



Exercices d' AII

CORRIGÉ

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

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

$$A = /c$$

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

$$B = /a + /c$$

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

$$C = /a . /c$$

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

$$D = ac$$

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

$$E = 1$$

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

$$F = 0$$



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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

$$G = /c + d$$

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

$$H = /b + a./c + /a.c$$

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

$$I = /c + /d + bd$$

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

$$J = /a + /b + /c + d$$

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

$$K = /b./d + bd$$

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

$$L = a + c$$