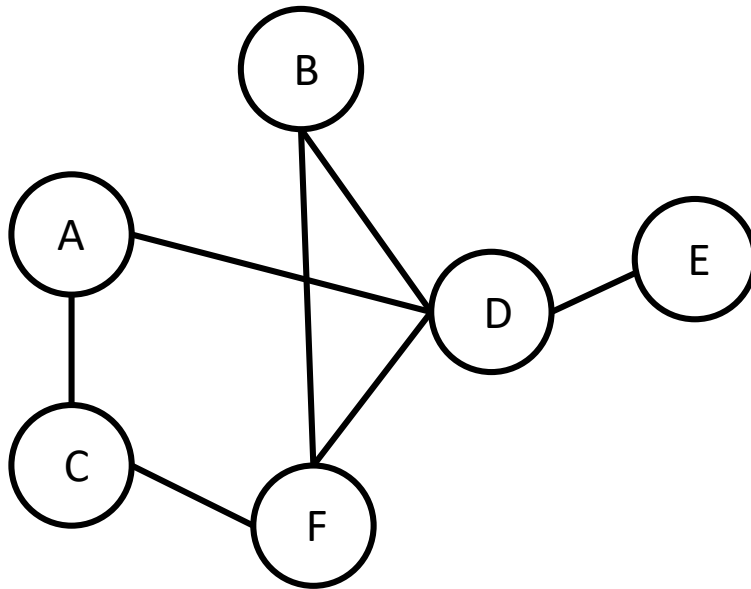


Sustentación Proyecto Final FADA

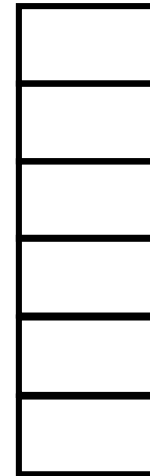
Daniel Barrera Devia



Solución Ingenua



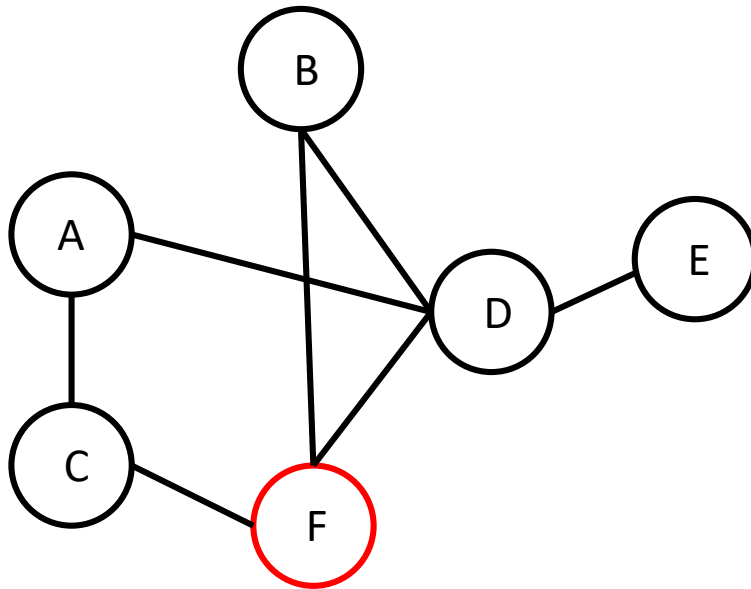
Pila



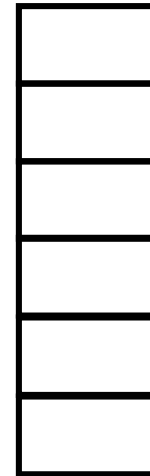
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



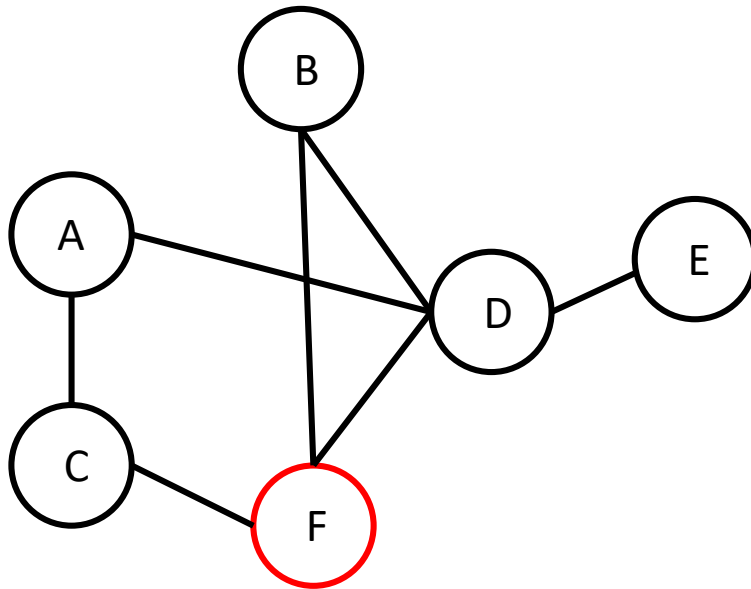
Pila



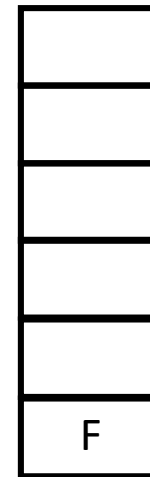
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



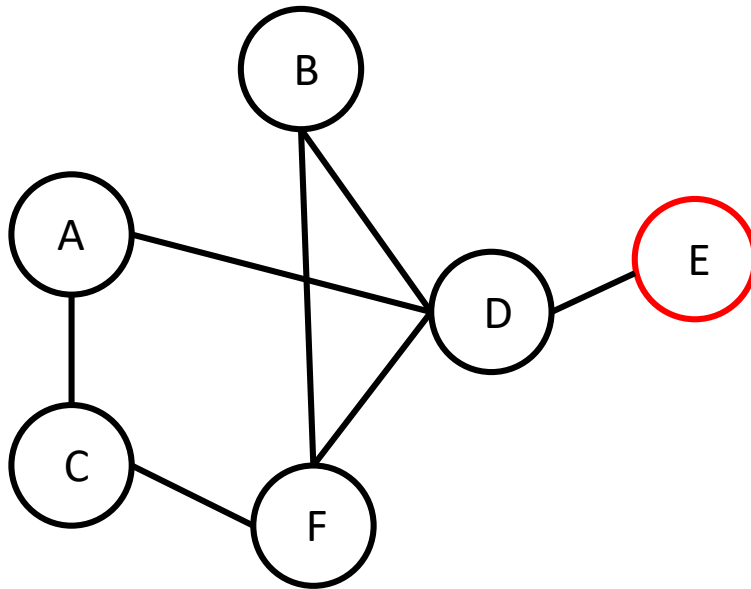
Pila



Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



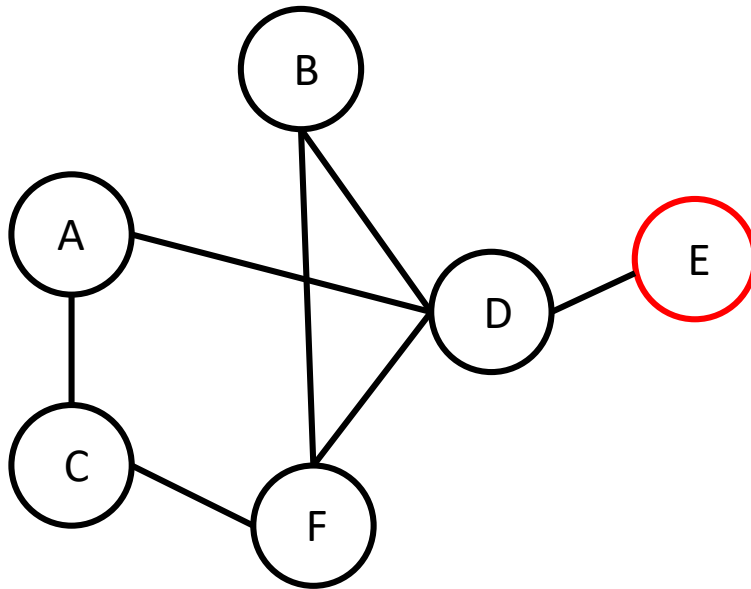
Pila



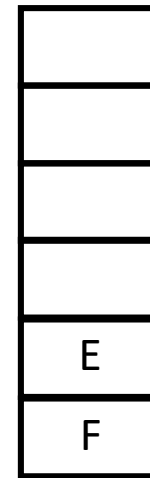
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



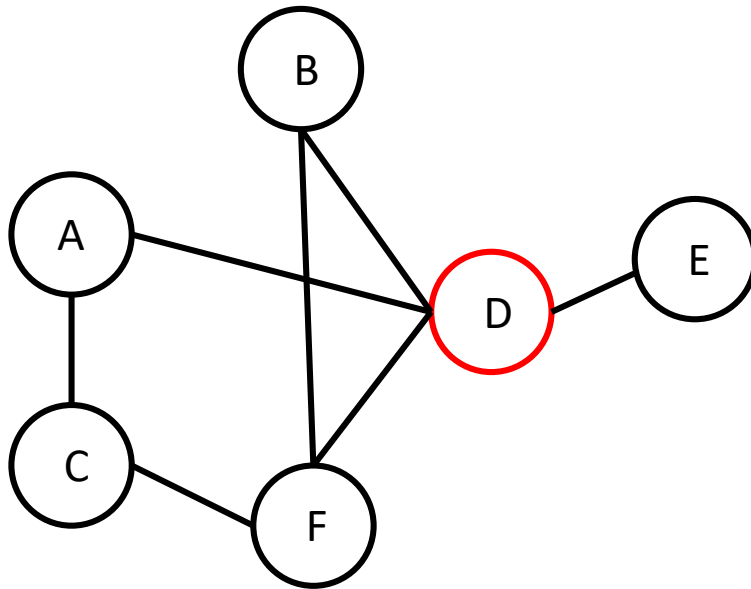
Pila



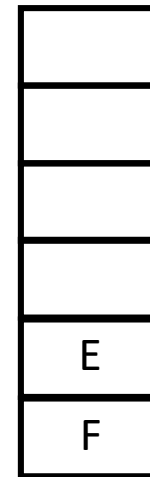
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



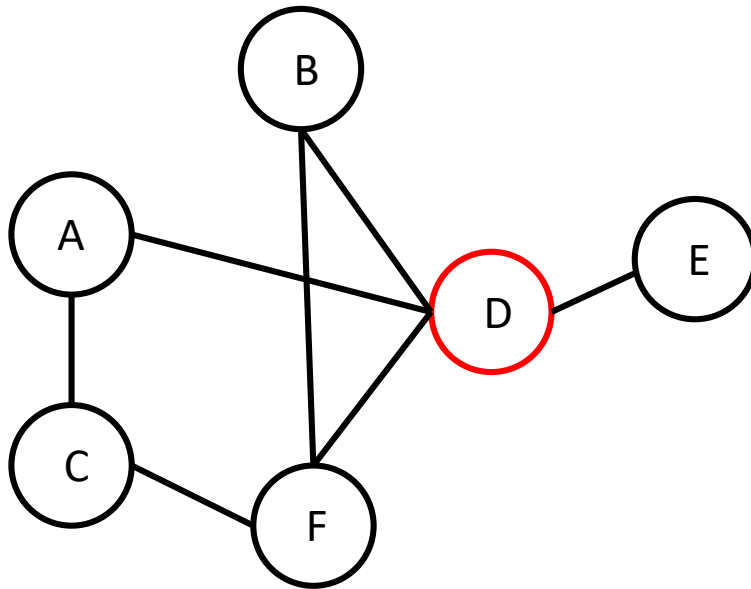
Pila



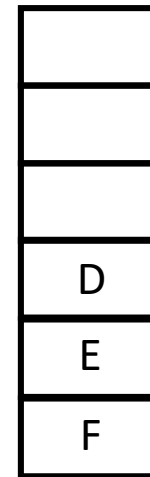
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



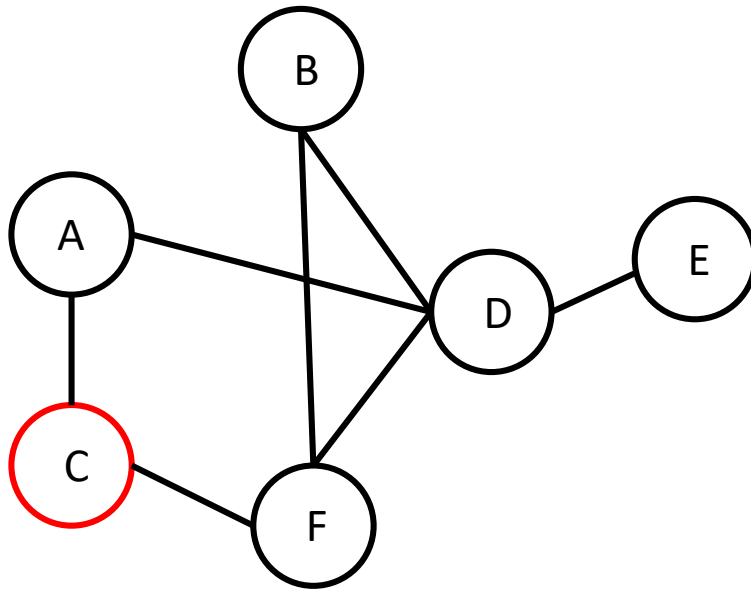
Pila



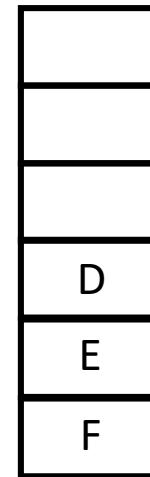
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



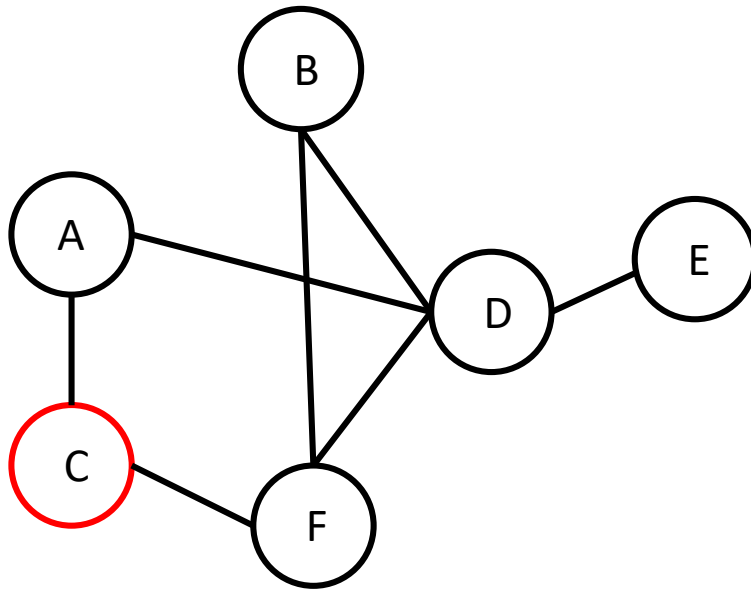
Pila



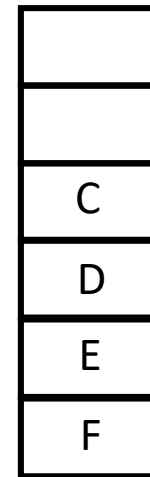
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



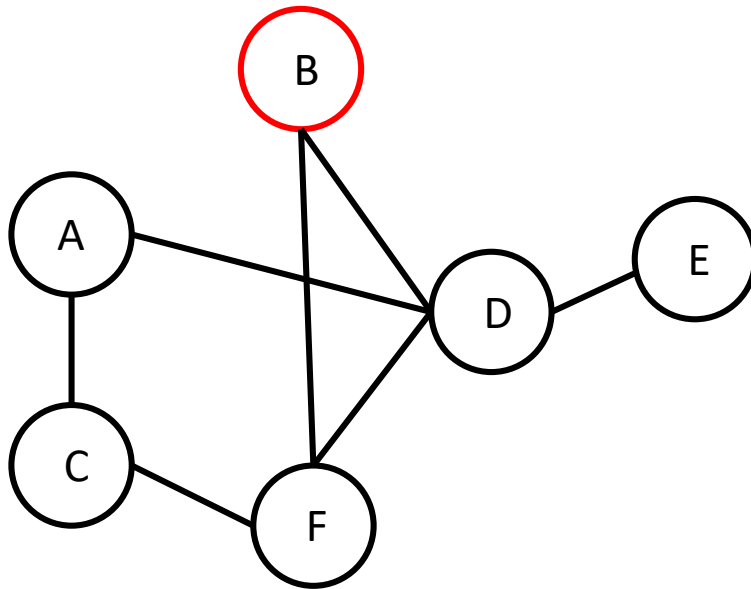
Pila



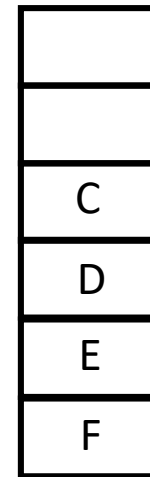
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



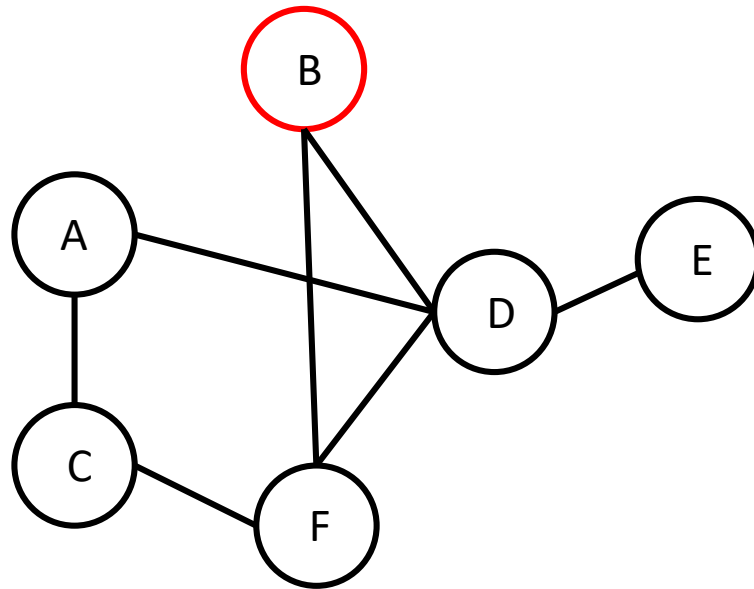
Pila



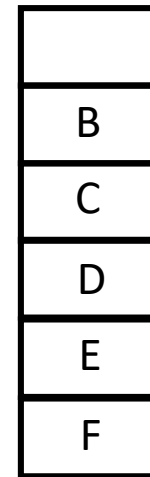
Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



