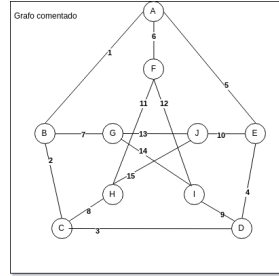
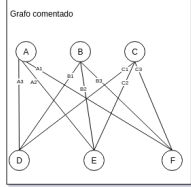


1.)



Matriz de Adjacência (a)							
	A	B	C	D	E	F	
A	0	1	2	3	4	5	
B	1	0	6	7	8	9	
C	2	6	0	9	10	11	
D	3	7	9	0	11	12	
E	4	8	10	11	0	13	
F	5	9	11	12	13	0	

Matriz de Adjacência (B)											
	A	B	C	D	E	F	G	H	I	J	
A	0	1	0	0	1	0	0	0	0	0	
B	1	0	1	0	0	0	1	0	0	0	
C	0	1	0	1	0	0	0	1	0	0	
D	0	0	1	0	1	0	0	0	1	0	
E	1	0	0	1	0	0	0	0	0	1	
F	0	0	0	0	0	0	0	1	1	0	
G	0	1	0	0	0	0	0	0	1	1	
H	0	0	1	0	0	1	0	0	0	1	
I	0	0	0	1	0	1	1	0	0	0	
J	0	0	0	0	1	0	1	1	0	0	

Matriz de Incidência (a)									
	A1	A2	A3	B1	B2	B3	C1	C2	C3
A	1	1	1	0	0	0	0	0	0
B	0	0	0	1	1	1	0	0	0
C	0	0	0	0	0	0	1	1	1
D	0	0	1	1	0	0	1	0	0
E	0	1	0	0	1	0	0	1	0
F	1	0	0	0	0	1	0	0	1

Matriz de Incidência (b)															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
B	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
C	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0
D	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0
E	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0
F	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
G	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
H	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
I	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
J	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1

Lista de Adjacência (a)	
A	D, E, F
B	D, E, F
C	D, E, F
D	A, B, C
E	A, B, C
F	A, B, C

Lista de Adjacência (B)	
A	B, E, F
B	A, C, G
C	B, D, H
D	C, E, I
E	A, D, J
F	A, H, I
G	B, I, J
H	C, F, J
I	D, F, G
J	E, G, H

Busca por Largura (a)	
Evento	Fila
E(a)	a
D(a)	
E(d)	d
E(e)	d>e
E(f)	d>e>f
D(d)	e>f
E(a)	e>f>a
E(b)	e>f>a>b
E(c)	e>f>a>b>c
D(e)	f>a>b>c
D(f)	a>b>c
D(a)	b>c
D(b)	c
D(c)	

Busca por Largura (a)	
Evento	Fila
E(a)	a
D(a)	
E(b)	b
E(e)	b>e
E(f)	b>e>f
D(b)	e>f
E(a)	e>f>a
E(c)	e>f>a>c
E(g)	e>f>a>c>g
D(e)	f>a>c>g
E(d)	f>a>c>g>d
E(j)	f>a>c>g>d>j
D(f)	a>c>g>d>j
E(h)	a>c>g>d>j>h
E(i)	a>c>g>d>j>h>i
D(a)	c>g>d>j>h>i
D(c)	g>d>j>h>i
D(g)	d>j>h>i
D(d)	j>h>i
D(j)	i>h>i
D(h)	i
D(i)	

Busca por Profundidade (a)	
a>d	
a>d>b	
a>d>b>e	
a>d>b>e>c	
a>d>b>e>c>f	

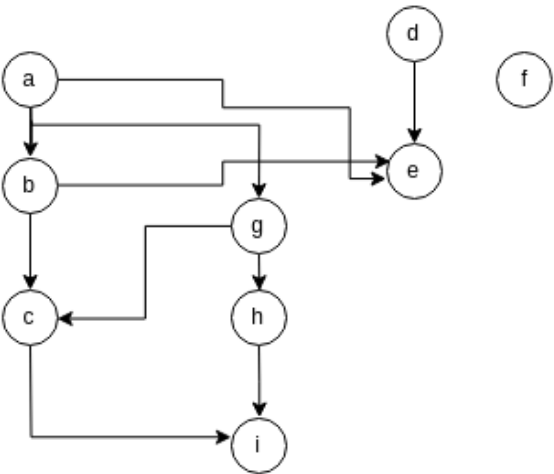
Árvores geradoras mínima(a)	
a>d>b>e>c>f	

