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 |

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

$$(\bar{B}+\bar{C}) = 100000$$

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

$$Y = 100101 + 010110$$