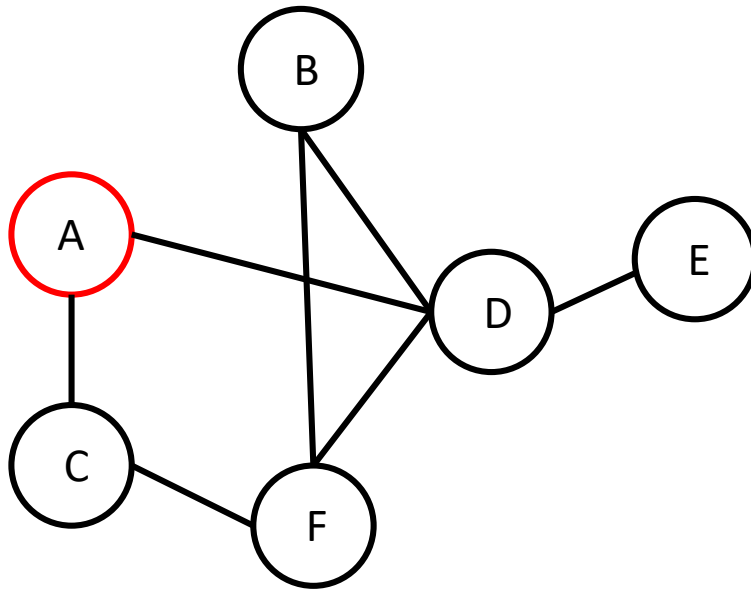
Pila



Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



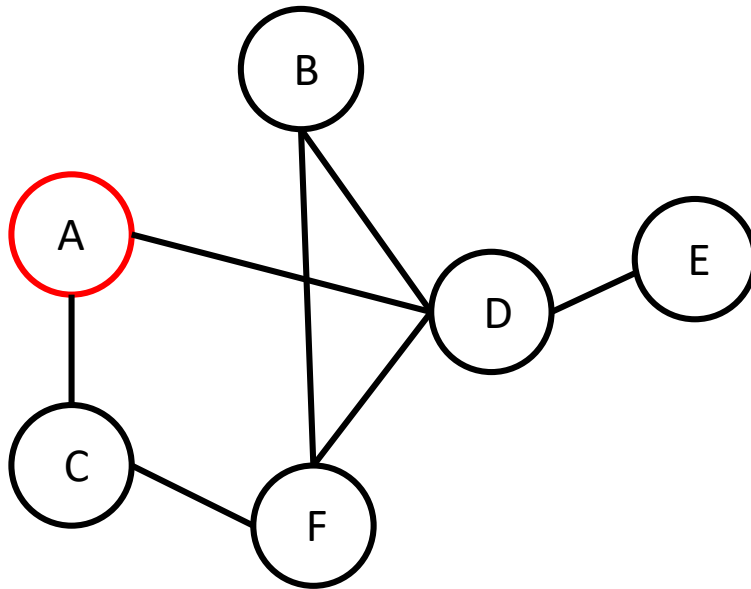
Pila

B
C
D
E
F

Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



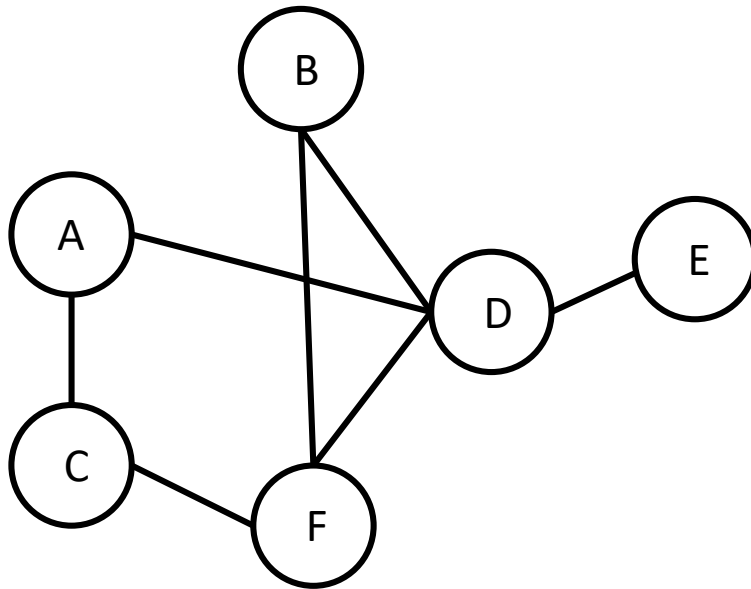
Pila

A
B
C
D
E
F

Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



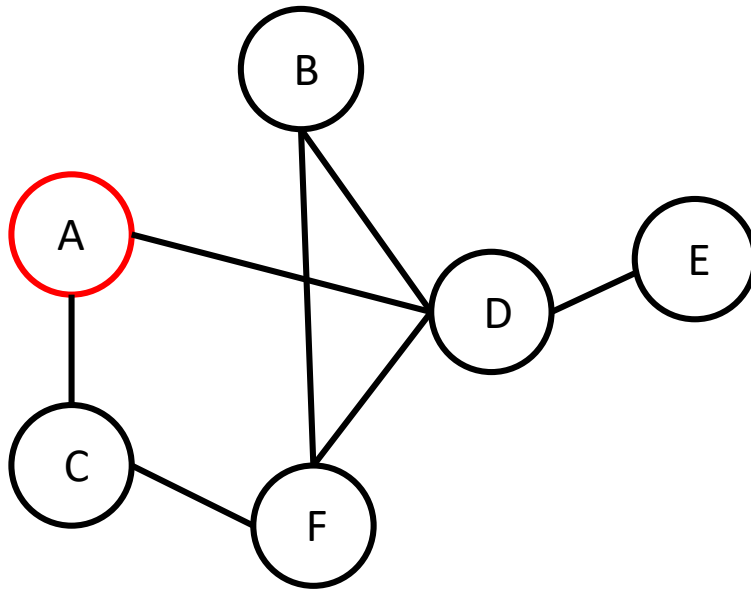
Pila

A
B
C
D
E
F

Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



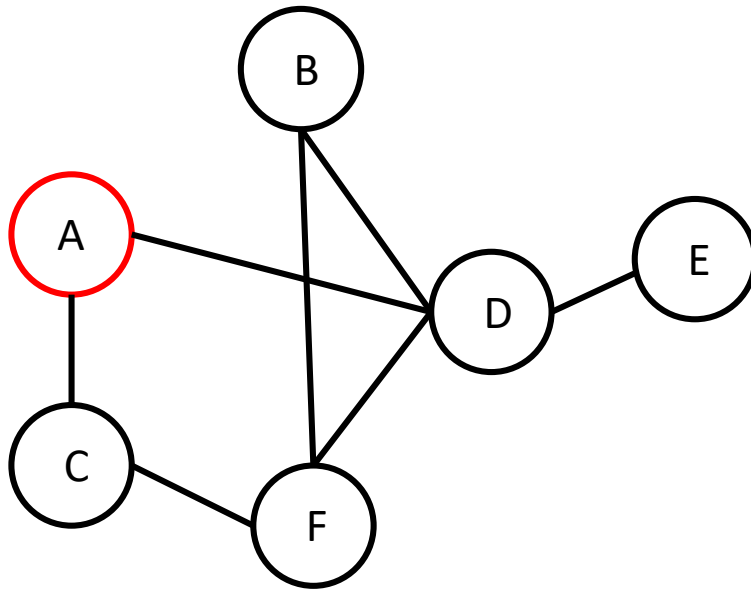
Pila

A
B
C
D
E
F

Matriz Auxiliar

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



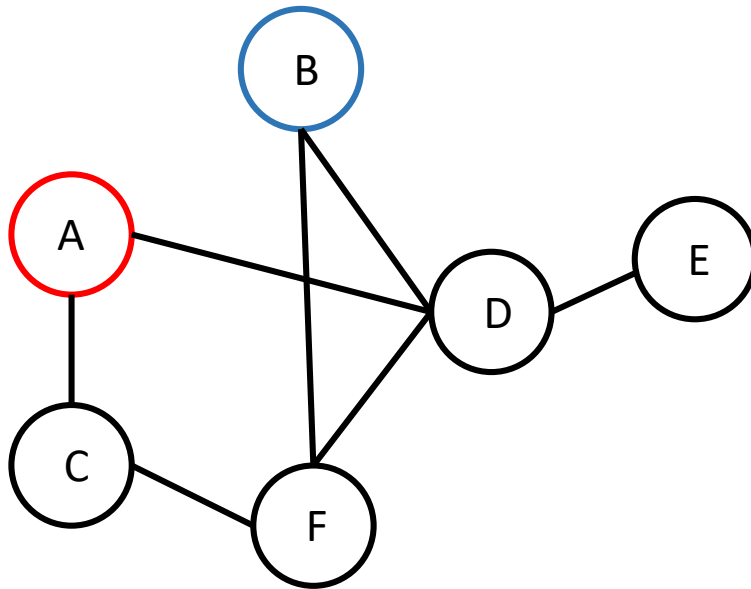
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



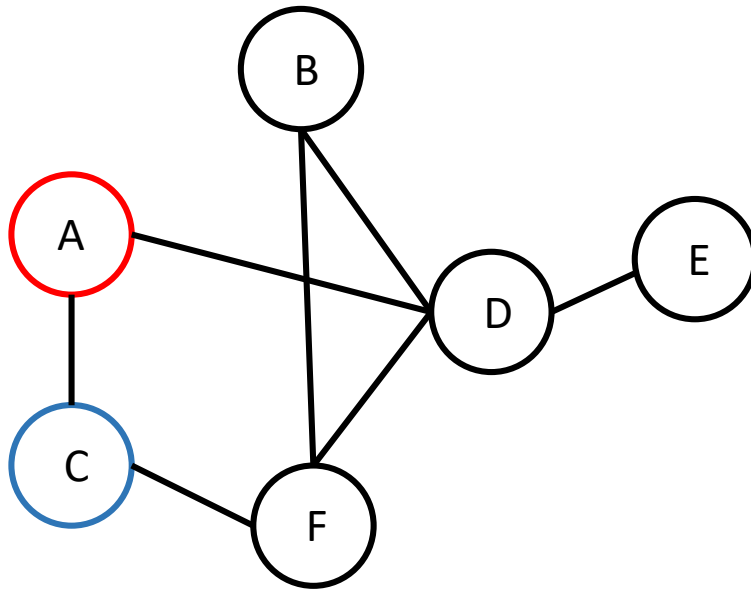
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



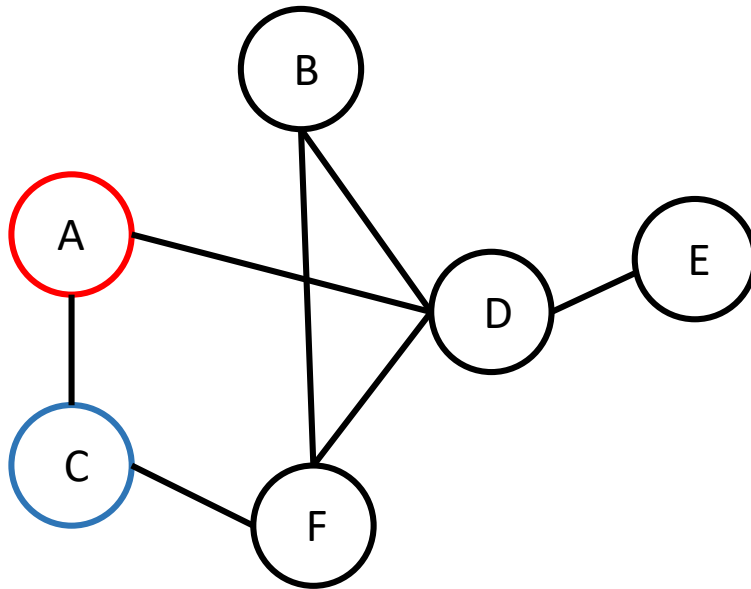
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



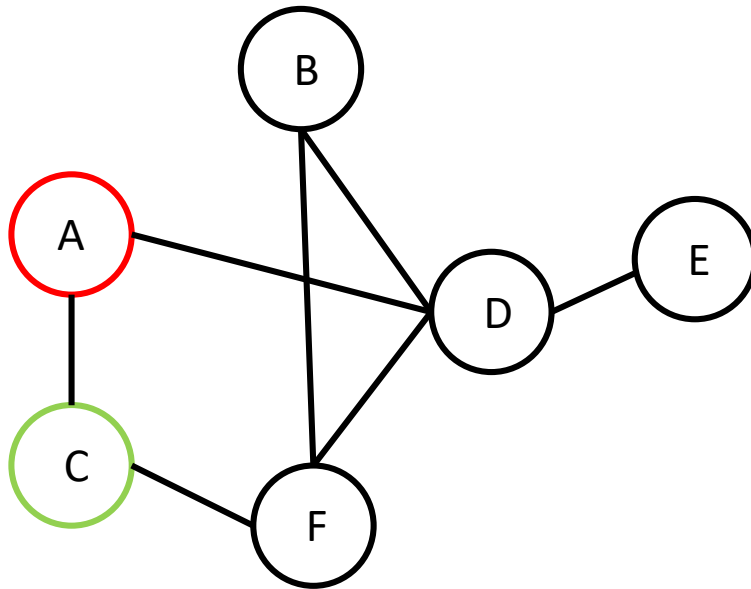
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



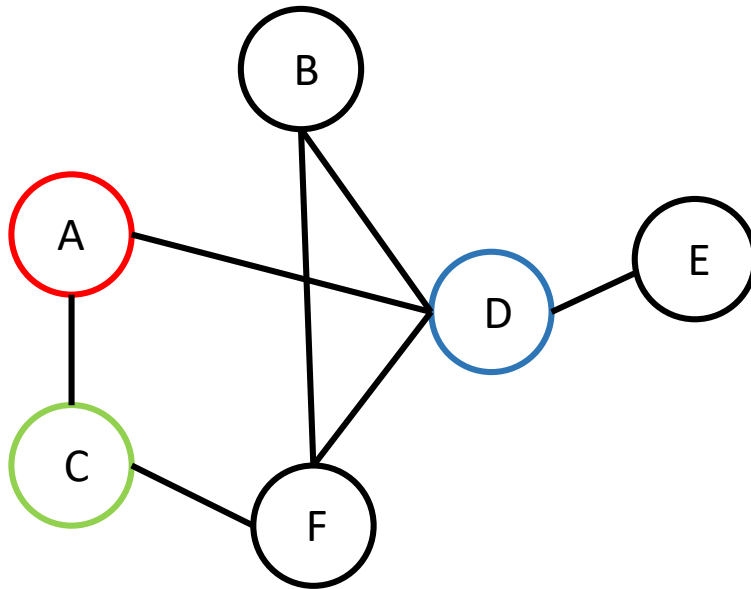
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



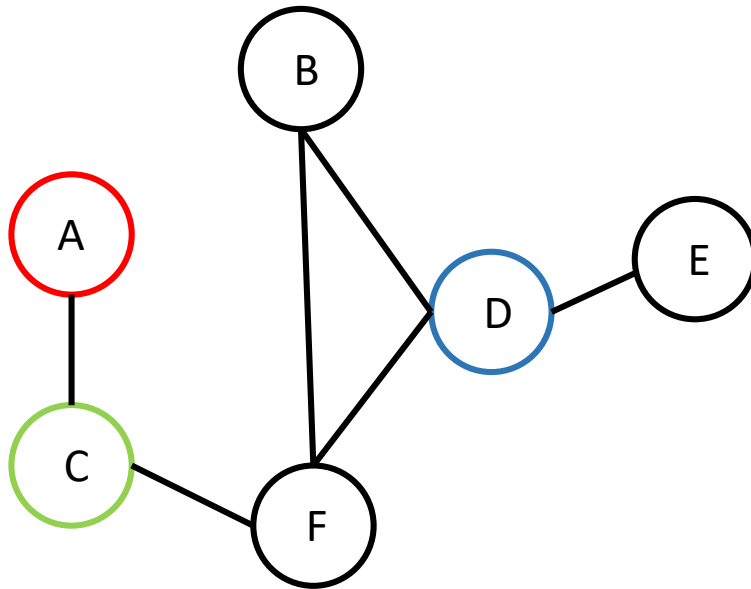
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



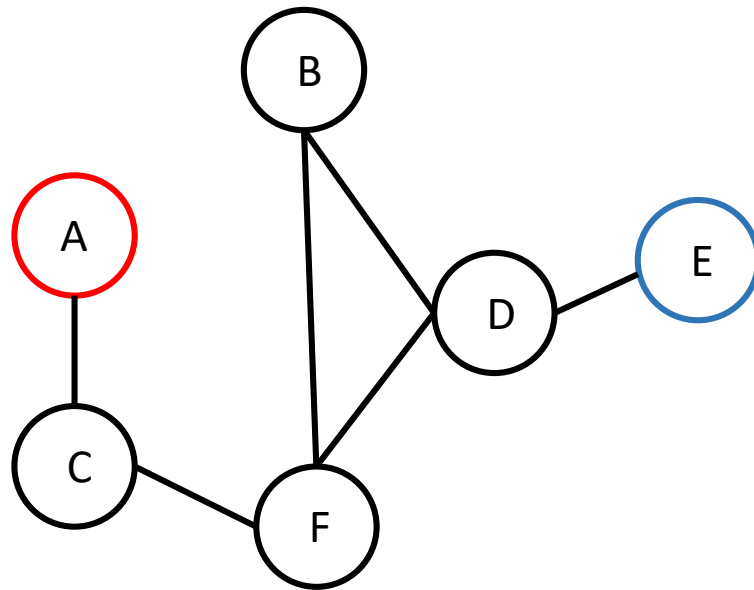
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



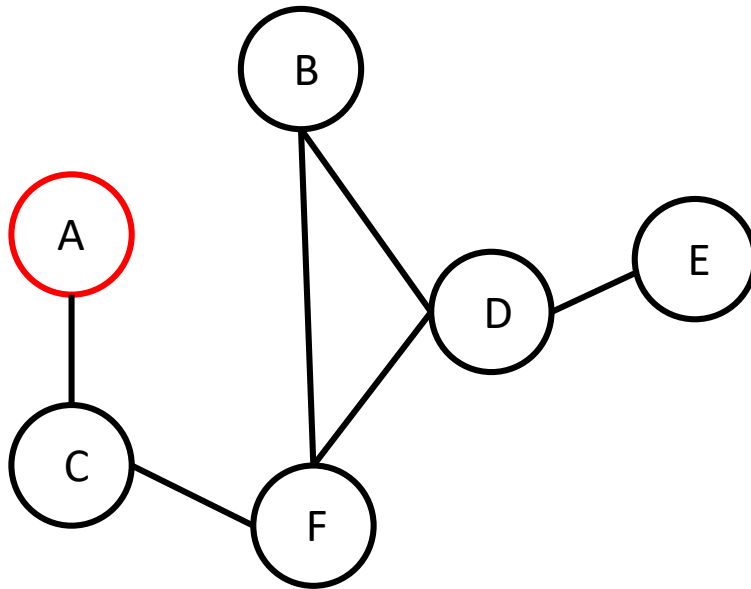
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



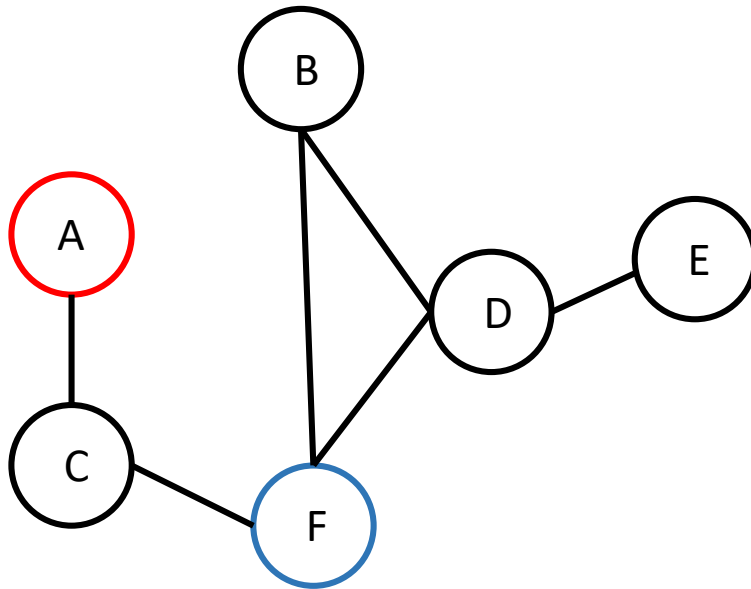
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



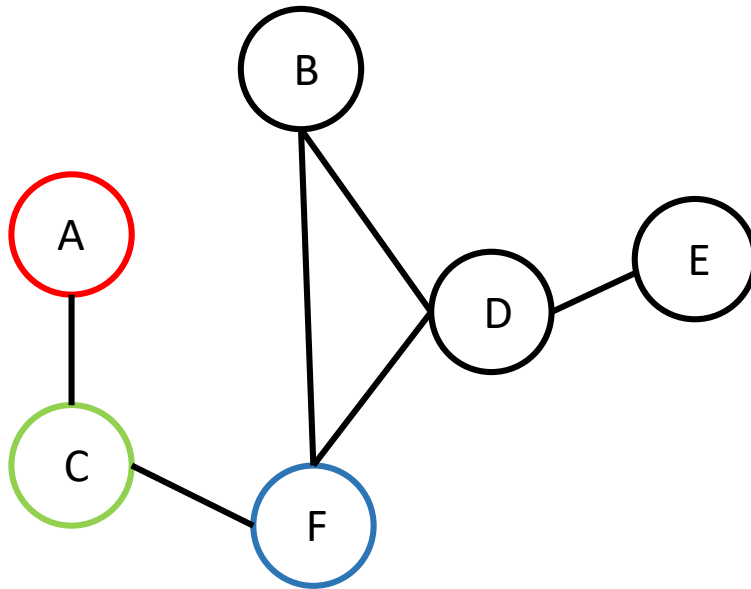
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