Busca por Profundidade (b)	
a	
a>b>c	
a>b>c>d	
a>b>c>d>e	
a>b>c>d>e>j	
a>b>c>d>e>j>g	
a>b>c>d>e>j>g>i	
a>b>c>d>e>j>g>i>f	
a>b>c>d>e>j>g>i>f>h	

Árvores geradoras mínima(b)	
a>b>c>d>e>j>g>i>f>h	

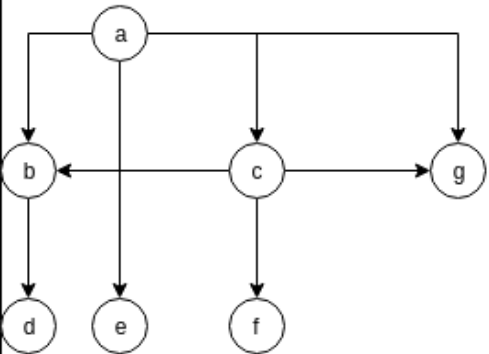
2.)

Grafo ("a")



Evento	Fila
R(f)	f
R(e)	f, e
R(d)	f, e, d
R(i)	f, e, d, i
R(h)	f, e, d, i, h
R(C)	f, e, d, i, h, c
R(G)	f, e, d, i, h, c, g
R(B)	f, e, d, i, h, c, g, b
R(a)	f, e, d, i, h, c, g, b, a

Grafo ("b")



Evento	Fila
R(g)	g
R(f)	g, f
R(e)	g, f, e
R(d)	g, f, e, d
R(b)	g, f, e, d, b
R(c)	g, f, e, d, b, c
R(a)	g, f, e, d, b, c, a

3.)

	A	B	C	D	E	F	G	H
A	NULL	3	5	2	NULL	NULL	NULL	10
B	3	NULL	5	6	4	NULL	6	6
C	5	5	NULL	NULL	1	7	9	1
D	2	6	NULL	NULL	12	NULL	NULL	14
E	NULL	4	1	12	NULL	NULL	15	NULL
F	NULL	NULL	7	NULL	NULL	NULL	NULL	9
G	NULL	6	9	NULL	15	NULL	NULL	3
H	10	6	NULL	14	NULL	9	3	NULL

AGM	
Evento	Fila
R(H)	F,
R(F)	F, H,
R(C)	C, F, H,
R(G)	G, C, F, H,
R(D)	D, G, C, F, H,
R(E)	E, D, G, C, F, H,
R(A)	A, D, G, C, F, H,
R(B)	B, D, G, C, F, H,

BFS	
Evento	Fila
E(A)	A,

BFS	
Evento	Fila
E(A)	A,



4.)

Matriz de Adyacencia (a)											
	A	B	C	D	E	F	G	H	I		
A	0	0	0	1	1	0	1	1	0		
B	1	1	0	0	0	1	0	1	1		
C	0	0	0	1	1	0	1	0	0		
D	1	0	1	0	1	0	1	0	0		
E	1	0	1	1	0	0	0	0	0		
F	0	1	0	0	0	0	1	0	0		
G	1	0	1	1	0	1	0	0	0		
H	1	1	0	0	0	0	0	0	1		
I	0	1	0	0	1	1	0	1	0		
Dijkstra (a)											
	A	B	C	D	E	F	G	H	I		
A		5		10				10			
B						5					
C			5								
D					5	10					
E	5		10						10		
F							15				
G			5								
H		5							20		
I		5									
Matriz de Adyacencia (b)						Dijkstra (a)					
	E	F	G	H	I		E	F	G	H	I
E	0	1	1	1	0		E				
F	1	0	0	1	1		F	5		1	3
G	1	0	0	1	1		G	1			1
H	1	1	1	0	1		H	4	3		2
I	0	1	1	1	0		I				