

Arreglos del Multiplexor

Soluciones al Trabajo de Grupo

Sr. H. Leijon, UIT



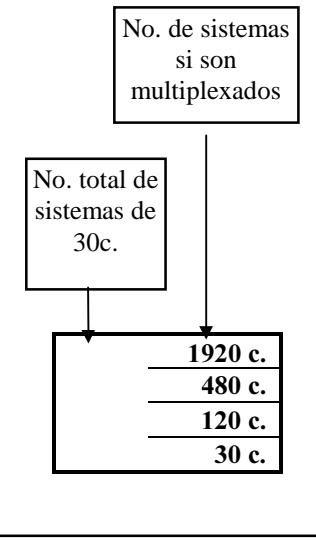
**UNION INTERNATIONALE DES TELECOMMUNICATIONS
INTERNATIONAL TELECOMMUNICATION UNION
UNION INTERNACIONAL DE TELECOMUNICACIONES**



C	D	E	Σ_1	Σ_2
6	3	7	16	16
<u>1</u>	<u>3</u>	<u>1</u>	<u>2</u>	<u>1</u>
<u>2</u>		<u>3</u>	<u>8</u>	
	16	4	26	26
	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
			<u>2 1</u>	<u>2 1</u>
			<u>2</u>	<u>2</u>
		4	23	23
		<u>1</u>	<u>1</u>	<u>1</u>
			<u>3</u>	<u>3</u>
			15	15
			<u>3 2 1</u>	<u>3 2 1</u>
			<u>3</u>	<u>3</u>
			80	80
			<u>2</u>	<u>3</u>
			<u>8</u>	<u>6</u>
			<u>16</u>	<u>8</u>

Σ_1 = Número total de sistemas terminados en los nodos si el nodo A no está equipado con multiplexores.

Σ_2 = Número total de sistemas terminados en los nodos si el nodo A está equipado con multiplexores.



Caso a)

Hoja de Trabajo I

Caso a)

MULTIPLEXORES						“Contabilidad”
1920	480	480	120	120	30	

M4	M301	M201																												
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SISTEMAS QUE PASAN

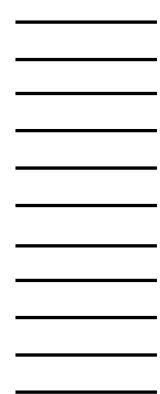
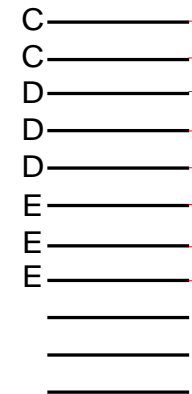
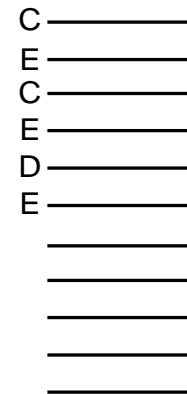
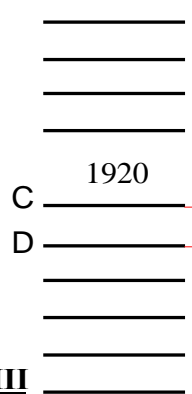
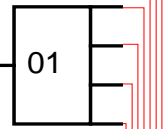
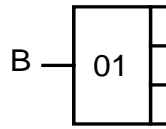
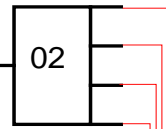
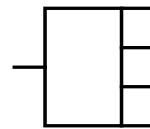
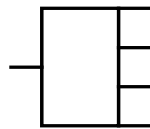
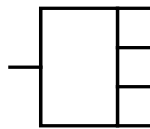
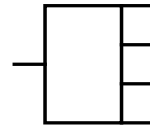
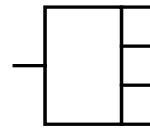
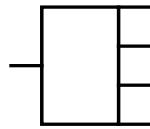
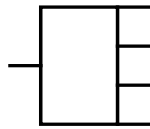
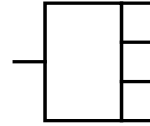
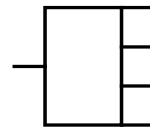
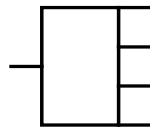
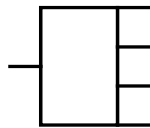
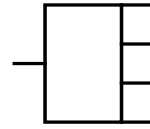
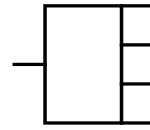
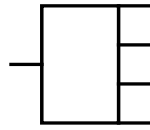
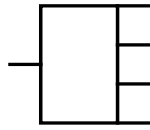
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M4
1920 / 480

M3
480 / 120

M2
120 / 30

Caso a)



Hoja de Trabajo III

480

120

30

30

C	D	E	Σ_1	Σ_2																																								
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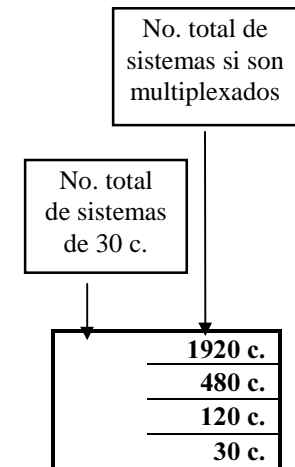
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Σ_2 = Número total de sistemas terminados en los nodos si el nodo A **está** equipado con multiplexores.