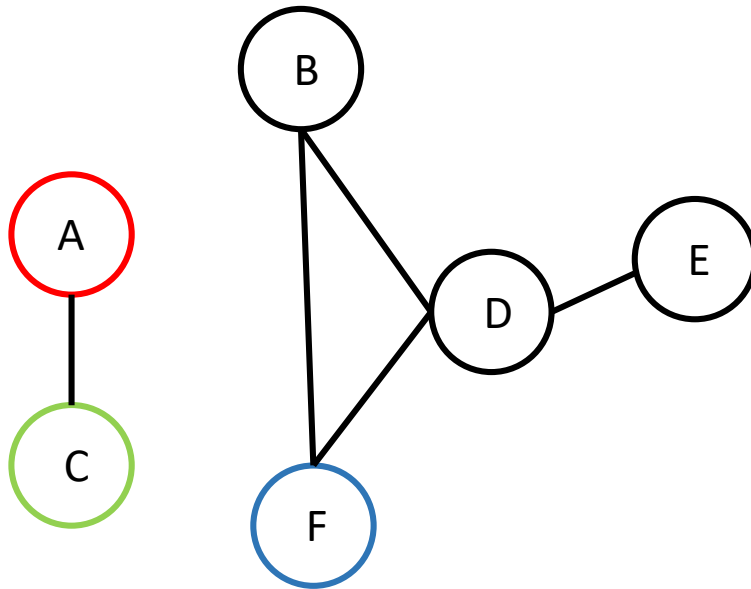
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



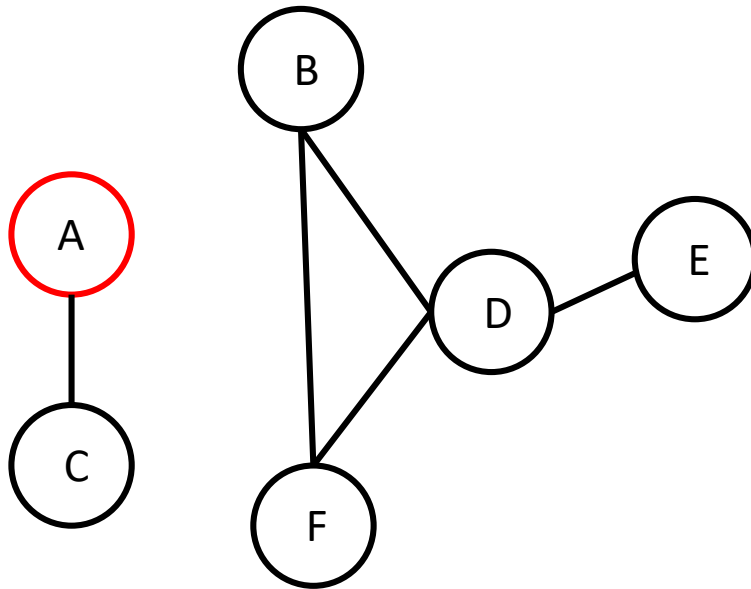
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



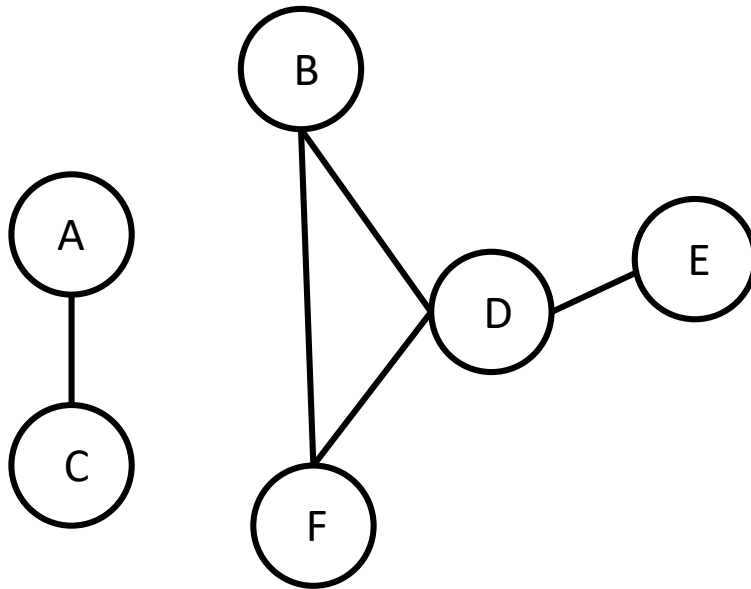
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



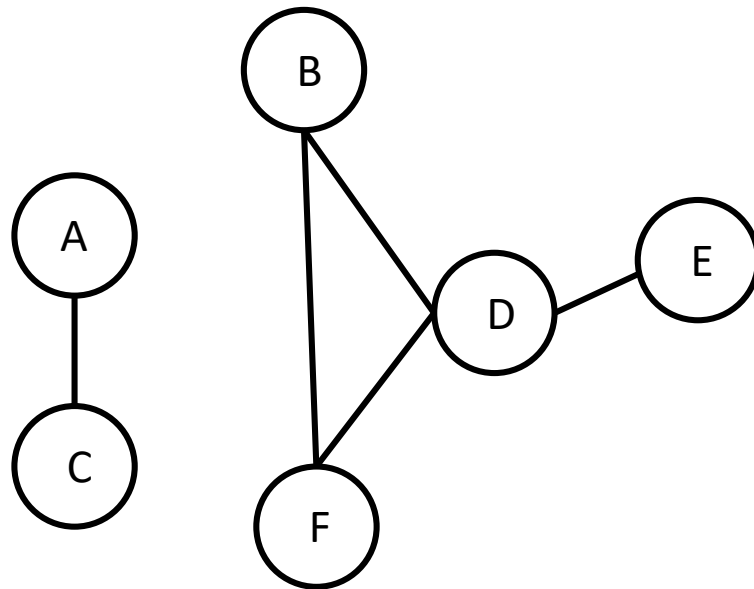
Pila

A
B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



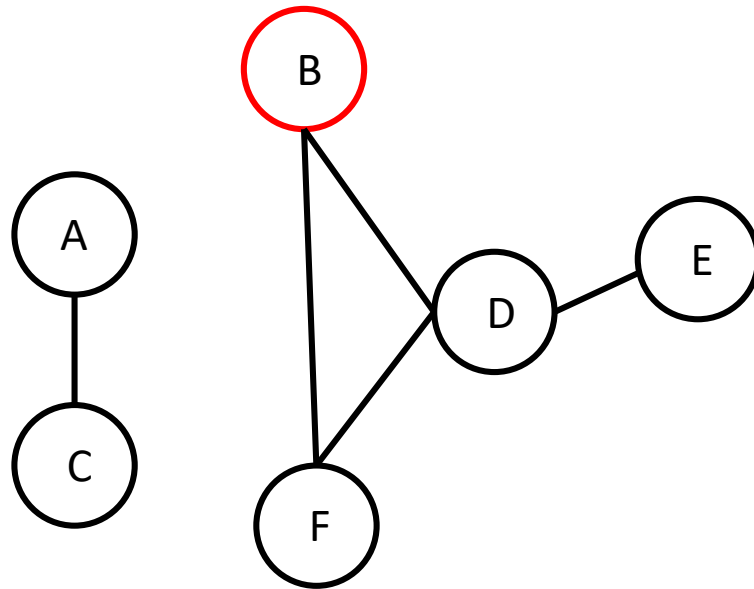
Pila

B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



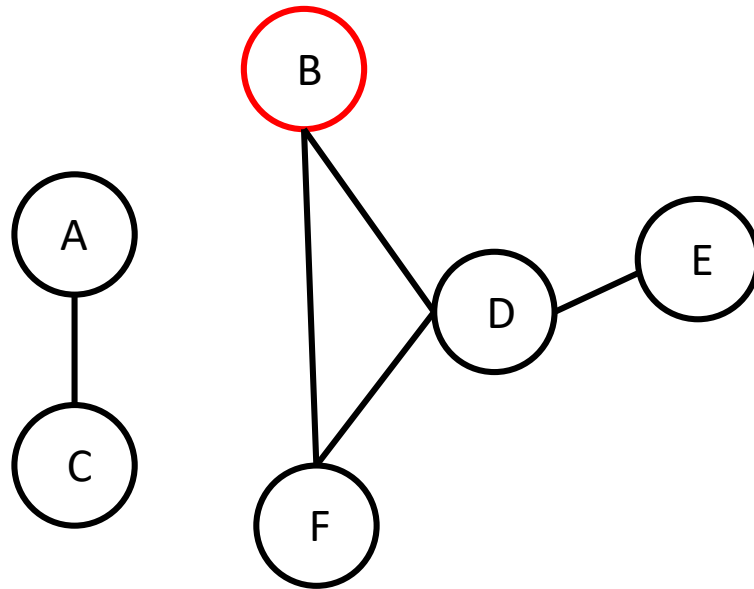
Pila

B
C
D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



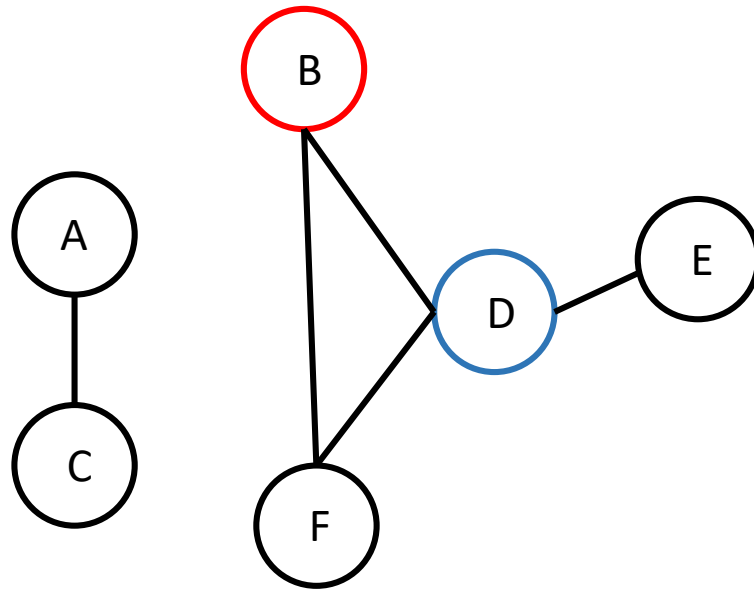
Pila

B
C
D
E
F

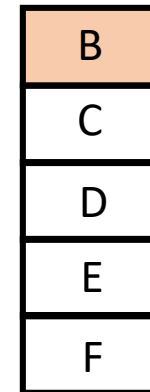
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



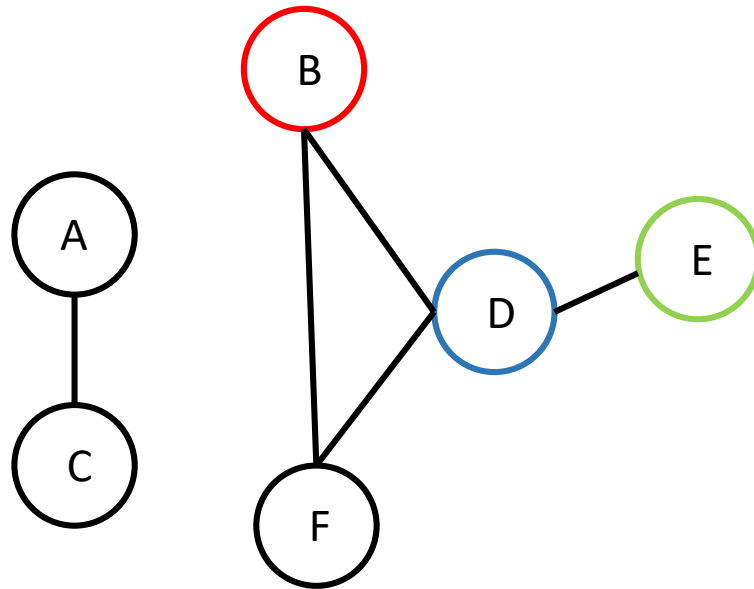
Pila



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



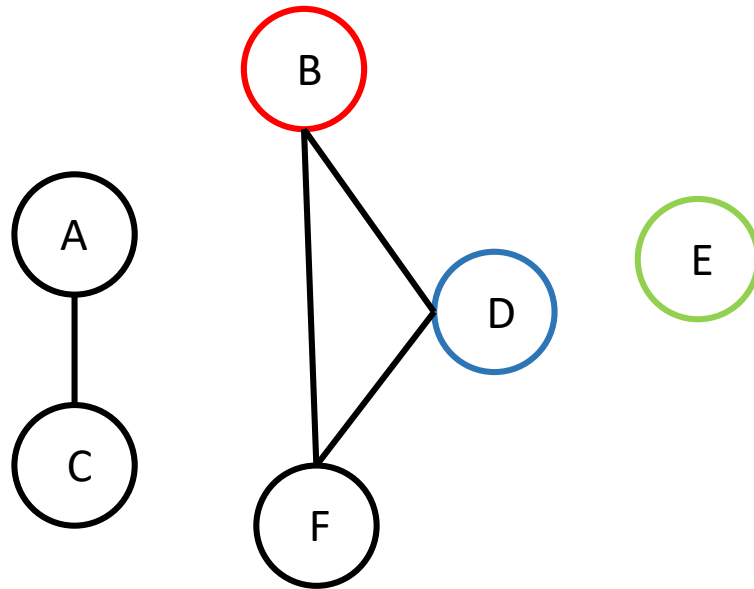
Pila

B
C
D
E
F

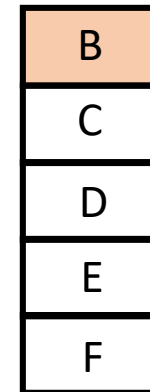
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



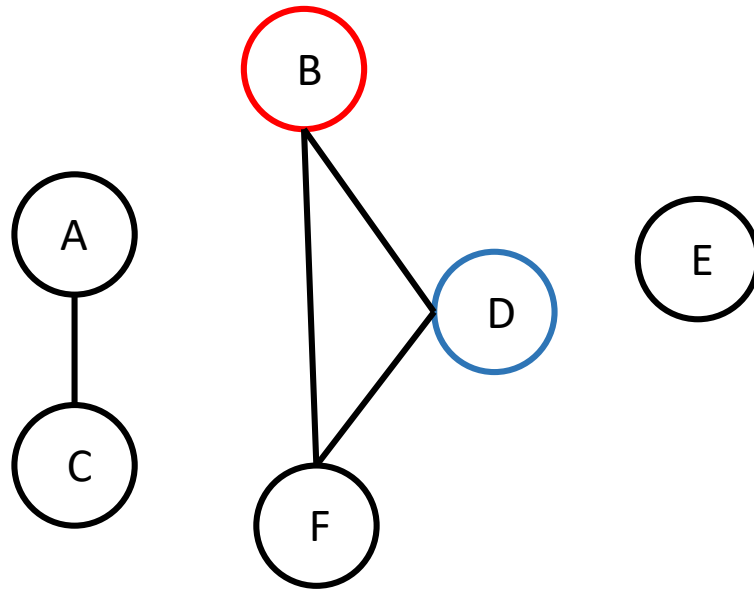
Pila



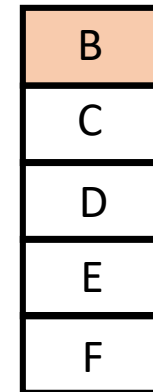
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



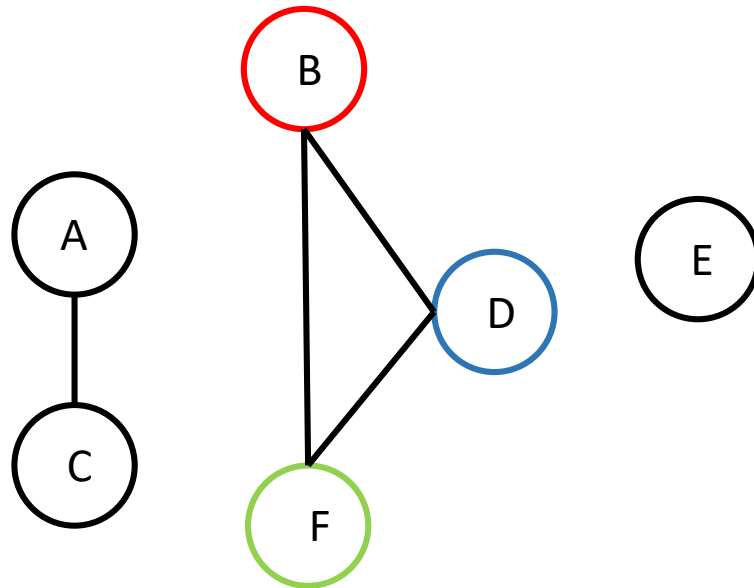
Pila



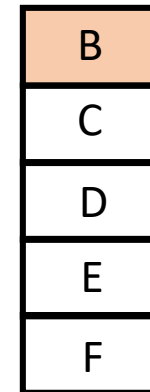
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



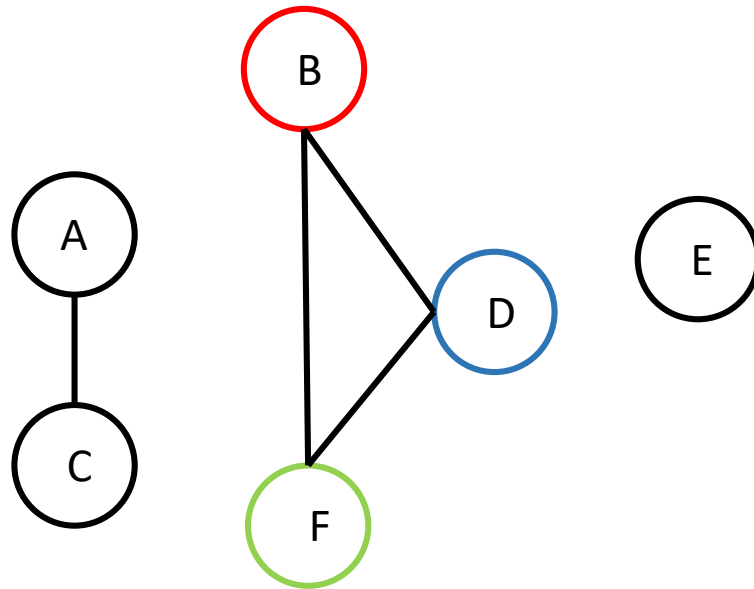
Pila



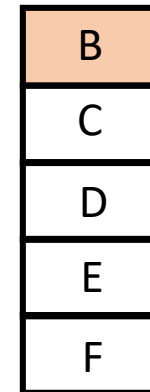
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



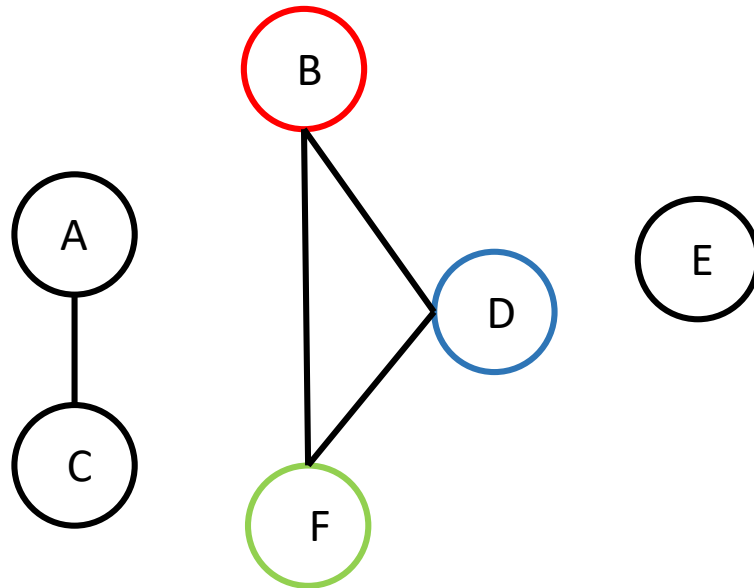
Pila



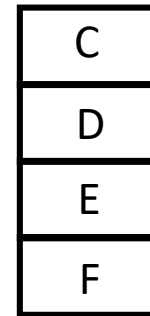
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



