Zadanie 2

niedziela, 20 kwietnia 2025 23:31

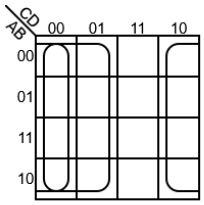
Kmapy dla funkcji przekształcających bity Q0-Q3 wyjść funkcji T0-T3, gdzie

Q0 - 2^0 Q1 - 2^1 Q2 - 2^2 Q3 - 2^3

W tabeli: Q0 = D Q1 = C Q2 = B Q3 = A

T0:

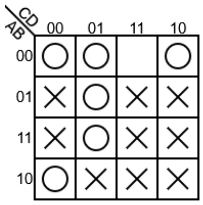
KMap



Boolean Algebra

$\overline{D}+\overline{C}$

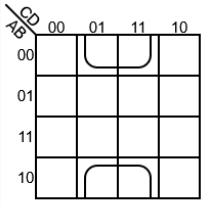
How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

T1:

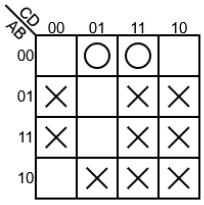
KMap



Boolean Algebra

$\overline{B}D$

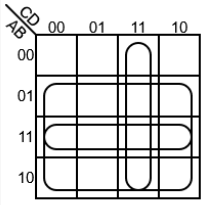
How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

T2:

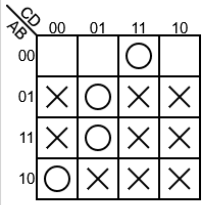
KMap



Boolean Algebra

$B+A+CD$

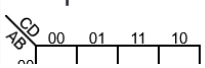
How many variables are in the K-Map? 4



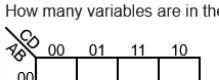
X are Don't Care tiles.
O are normal tiles. AKA 1

T3:

KMap

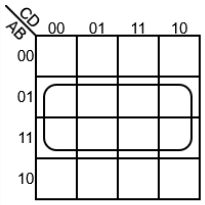


How many variables are in the K-Map? 4



13:

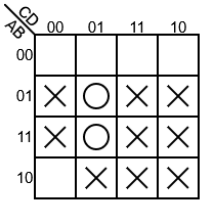
KMap



Boolean Algebra

B

How many variables are in the K-Map? 4



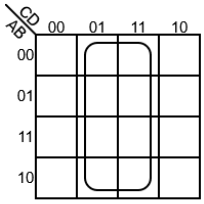
X are Don't Care tiles.
O are normal tiles. AKA 1

Przekształcenia dla dekodera

Jednostki:

Q0:

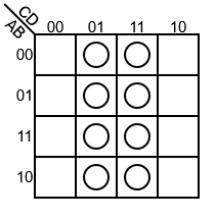
KMap



Boolean Algebra

D

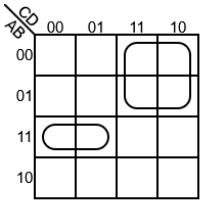
How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

Q1:

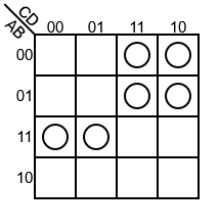
KMap



Boolean Algebra

$\overline{A}C+AB\overline{C}$

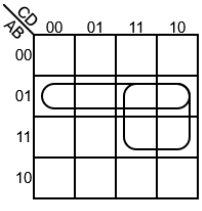
How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

Q2

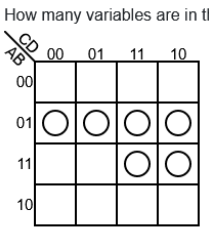
KMap



Boolean Algebra

$\overline{A}B+BC$

How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

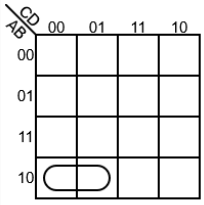
Q3:

KMap

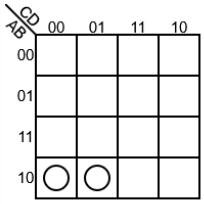
How many variables are in the K-Map? 4

Q 3:

KMap



How many variables are in the K-Map? 4



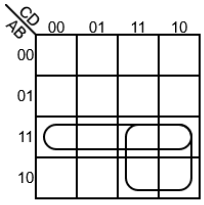
X are Don't Care tiles.
O are normal tiles. AKA 1

Boolean Algebra

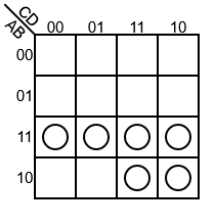
$A\overline{B}\overline{C}$

Dziękuję tyle QO:

KMap



How many variables are in the K-Map? 4



X are Don't Care tiles.
O are normal tiles. AKA 1

Boolean Algebra

$AB+AC$