Caso b)

Hoja de Trabajo I

Caso b)

MULTIPLEXORES						“Contabilidad”
1920	480	480	120	120	30	

M4	M301	M201	
	B	M301 (B)	
	M302	M202	
	M303	M202	
	D	M203	
	M201	M203	30
			B/E
			/
			/
			/

M4	M302	M202	
	C	M302 (C)	
	M301	M201	
	M303	M201	
	M303	D	
	M202	M203	/
			/
			/
			/

M4	M303	M203	
	E	M303 (E)	
	M301	M201	
	M302	M201	
	M302	M202	
	M203	B	120
			/
			/
			/

M4	M3	M2	
			/
			/

M4	M3	M2	
			/
			/
			/

M4	M3	M2	
			/
			/

SISTEMAS QUE PASAN			
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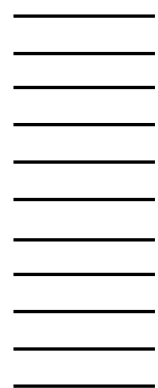
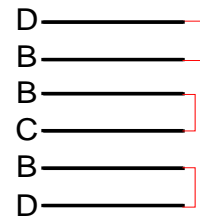
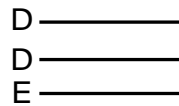
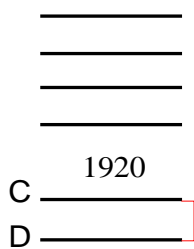
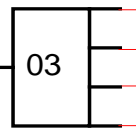
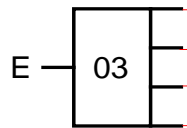
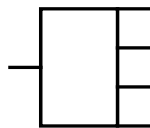
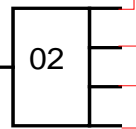
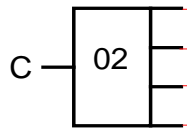
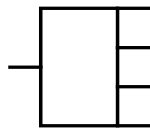
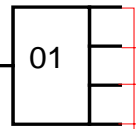
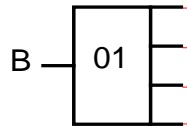
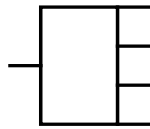
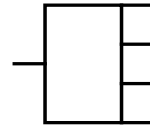
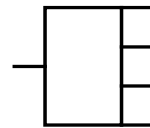
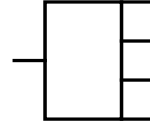
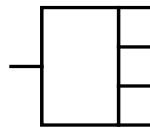
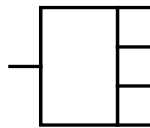
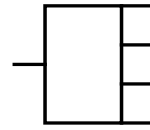
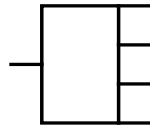
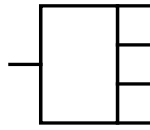
1920	480	120	30
/	C/D	D/E	B/C
/	/	/	B/D
/	/	/	/
/	/	/	/
/	/	/	/

Caso b)

M4
1920 / 480

M3
480 / 120

M2
120 / 30



Hoja de Trabajo III

480

120

30

30

Caso c)

MULTIPLEXORES						“Contabilidad”
1920	480	480	120	120	30	
M401		M301		M201		
B	M402 M403 M403 M301	M401 (B)	M302 M302 M303 M303	M304 (C)	B B D E	
M402		M302		M2		
D	M401 M403 C M302	M402 (D)	M301 M301 M303 M303	_____ _____ _____		
M403		M303		M2		
E	M401 M401 M402 M303	M403 (E)	M301 M301 M302 M302	_____ _____ _____		
M4		M304		M2		
_____ _____ _____		C	M305 M305 M305 M201	_____ _____ _____		
M4		M305		M2		
_____ _____ _____		E	M304 M304 M304 D	_____ _____ _____		
M4		M3		M2		
_____ _____ _____		_____ _____ _____		_____ _____ _____		

SISTEMAS QUE PASAN			
1920	480	120	30
B/C	C/D	B/C	B/D
/	/	C/D	/
/	/	/	/
/	/	/	/
/	/	/	/