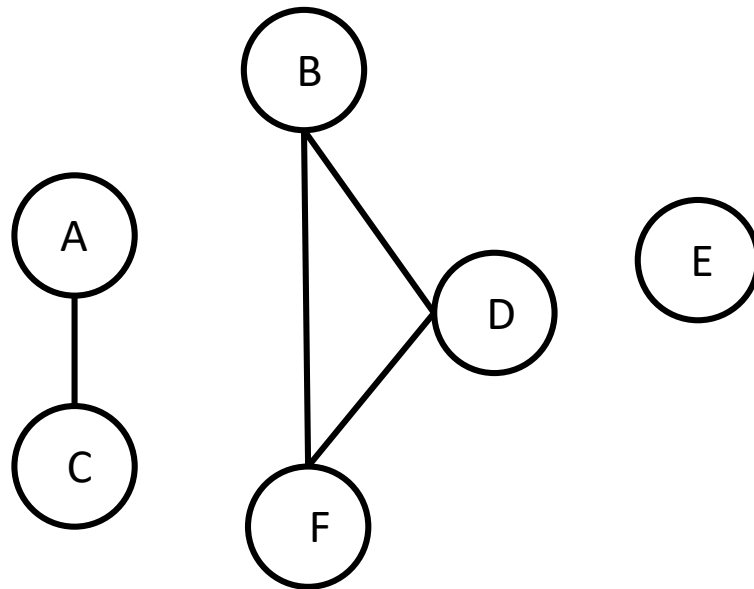
Pila



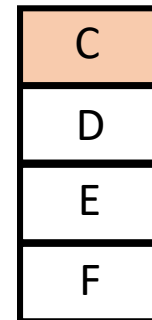
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



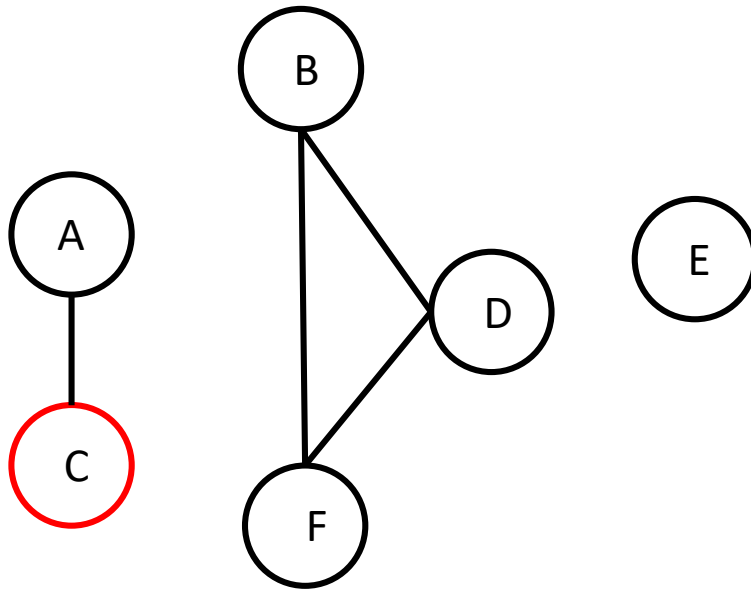
Pila



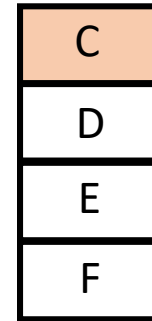
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



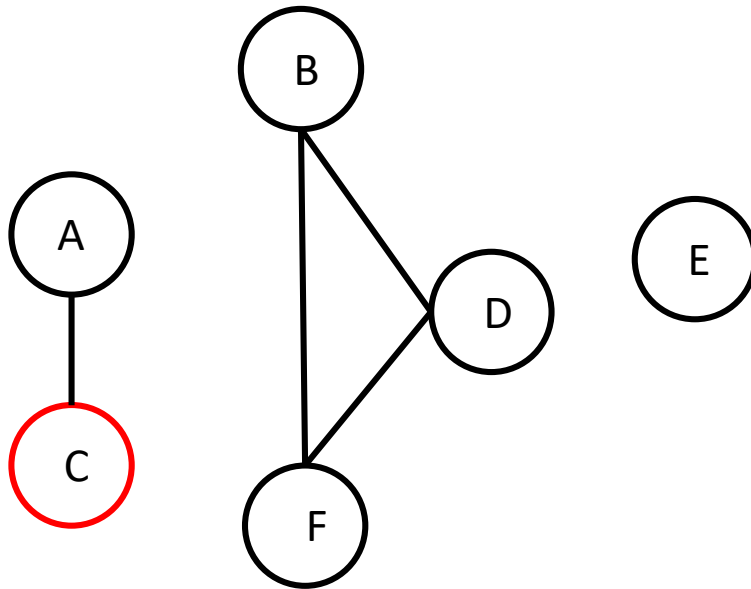
Pila



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



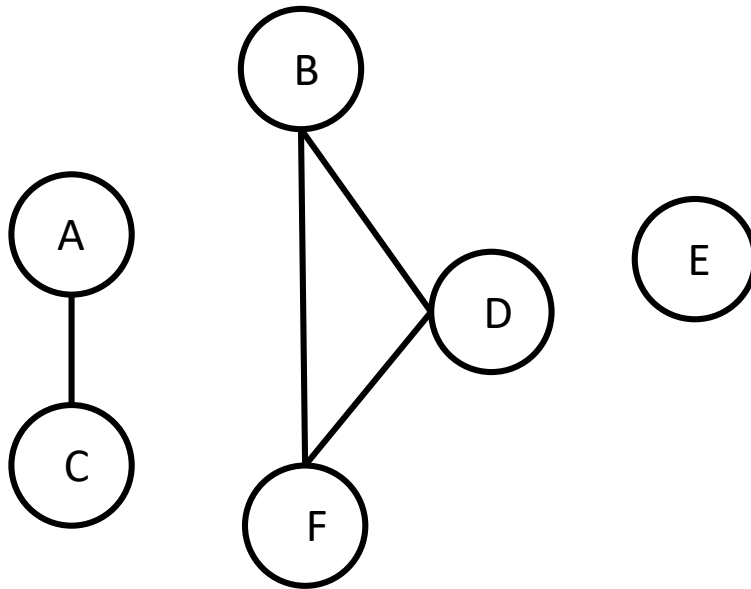
Pila

D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



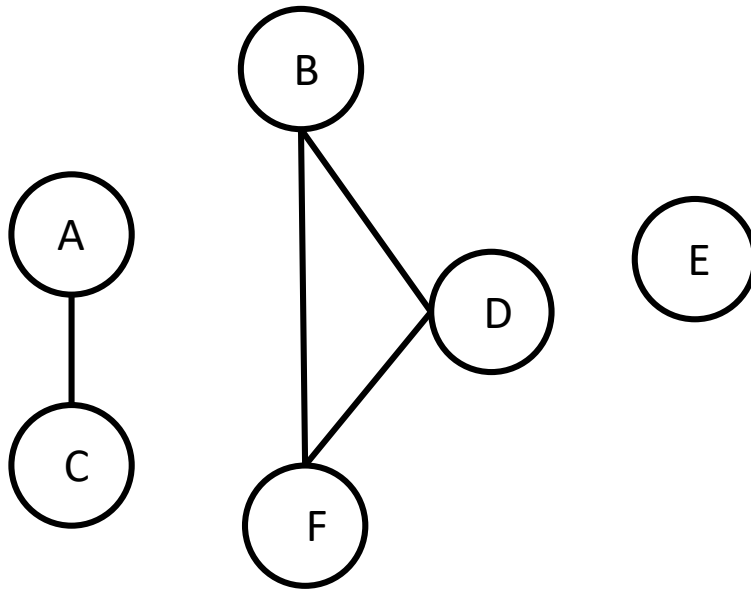
Pila

D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



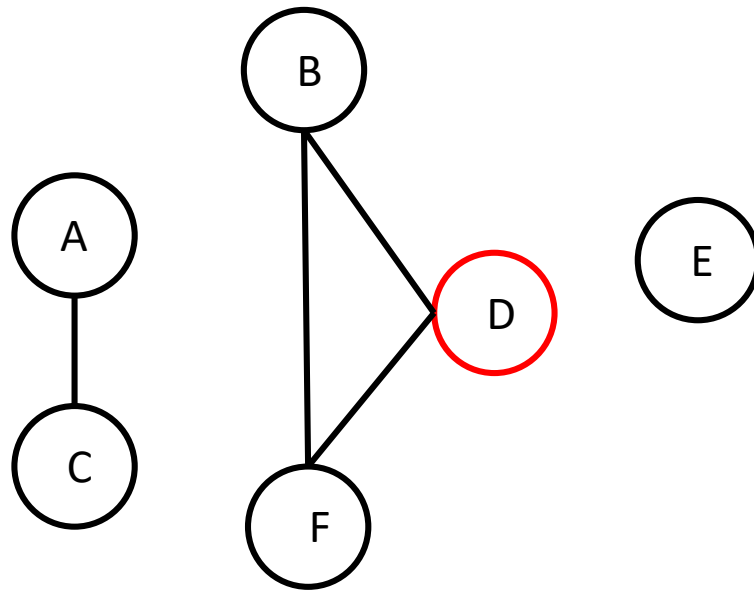
Pila

D
E
F

Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



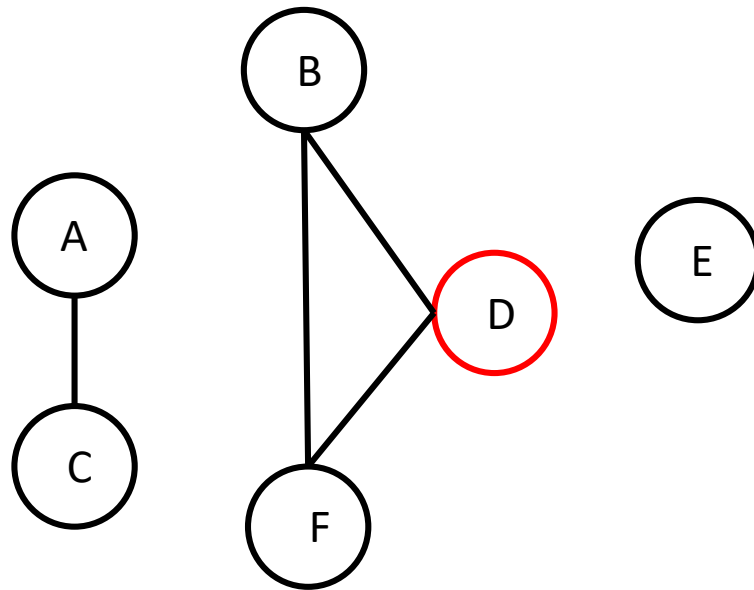
Pila

D
E
F

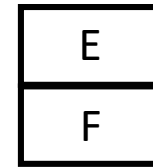
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



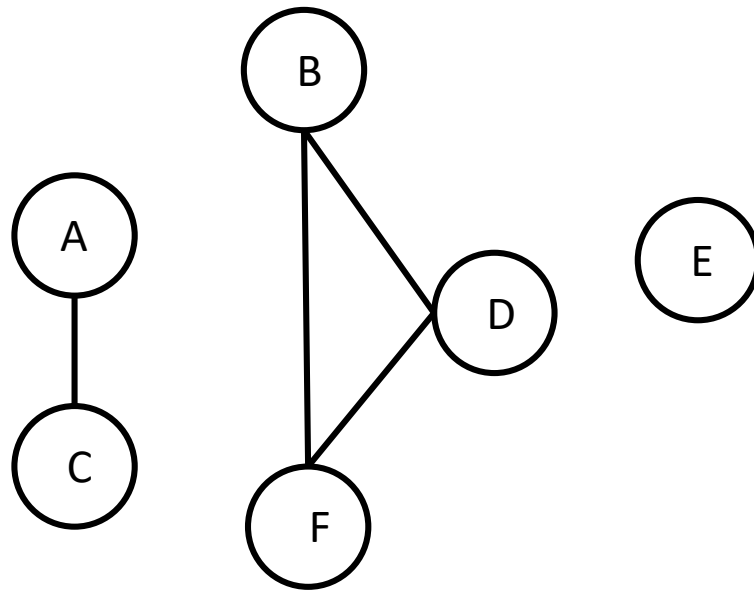
Pila



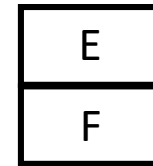
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



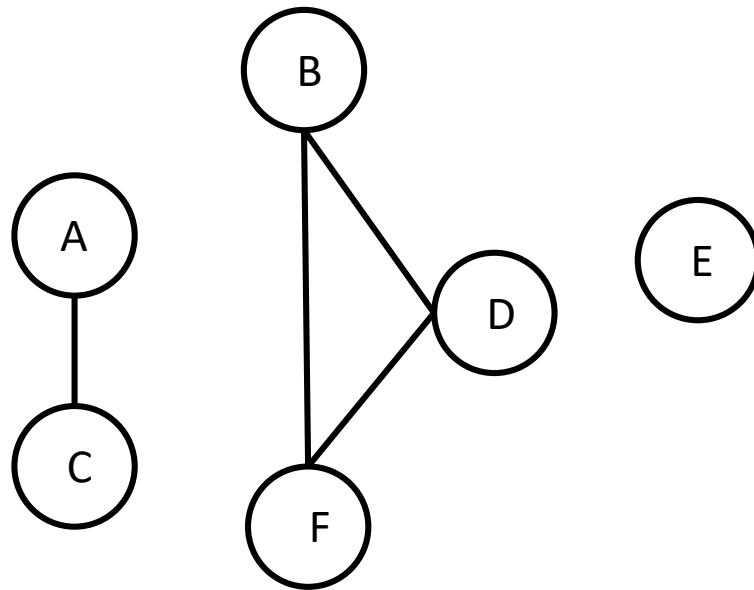
Pila



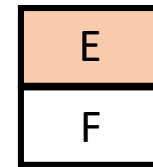
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



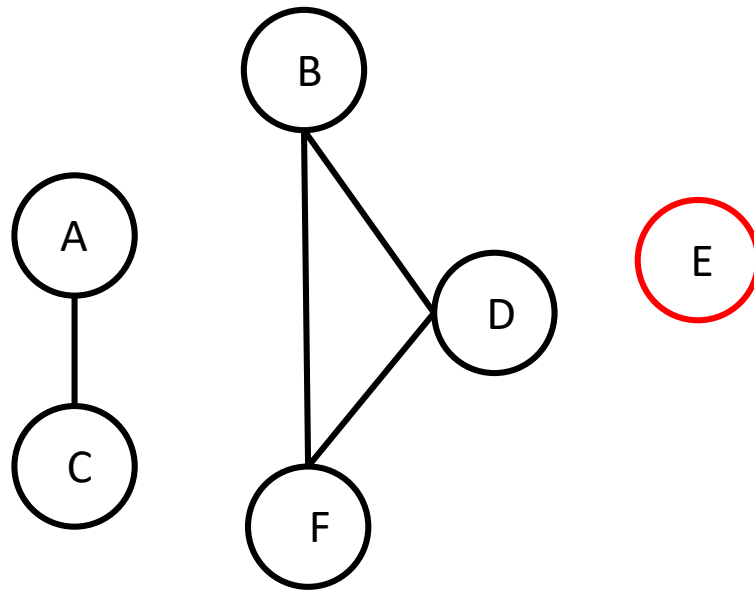
Pila



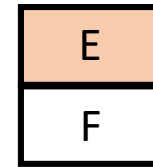
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



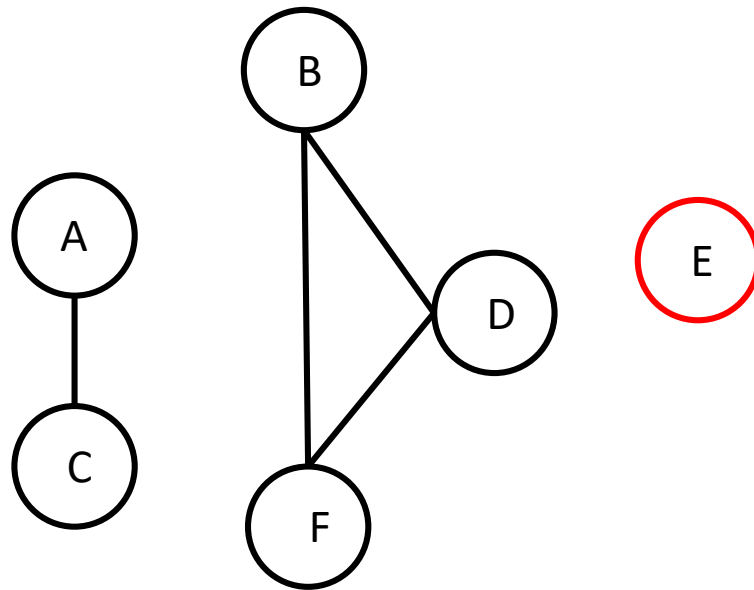
Pila



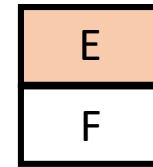
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Solución Ingenua



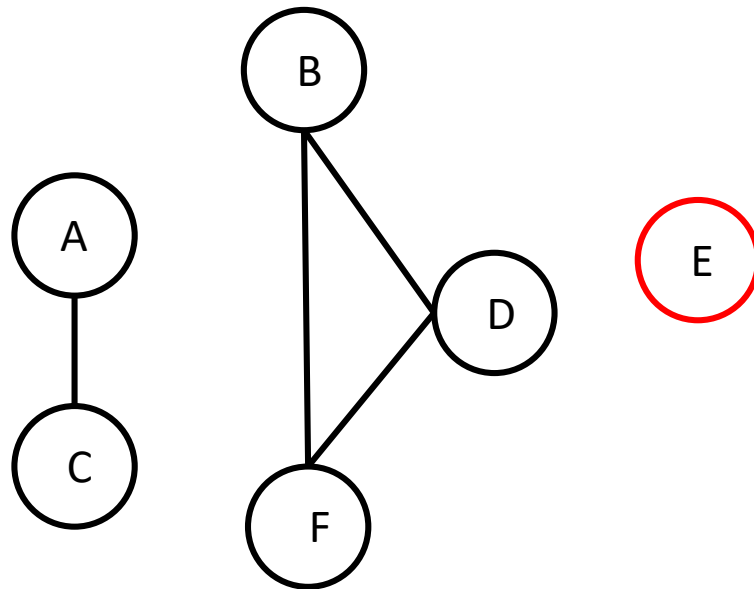
Pila



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Solución Ingenua



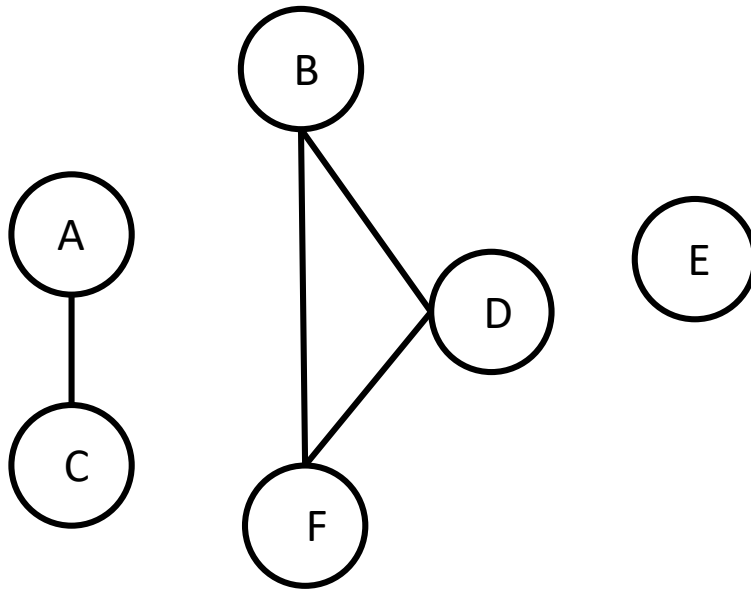
Pila



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Solución Ingenua



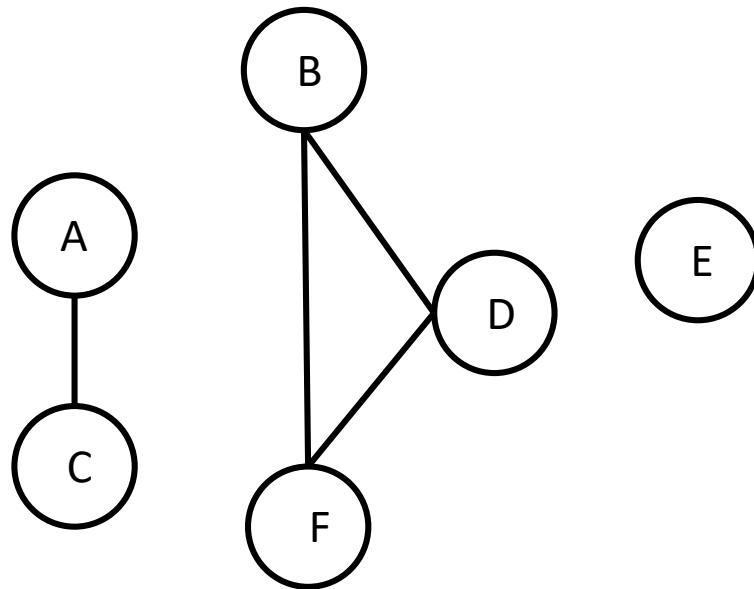
Pila

F

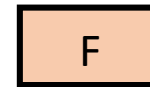
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Solución Ingenua



