Ejercicios: Encontrar la función en su mínima expresión a partir de la siguiente tabla de verdad mediante mapas de Karnaugh.

1)

A/BC	00	01	11	10
0	0	\bigcirc	l	
1	ļ	l	\bigcirc	Ø

Α	В	С	f
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	1

$$f = AC + AB + BC$$

A/BC	00	01	11	10
0	0	0		0
1		\bigcirc	١	

Α	В	С	f
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	0
			1

A/BC	00	01	11	10
0		0		\bigcirc
1		0	Ø	J

Α	В	С	f	
0	0	0	1	
0	0	1	1	
0	1	0	1	
0	1	1	0	
1	0	0	1	
1	0	1	1	£ =
1	1	0	1	J =
1	1	1	0	

A/BC	00	01	11	10
0	l	1	Ø	1
1	1	1	0	1

Α	В	С	D	f
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	1 0 1
0	1	0	1	
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 0	0 0 1 0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	1

AB/CD	00	01	11	10
00	\bigcirc			\bigcirc
01	0		1	0
11	0	Ø	1	0
10		\bigcirc		Ø

$$f = \bar{\theta}D + CD + \bar{\theta}\bar{b}\bar{c}\bar{D}$$

A	В	С	D	f
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	1
0	1	0	1 0	1
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
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	0
1	1	1	1	1

AB/CD	00	01	11	10
00	0	Į		Ø
01		1	\bigcirc	
11		l	l	\emptyset
10	1	l	0	

AB/CD	00	01	11	10
00	Ø	1	1	Ø
01	\overline{I}	1	0	L
11	1	l	1	Ø
10	ij	ı	0	IJ

Α	В	С	D	f
0	0	0	0	1
0	0	0	1	0
0	0	1	0	*
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	0
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 0
1	1	0	1	0
1	1	1	0	*
1	1	1	1	0

AB/CD	00	01	11	10
00	\Box	0	L	
01	1	1	Ø	1
11	0	0	0	1
10	Ø	0	- C	

^{*} Don't care