

EXERCICE
Les tableaux de Karnaugh

Question :

D'après les tableaux de KARNAUGH ci-dessous, faire les regroupements et rechercher les équations logiques :

A

		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	0	0	0	0
	11	0	0	0	0
	10	1	1	1	1

A =

B

		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	1	0	0	1
	11	1	0	0	1
	10	1	1	1	1

B =

C

		ba			
		00	01	11	10
dc	00	1	0	0	1
	01	0	0	0	0
	11	0	0	0	0
	10	1	0	0	1

C =

D

		ba			
		00	01	11	10
dc	00	0	0	0	0
	01	0	1	1	0
	11	0	1	1	0
	10	0	0	0	0

D =

E

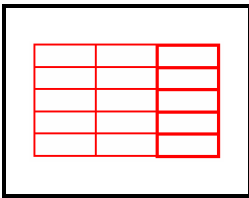
		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	1	1	1	1
	11	1	1	1	1
	10	1	1	1	1

E =

F

		ba			
		00	01	11	10
dc	00	0	0	0	0
	01	0	0	0	0
	11	0	0	0	0
	10	0	0	0	0

F =



EXERCICE
Les tableaux de Karnaugh

G

		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	0	0	0	0
	11	1	1	1	1
	10	1	1	1	1

G =

H

		ba			
		00	01	11	10
dc	00	1	1	1	0
	01	1	1	0	1
	11	1	1	0	1
	10	1	1	1	0

H =

I

		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	0	0	0	0
	11	0	0	1	1
	10	0	0	1	1

I =

J

		ba			
		00	01	11	10
dc	00	1	1	1	1
	01	1	1	0	1
	11	1	1	1	1
	10	1	1	1	1

J =

K

		ba			
		00	01	11	10
dc	00	1	1	0	0
	01	1	1	0	0
	11	0	0	1	1
	10	0	0	1	1

I =

L

		ba			
		00	01	11	10
dc	00	0	1	1	0
	01	1	1	1	1
	11	1	1	1	1
	10	0	1	1	0

J =