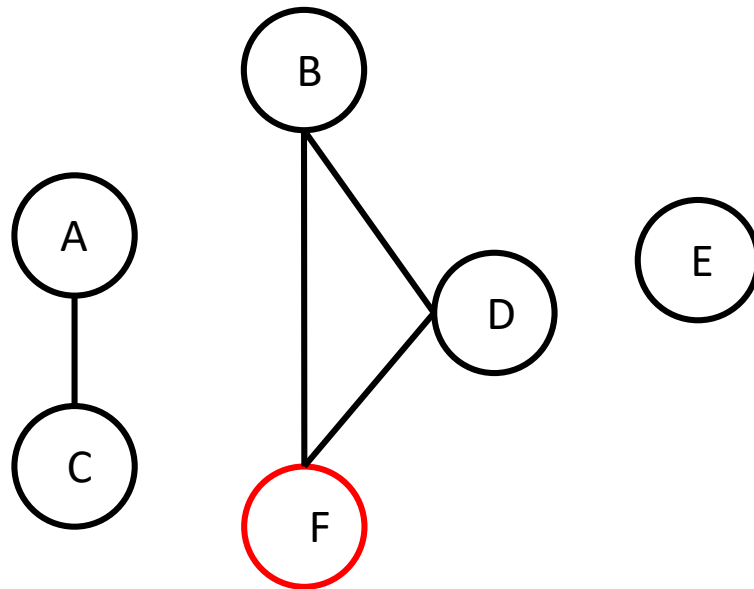
Pila



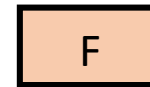
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Solución Ingenua



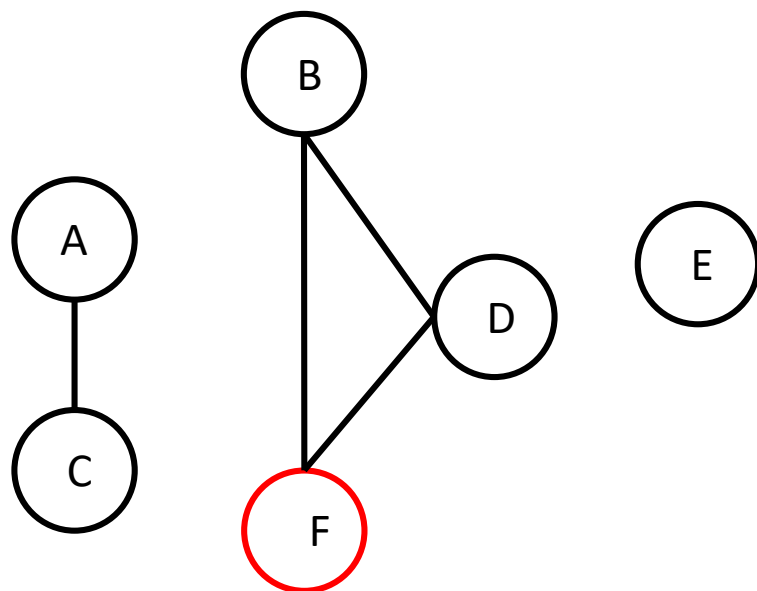
Pila



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

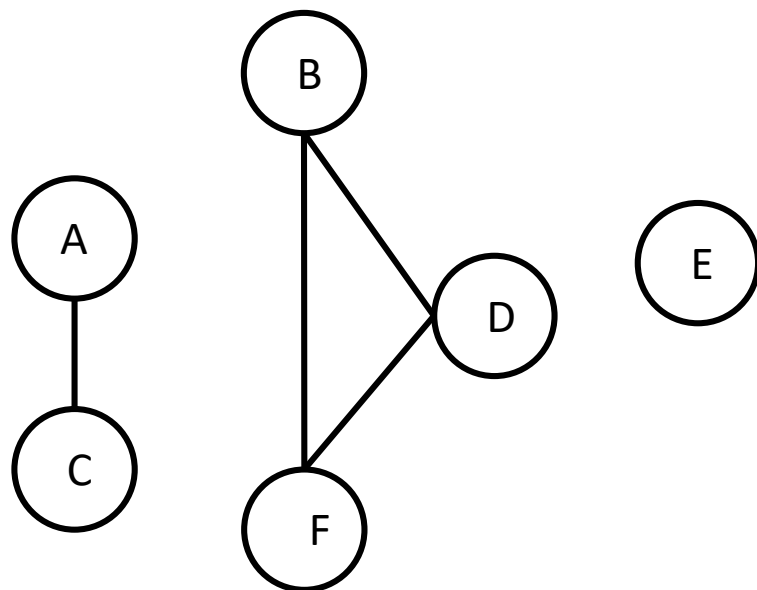
Solución Ingenua



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

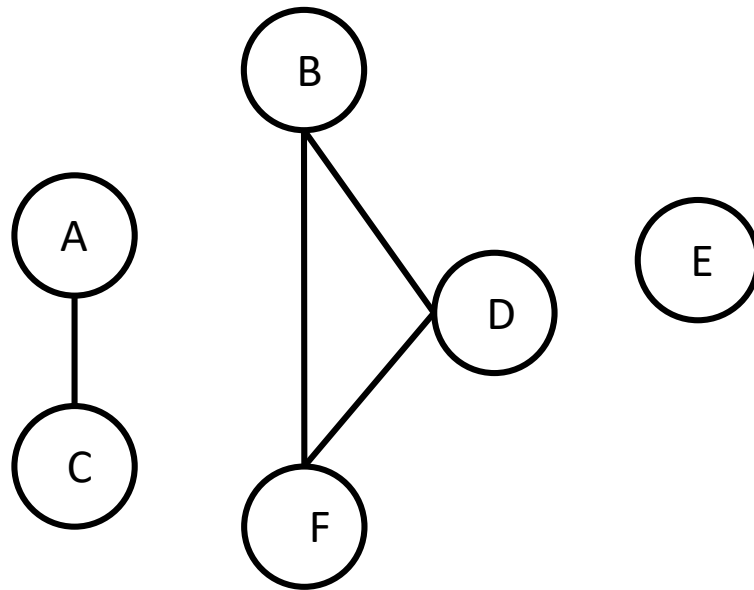
Solución Ingenua



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

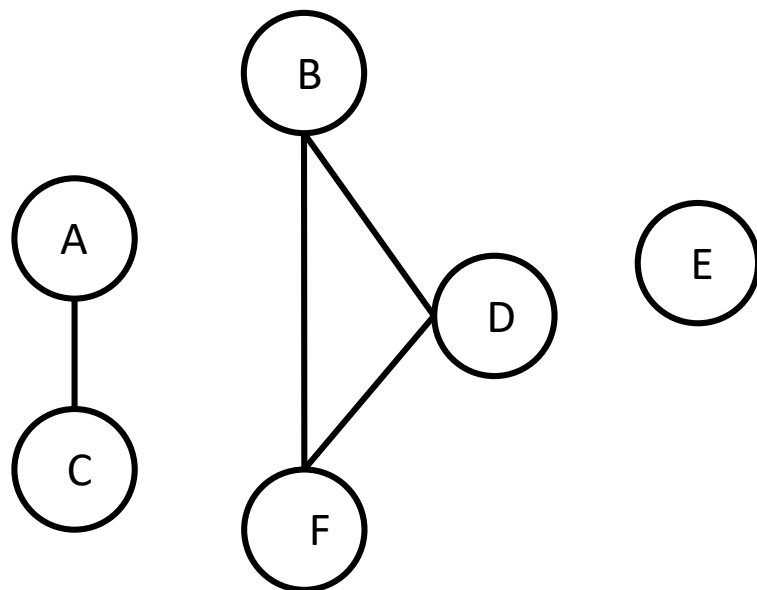
Solución Ingenua



Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Solución Ingenua

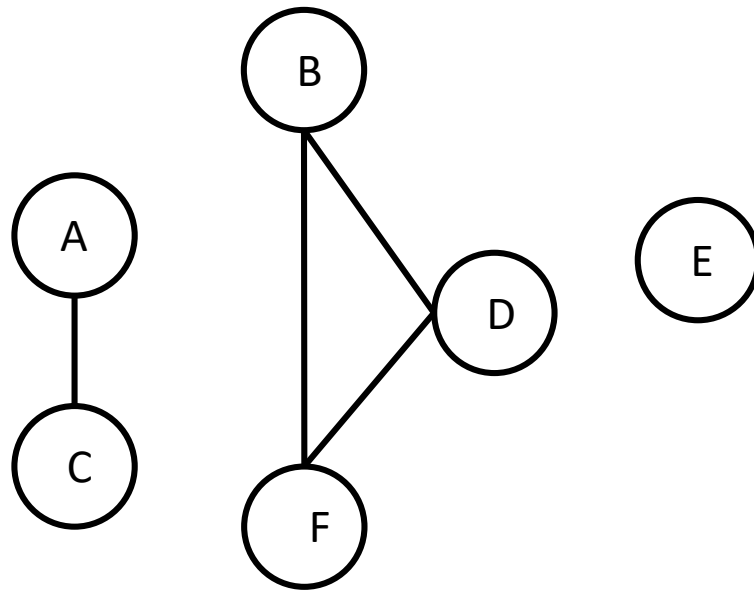


Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 1

Solución Ingenua

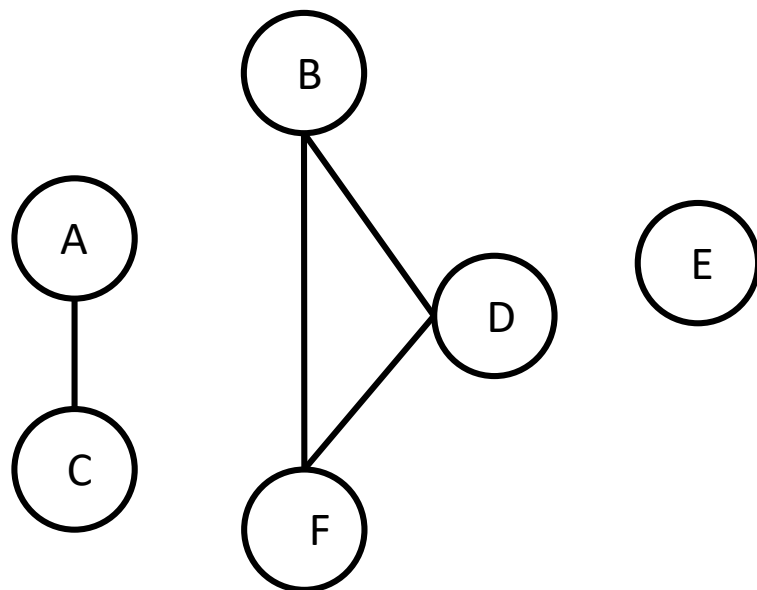


Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 1

Solución Ingenua

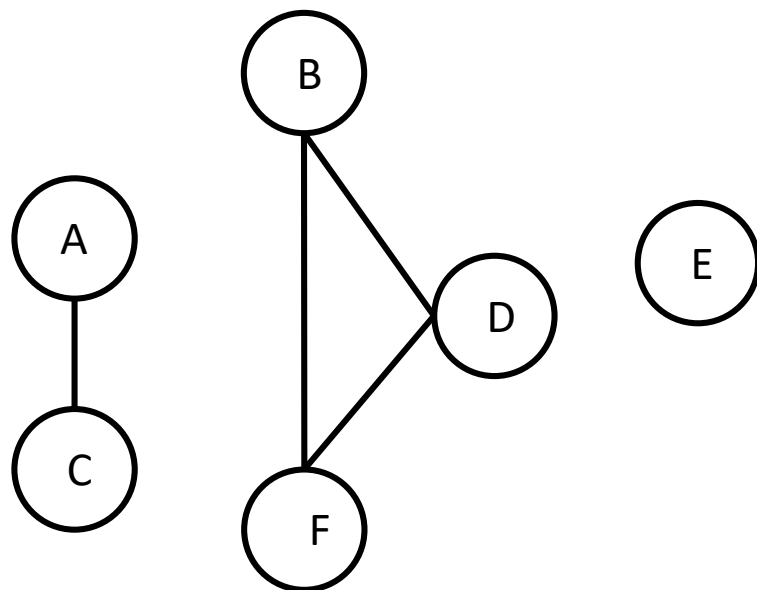


Matriz Auxiliar


1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 2

Solución Ingenua



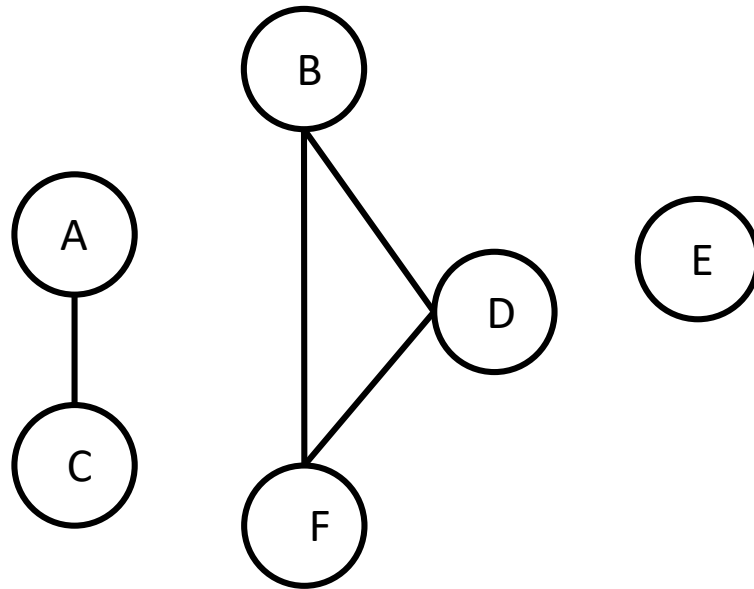
Matriz Auxiliar




1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 2

Solución Ingenua



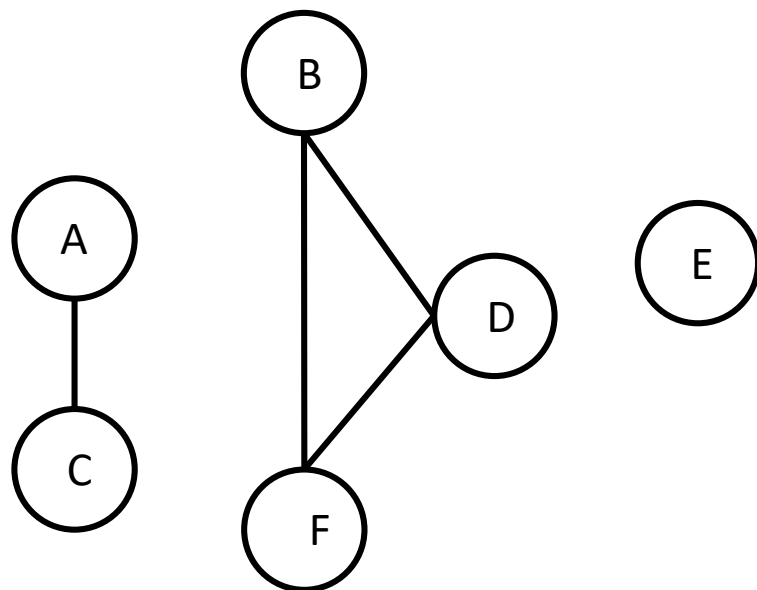
Matriz Auxiliar



1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 2

Solución Ingenua

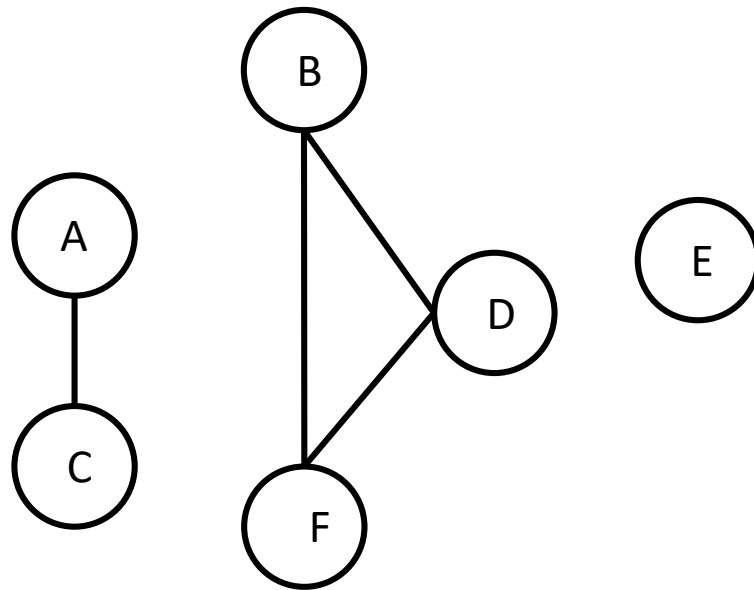


Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 2

Solución Ingenua

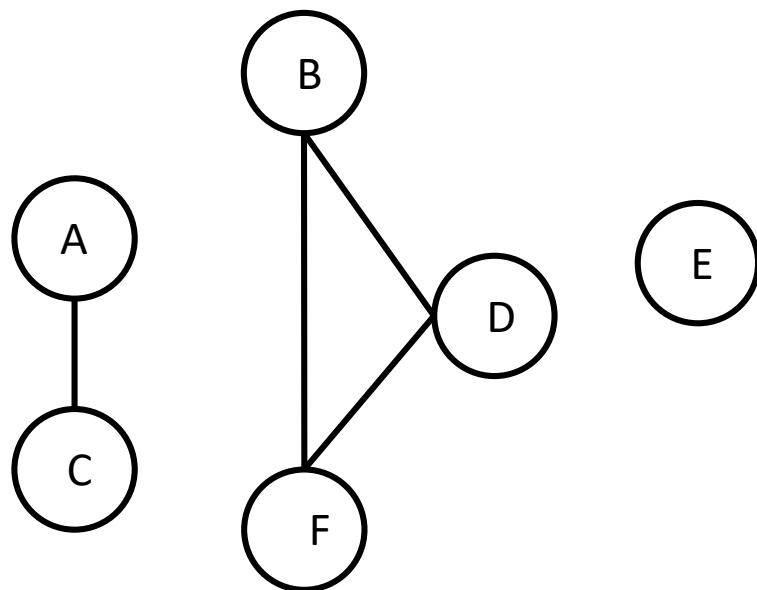


Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0

Villas = 3

Solución Ingenua



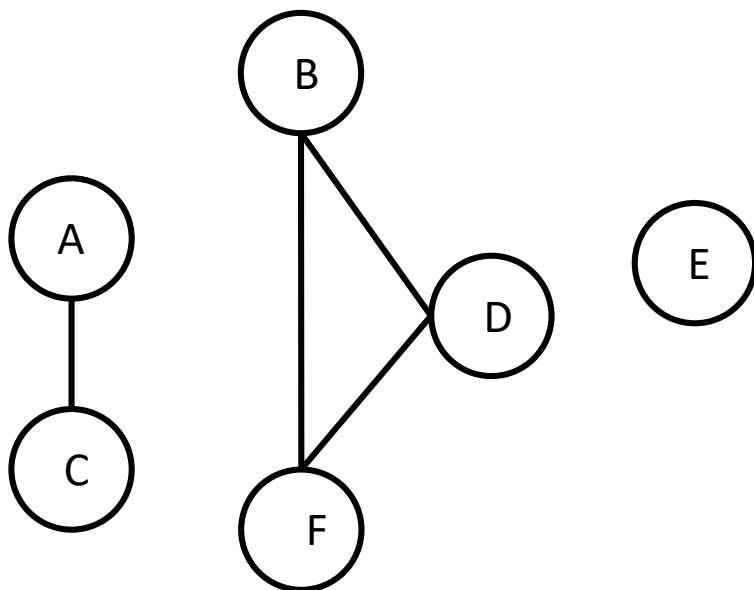
Matriz Auxiliar

1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1	0
0	0	0	0	0	0



Villas = 3

Solución Ingenua



Matriz Auxiliar

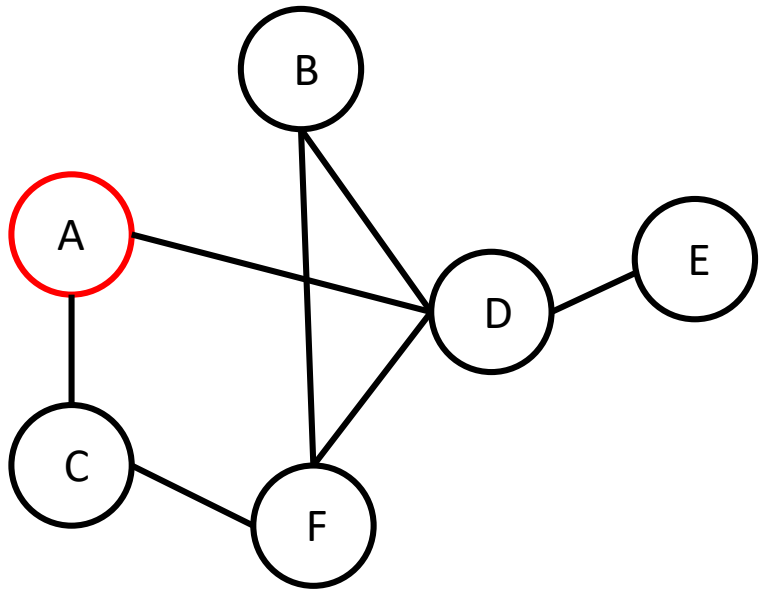
1	0	1	0	0	0
0	1	0	1	0	1
0	0	0	0	1	0

Villas = 3

¿Su complejidad?

