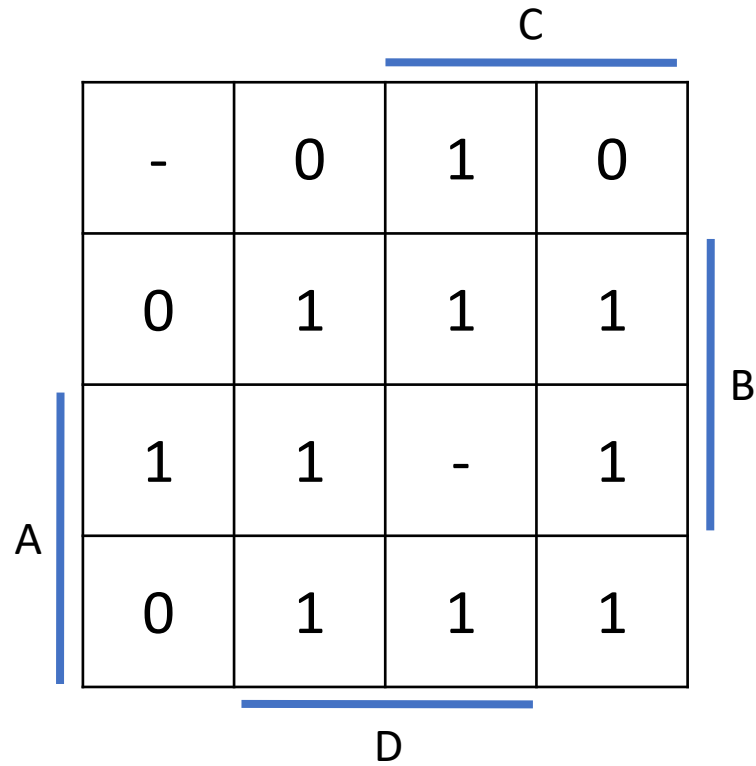


HWA ellenőrző feladatok megoldásai

2. feladat

2a

A	B	C	D	F
0	0	0	0	-
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	-



2b

A	B	C	D	F
0	0	0	0	-
0	0	0	1	-
0	0	1	0	-
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	0
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	1

$$\text{Mintermindexek: } \sum^4 [(3,5,6,9,10,12,15)(0,1,2)]$$

$$\text{Maxtermindexek: } \prod^4 [(1,2,4,7,8,11)(13,14,15)]$$

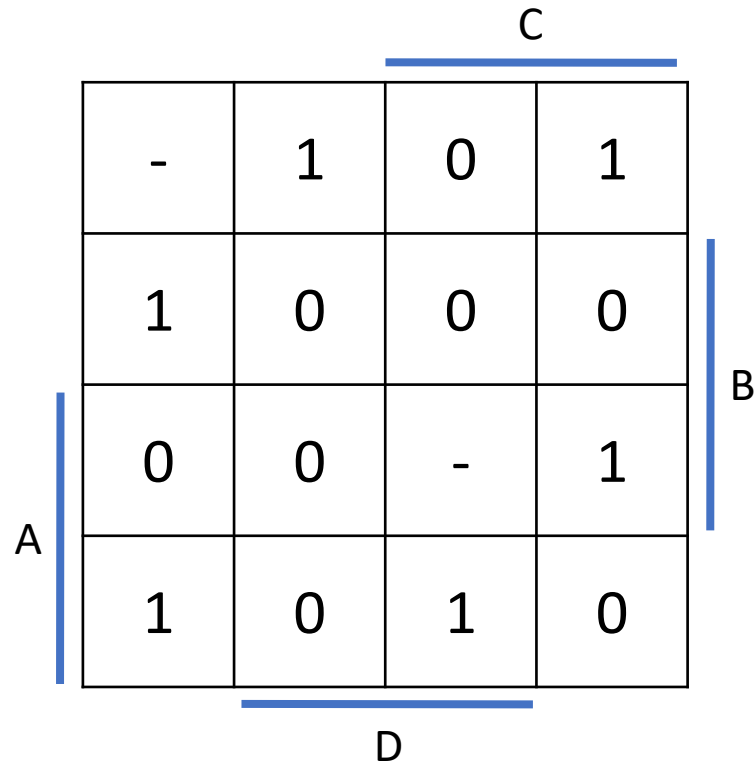
2c

A	B	C	D	F
0	0	0	0	-
0	0	0	1	0
0	0	1	0	1
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	-

-	0	0	1
0	0	1	0
0	1	-	1
1	0	1	0

2d

A	B	C	D	F
0	0	0	0	-
0	0	0	1	1
0	0	1	0	1
0	0	1	1	0
0	1	0	0	1
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	0
1	1	0	1	0
1	1	1	0	1
1	1	1	1	-



2e

A	B	C	D	F
0	0	0	0	-
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	-

Mintermindexek: $\sum^4 [(7,11,13,14)(0,15)]$

Maxtermindexek: $\prod^4 [(3,5,6,7,9,10,11,12,13,14)(0,15)]$

2f

A	B	C	D	F
0	0	0	0	-
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	0
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

2g

A	B	C	D	Z1	Z2
0	0	0	0	0	0
0	0	0	1	0	1
0	0	1	0	0	1
0	0	1	1	0	1
0	1	0	0	1	0
0	1	0	1	1	0
0	1	1	0	1	0
0	1	1	1	1	0
1	0	0	0	1	0
1	0	0	1	1	1
1	0	1	0	1	1
1	0	1	1	1	1
1	1	0	0	1	1
1	1	0	1	1	1
1	1	1	0	1	1
1	1	1	1	1	1

2h

A	B	C	D	CD	A+B	F
0	0	0	0	0	0	1
0	0	0	1	0	0	1
0	0	1	0	0	0	1
0	0	1	1	1	0	0
0	1	0	0	0	1	0
0	1	0	1	0	1	0
0	1	1	0	0	1	0
0	1	1	1	1	1	1
1	0	0	0	0	1	0
1	0	0	1	0	1	0
1	0	1	0	0	1	-
1	0	1	1	1	1	-
1	1	0	0	0	1	-
1	1	0	1	0	1	-
1	1	1	0	0	1	-
1	1	1	1	1	1	-