En el peor caso la complejidad será $O(n^3)$, debido a que se usan 3 ciclos anidados, pero como los ciclos interiores no inician desde 0, sino que por cada iteración externa se hará una iteración menos de manera interna, el costo tiende a ser mucho menor que el anterior, puede haber un punto determinado en que el algoritmo tendrá complejidad $O(n^2)$, en el caso en que ya todas las selecciones habrán sido ubicadas.

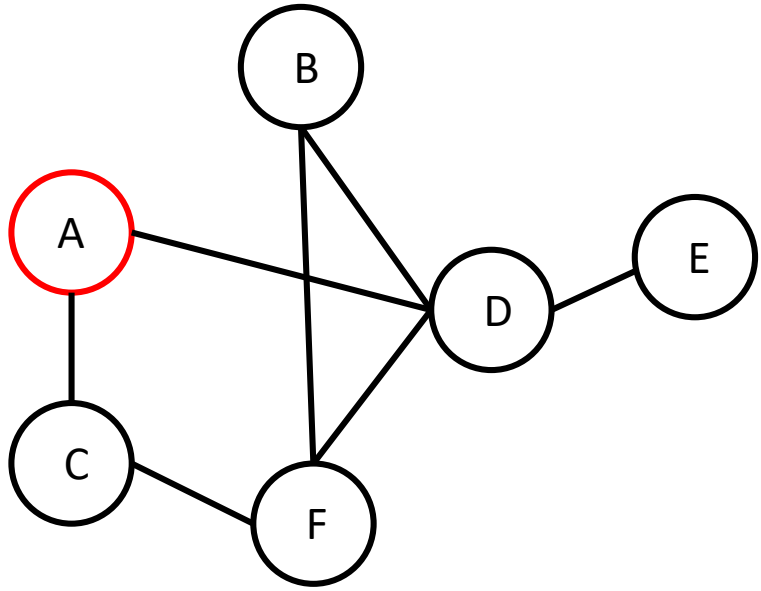
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6

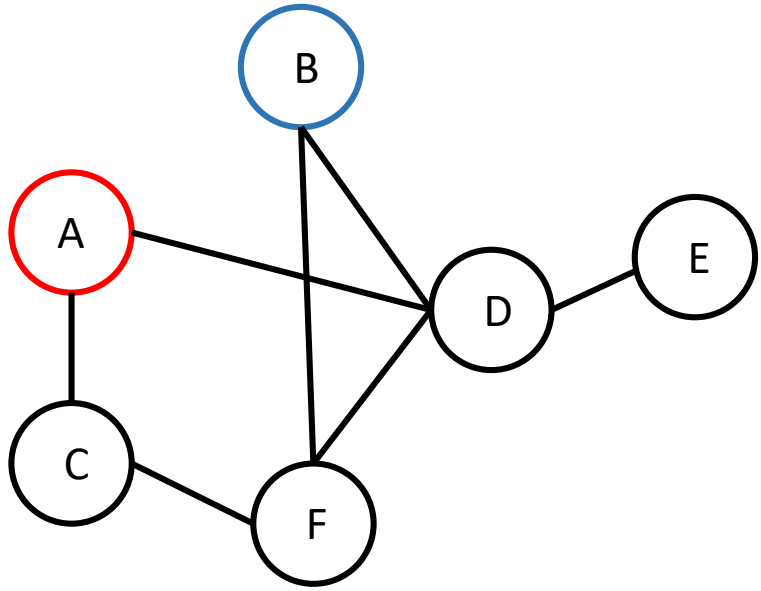
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					

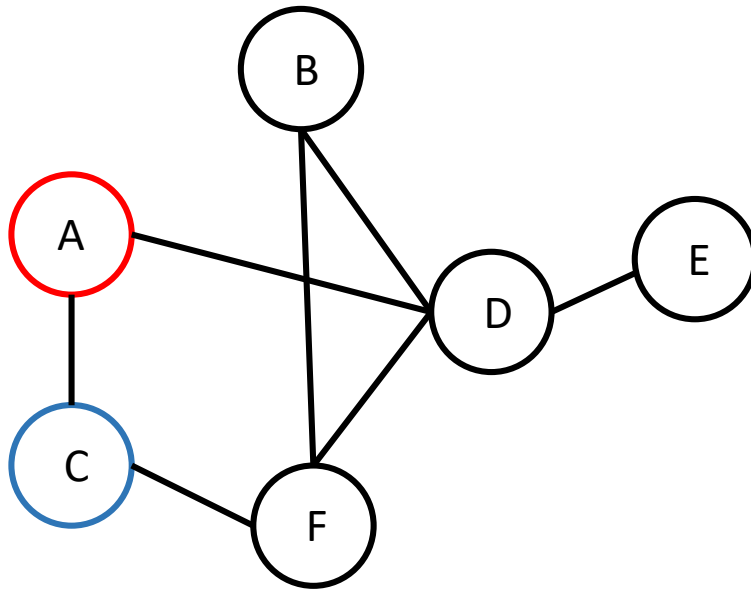
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					

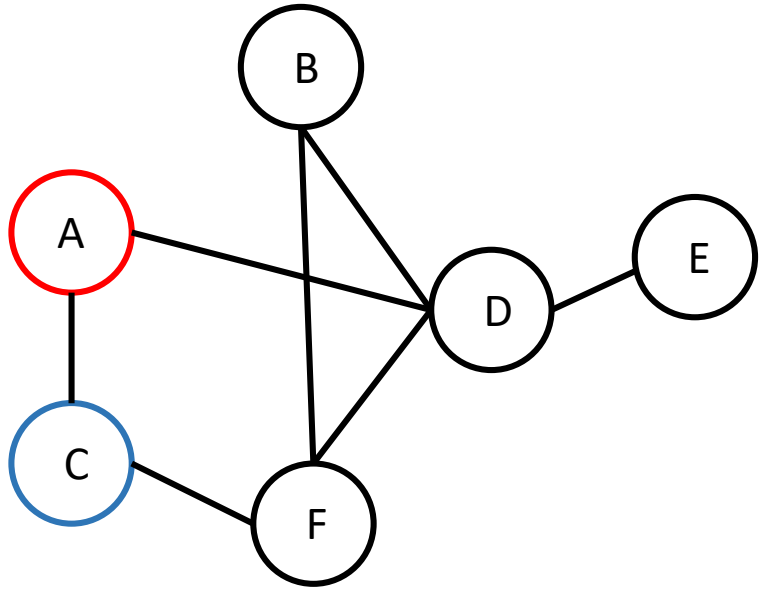
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					

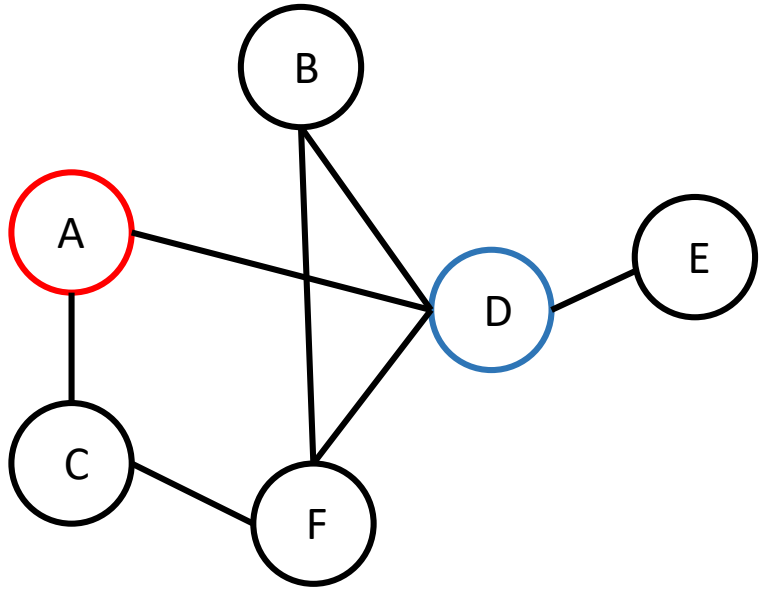
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

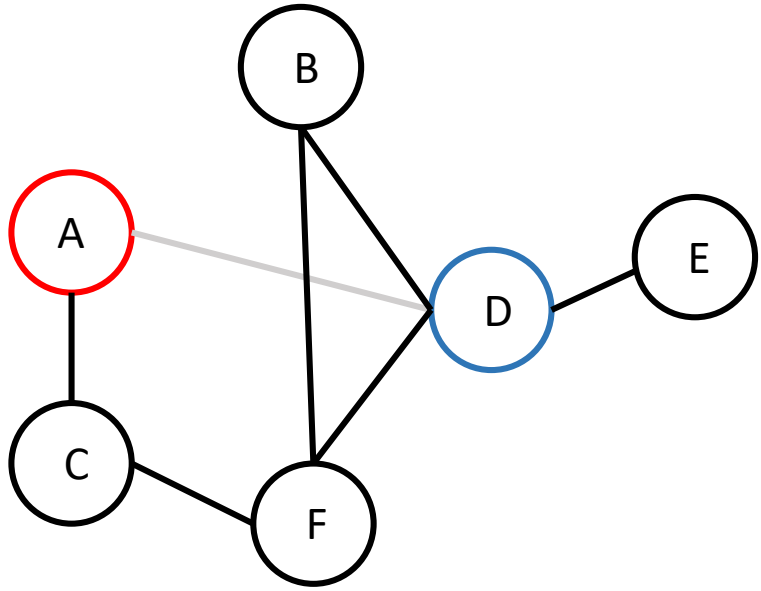
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

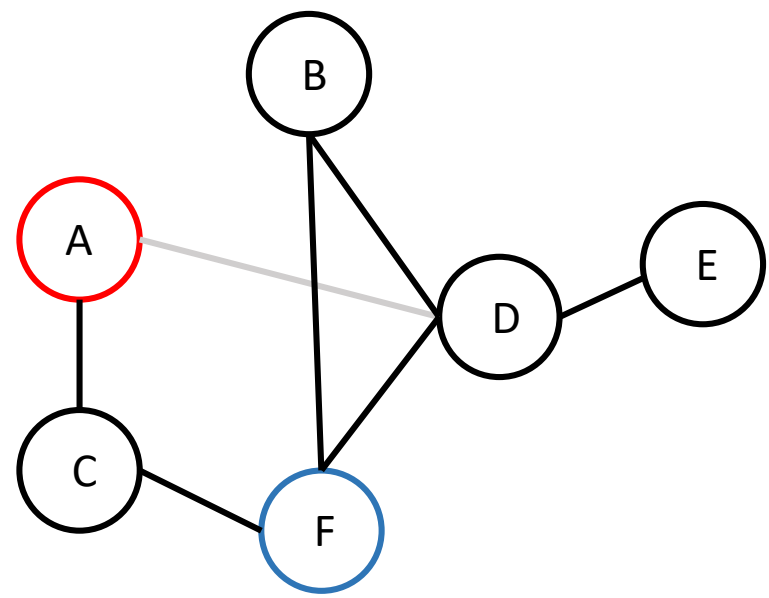
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

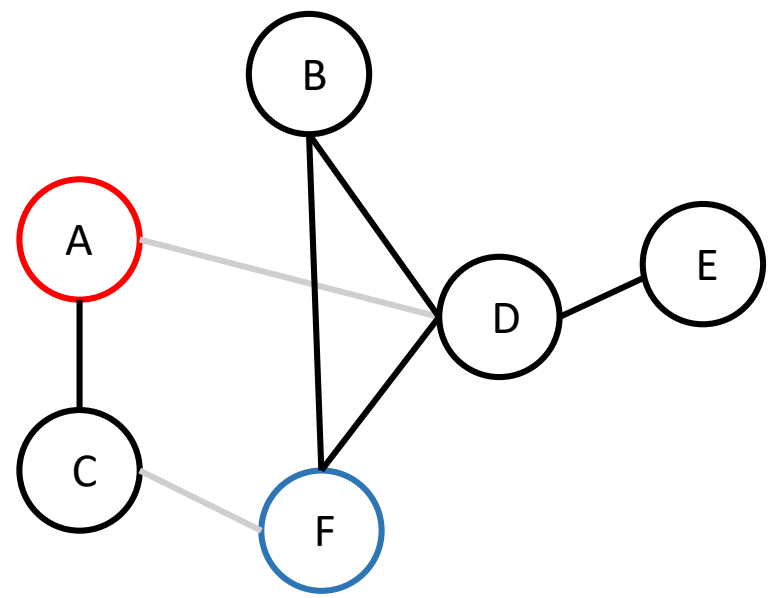
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

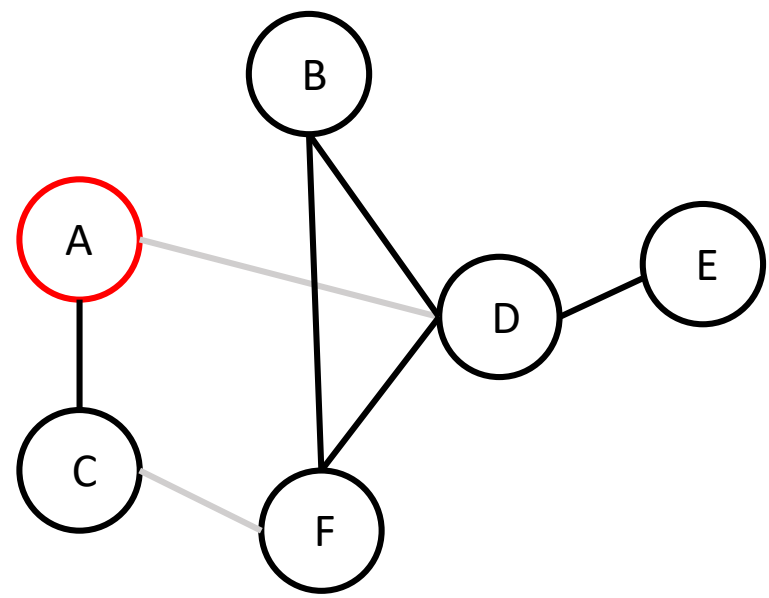
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

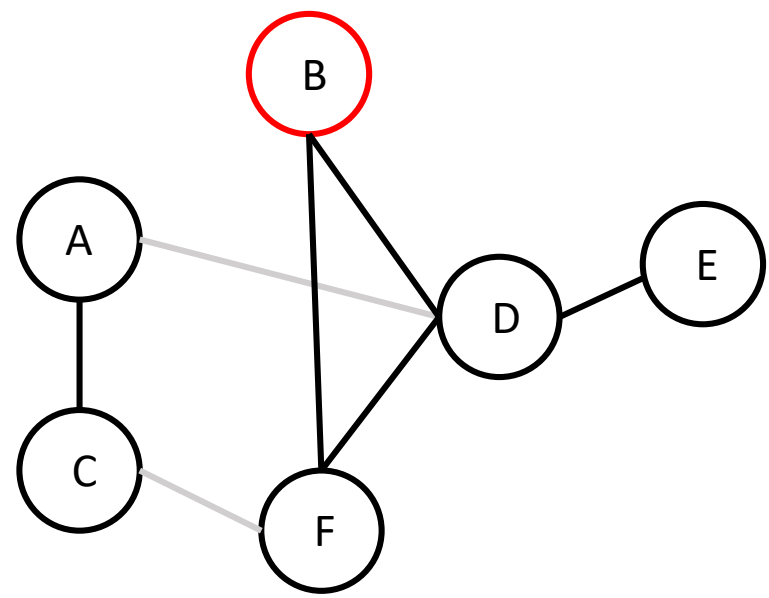
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

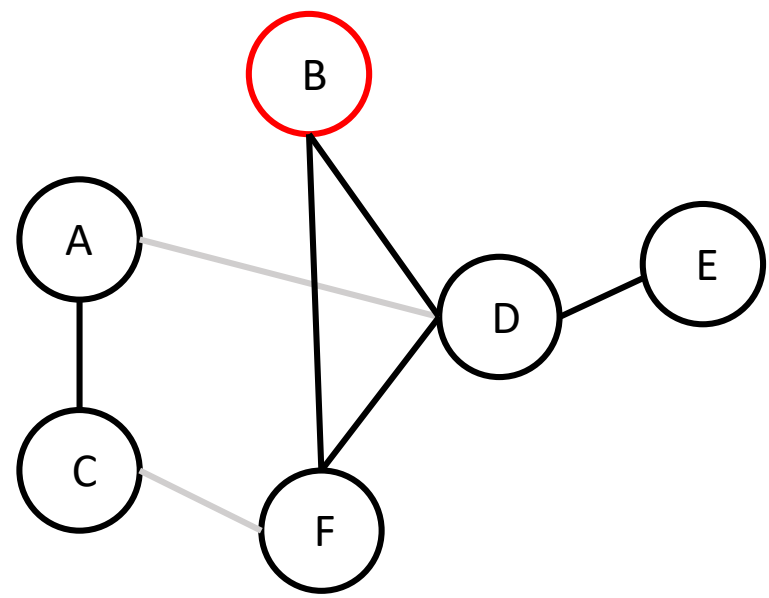
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A					
C					

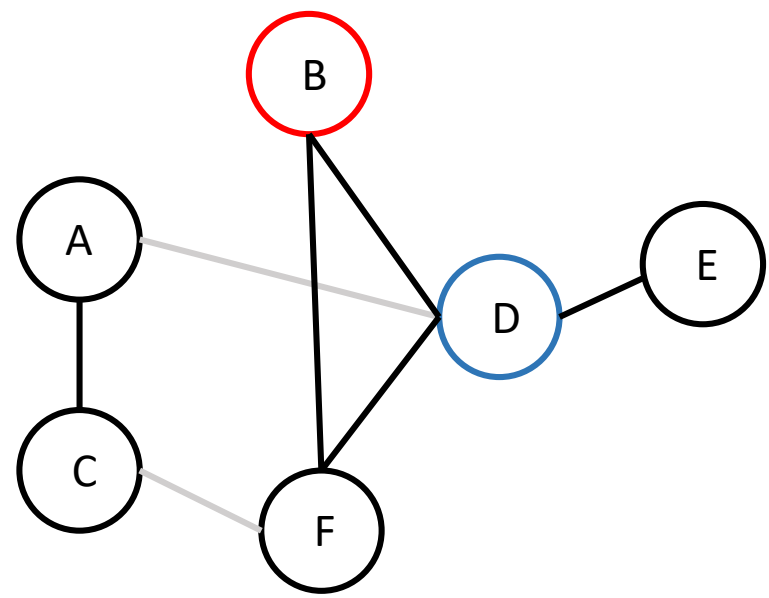
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C					

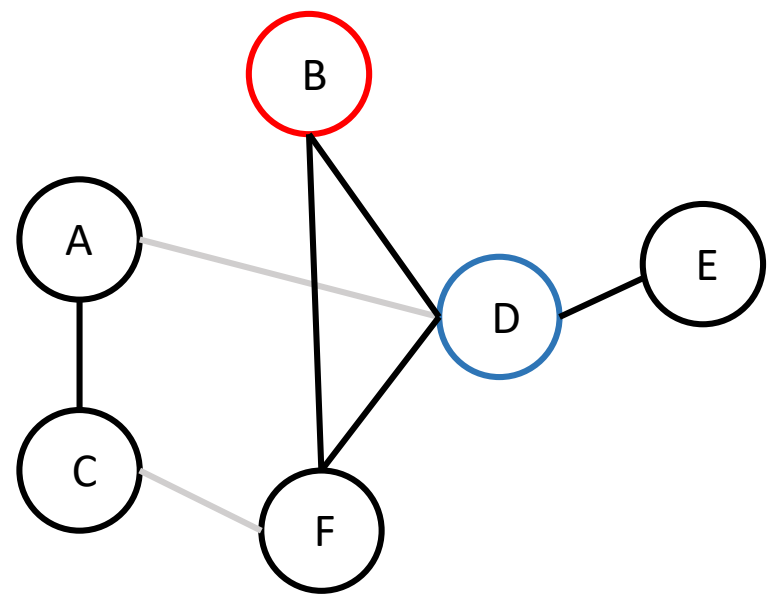
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C					

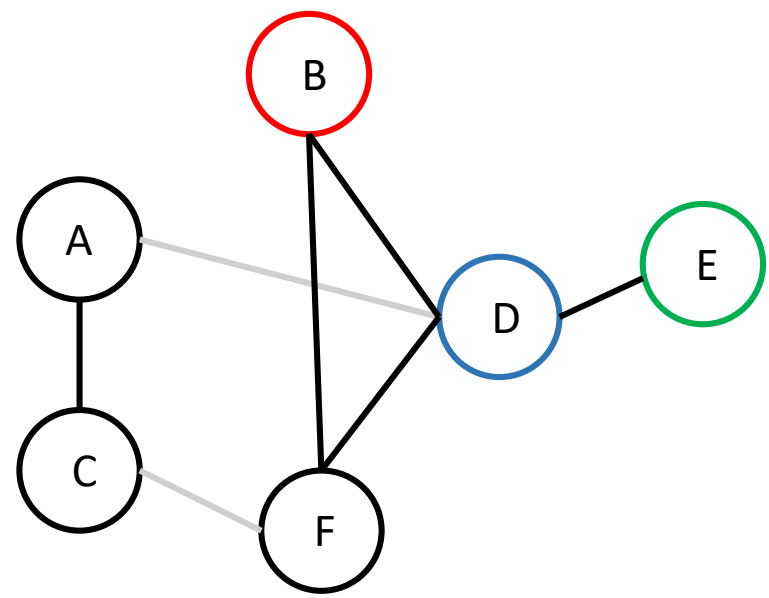
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C	D				

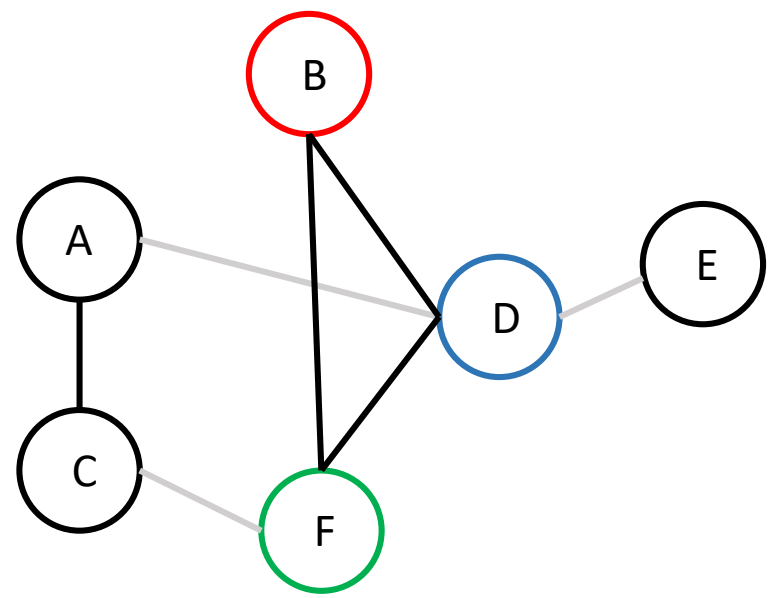
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C	D				

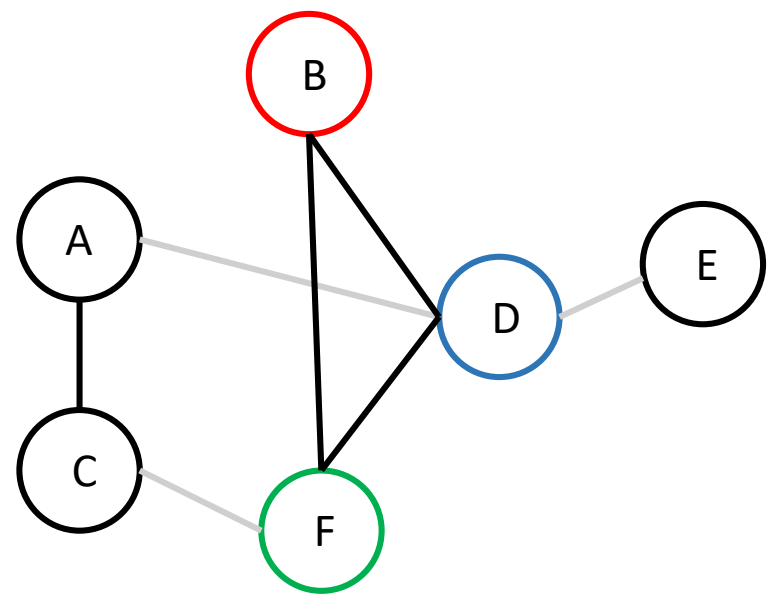
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C	D				

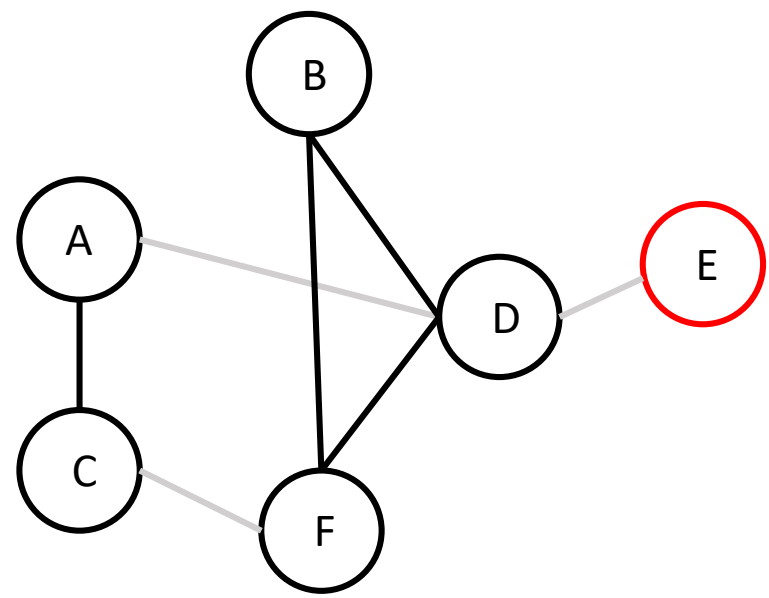
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C	D				
	F				

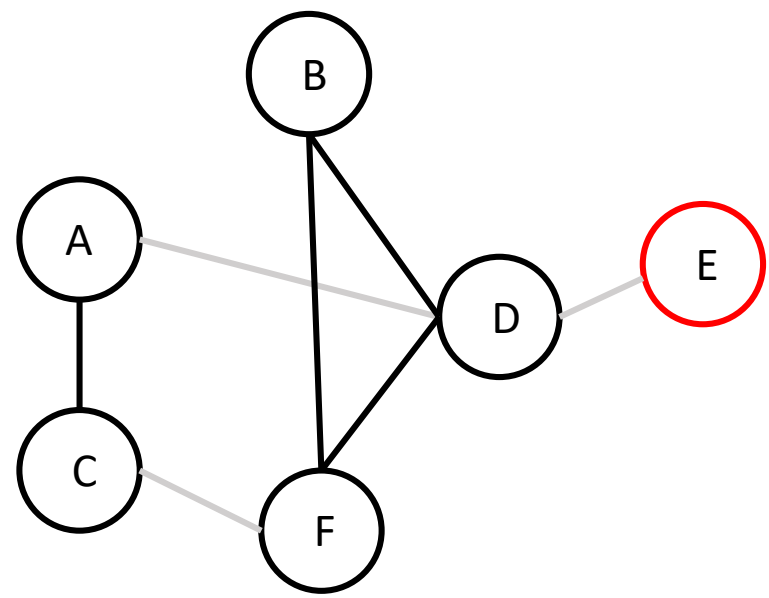
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B				
C	D				
	F				

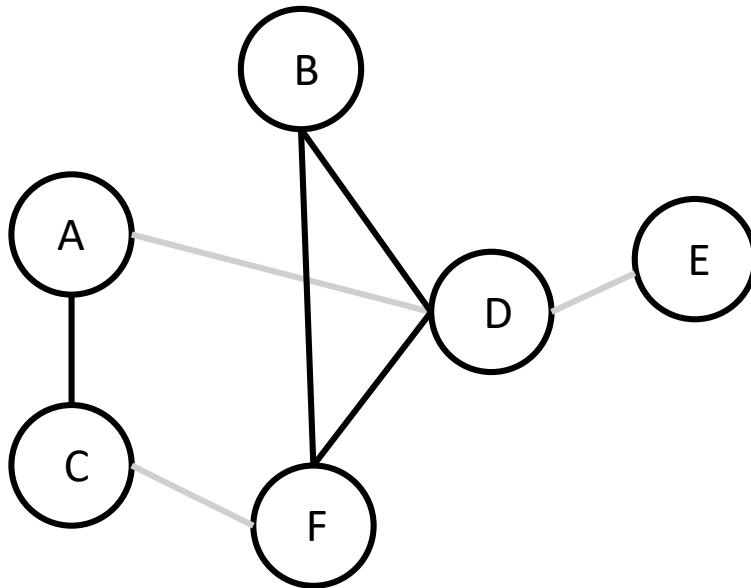
Solución Voraz



Arreglo de Pilas

1	2	3	4	5	6
A	B	E			
C	D				
	F				

Solución Voraz



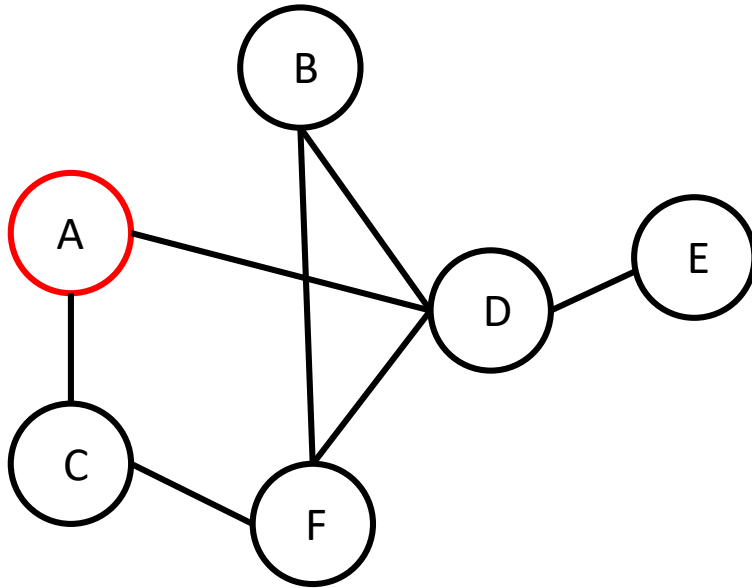
Arreglo de Pilas

1	2	3
A	B	E
C	D	
	F	

¿Su complejidad?

Su complejidad será $O(n^3)$, porque recorrer la matriz requiere un costo de $O(n^2)$, al evaluar las relaciones que tiene mi candidato a la solución, ese recorrido me va generar un costo computacional de n , al ser un ciclo anidado, este se multiplica con el costo anterior, para finalmente dar $O(n^3)$.

Solución Dinámica



Arreglo N Posiciones

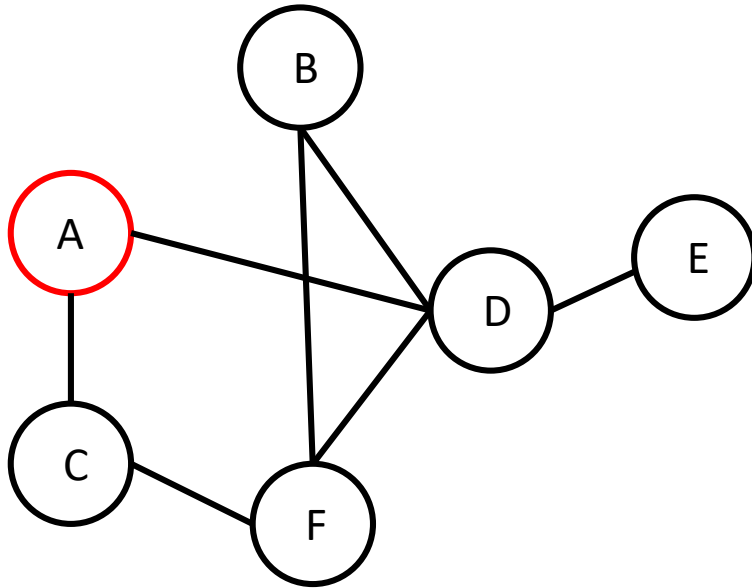
A	B	C	D	E	F
0	0	0	0	0	0



Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

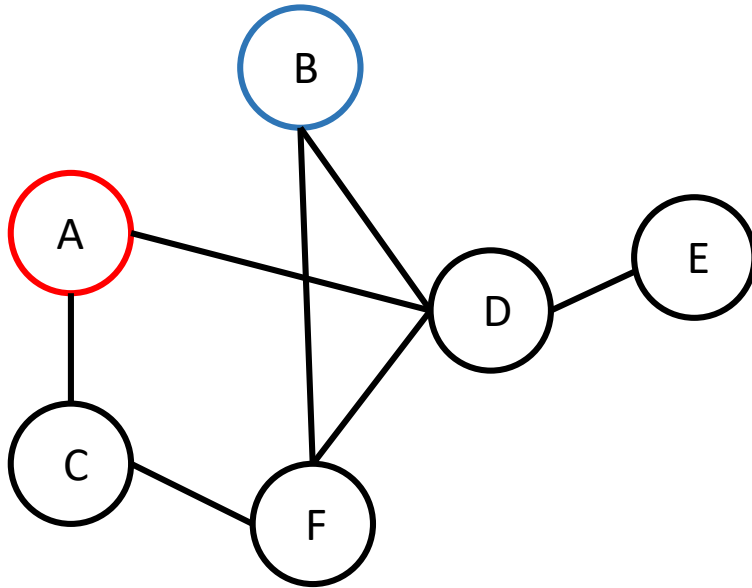
A	B	C	D	E	F
0	0	0	0	0	0



Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

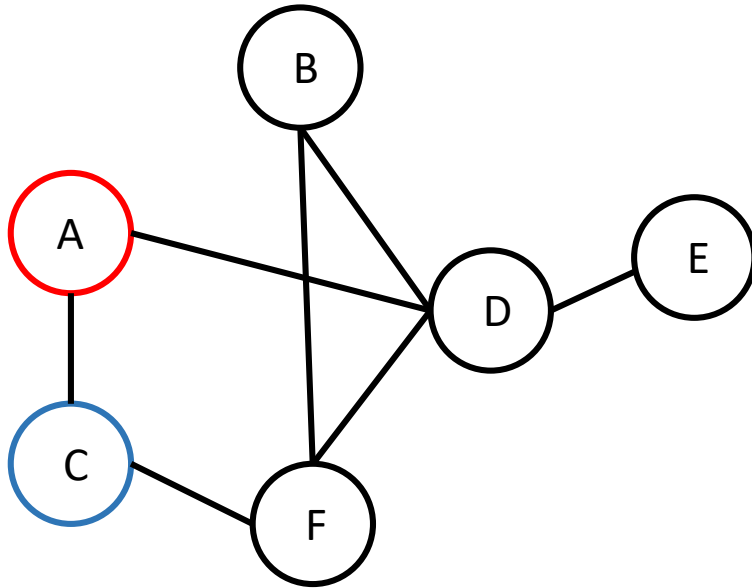
A	B	C	D	E	F
0	0	0	0	0	0



Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

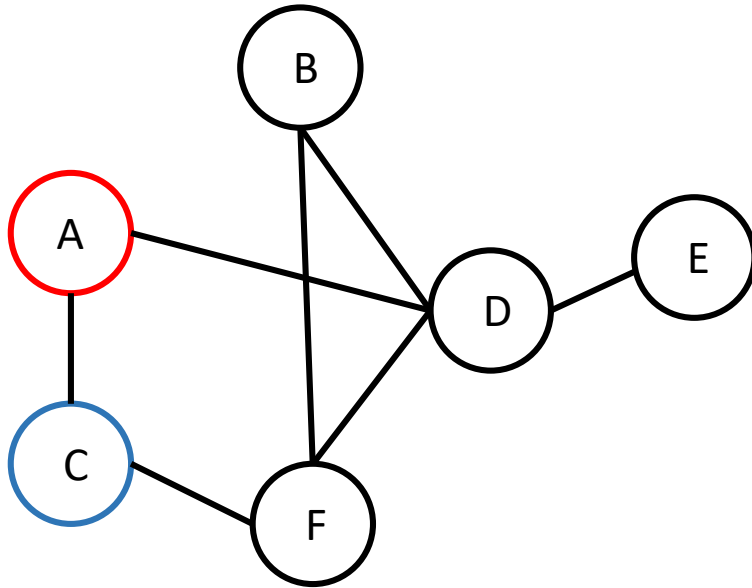
A	B	C	D	E	F
0	0	0	0	0	0



Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

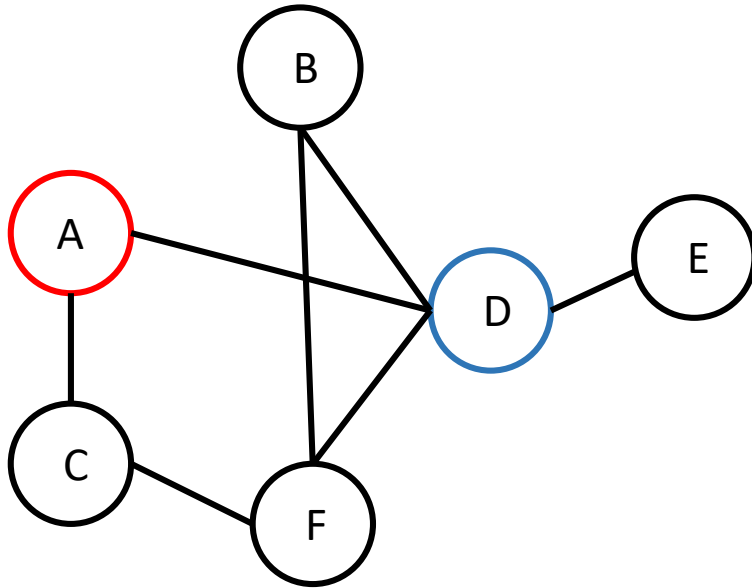
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

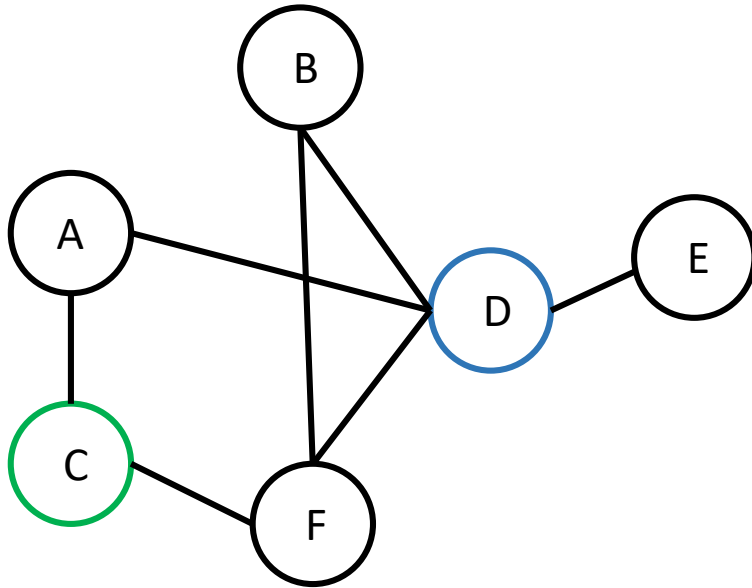
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

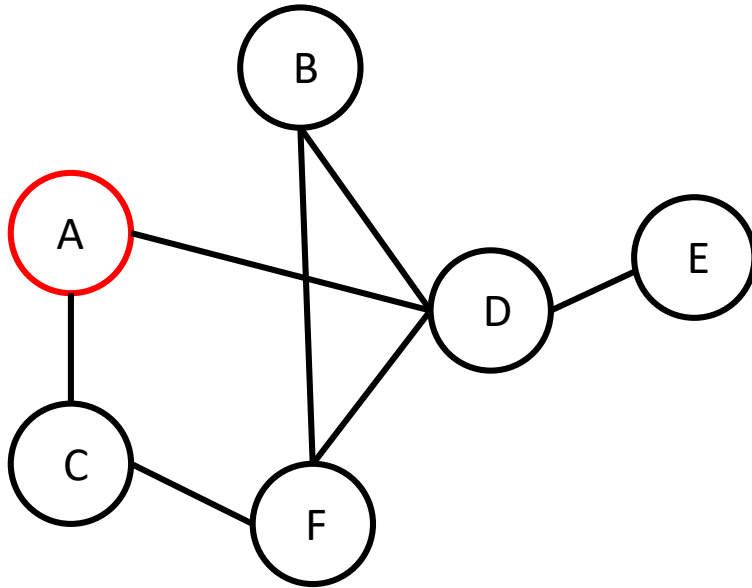
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

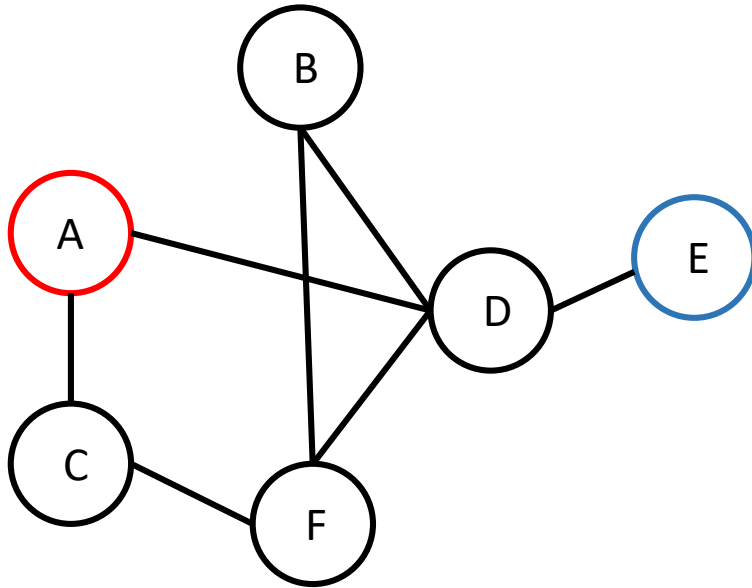
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

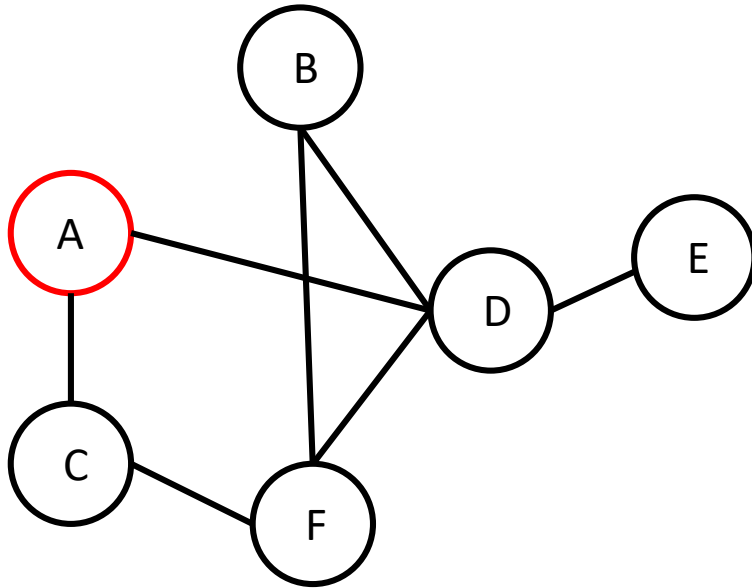
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

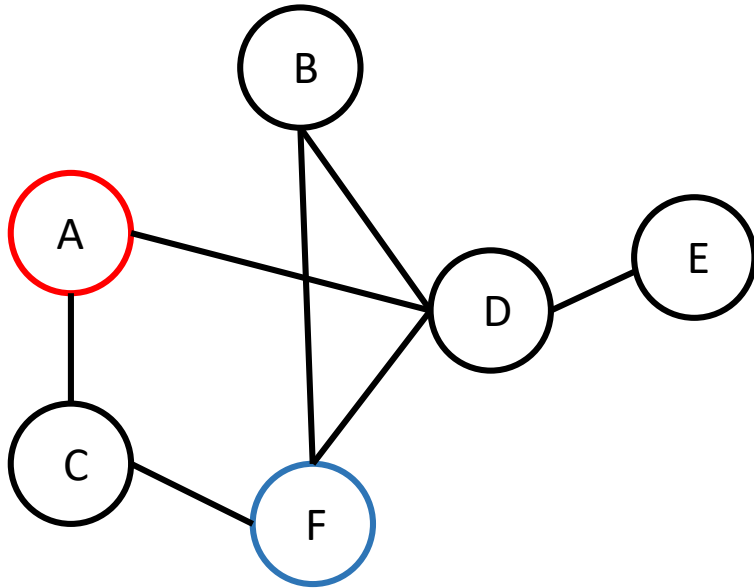
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

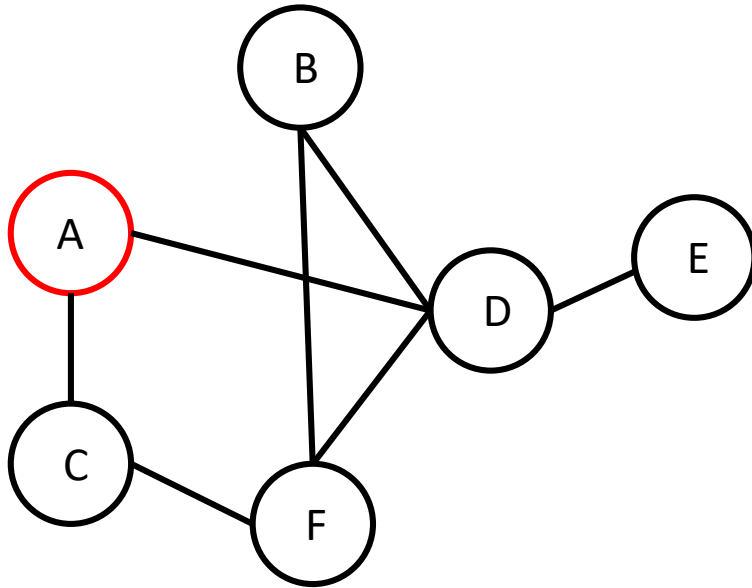
A	B	C	D	E	F
0	0	0	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

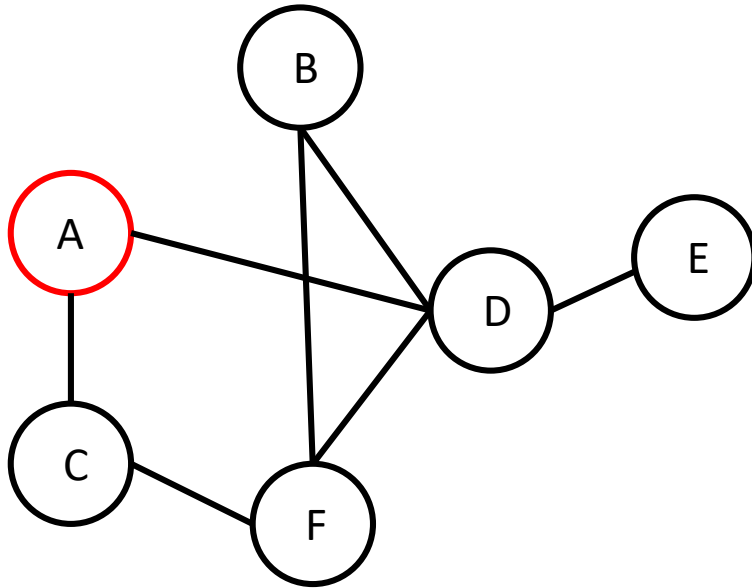
A	B	C	D	E	F
1	0	1	0	0	0

A	C		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

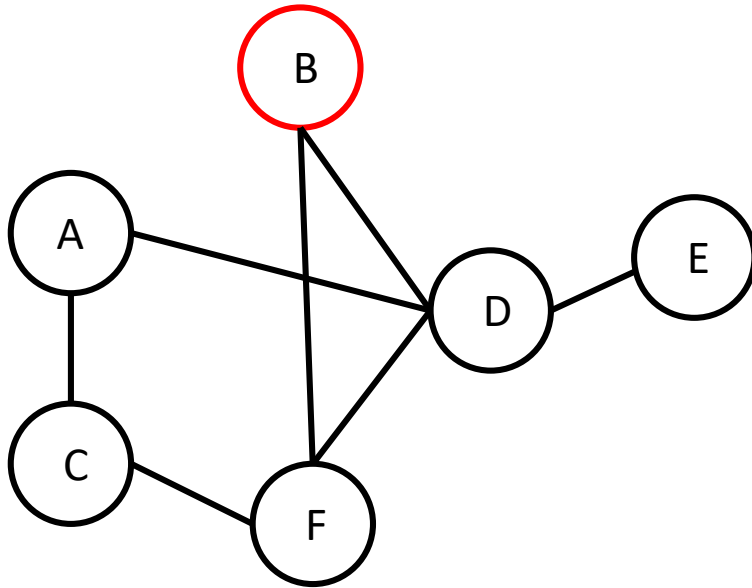
A	B	C	D	E	F
1	0	1	0	0	0



Vector (Estructura Auxiliar)

$$V = 1$$

Solución Dinámica



Arreglo N Posiciones

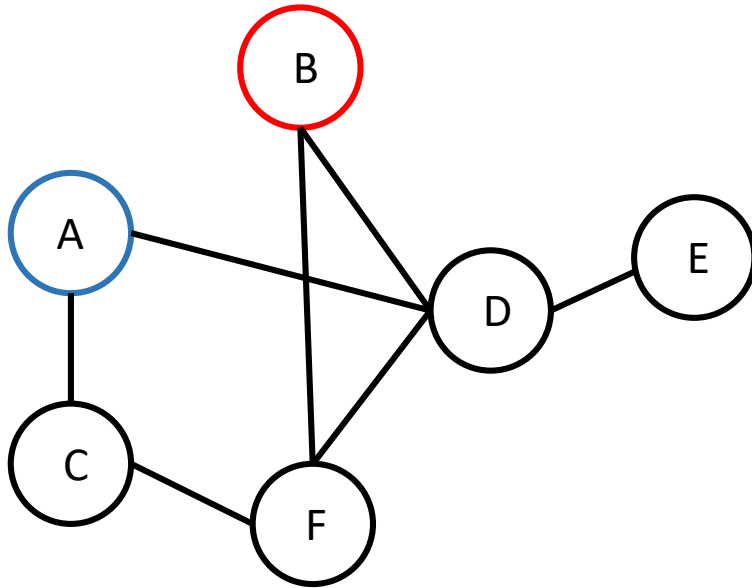
A	B	C	D	E	F
1	0	1	0	0	0



Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

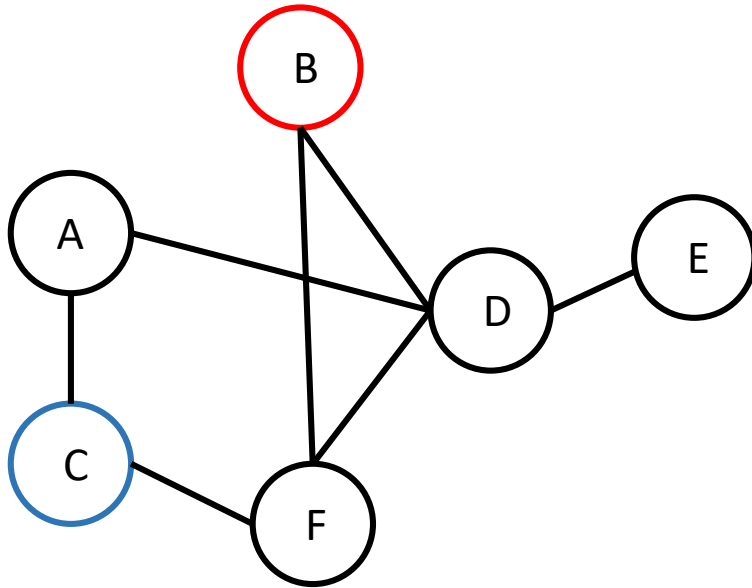
A	B	C	D	E	F
1	0	1	0	0	0



Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

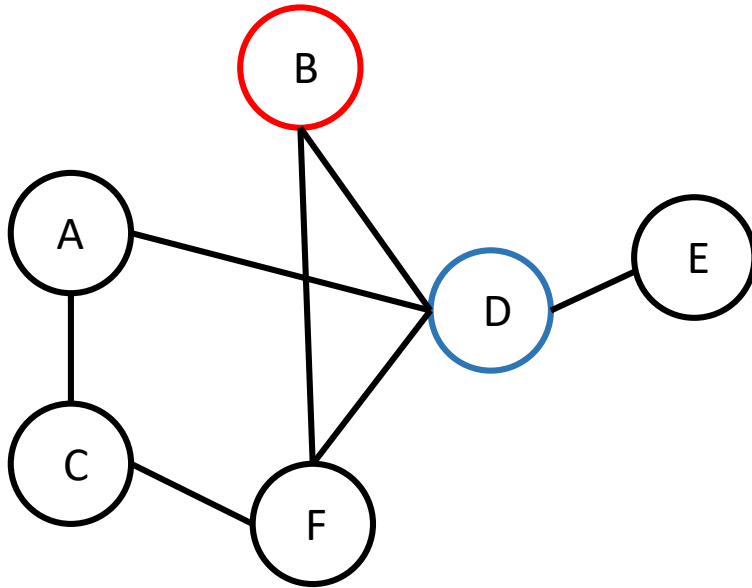
A	B	C	D	E	F
1	0	1	0	0	0



Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

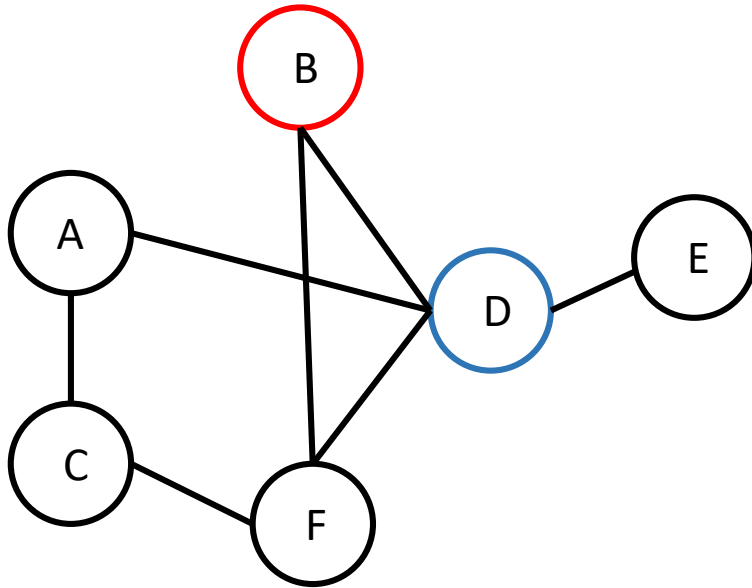
A	B	C	D	E	F
1	0	1	0	0	0



Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

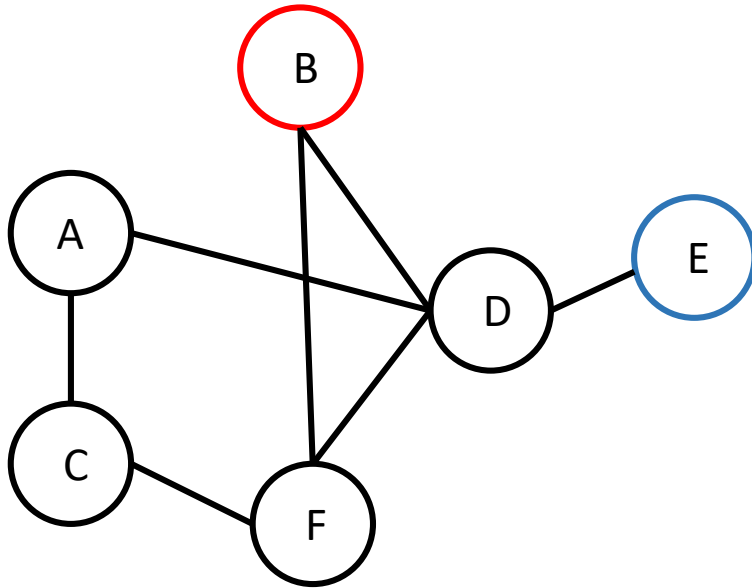
A	B	C	D	E	F
1	0	1	0	0	0

B	D		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

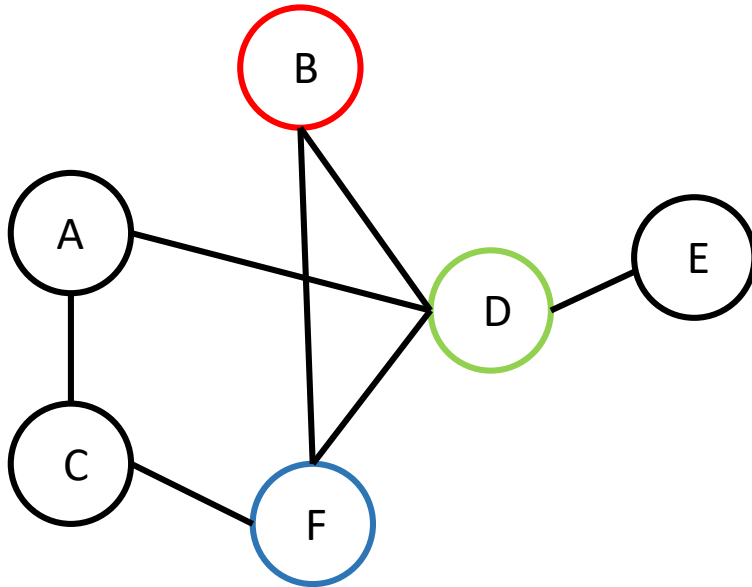
A	B	C	D	E	F
1	0	1	0	0	0

B	D		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

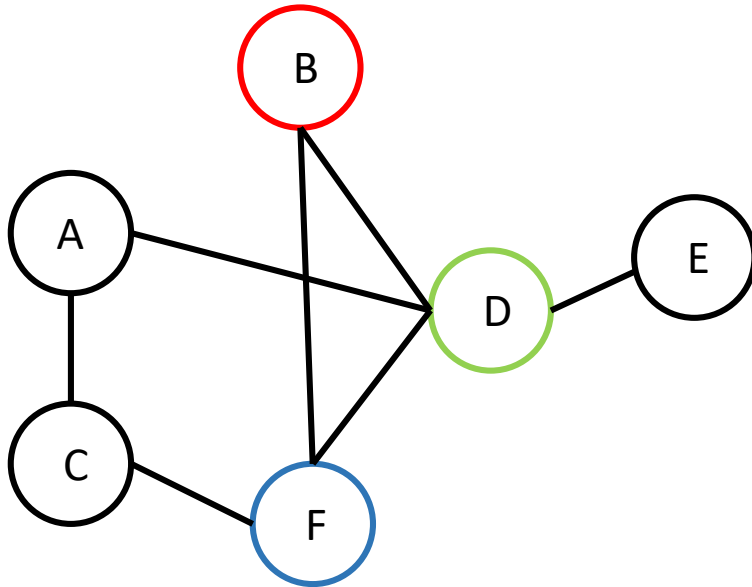
A	B	C	D	E	F
1	0	1	0	0	0

B	D		
---	---	--	--

Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

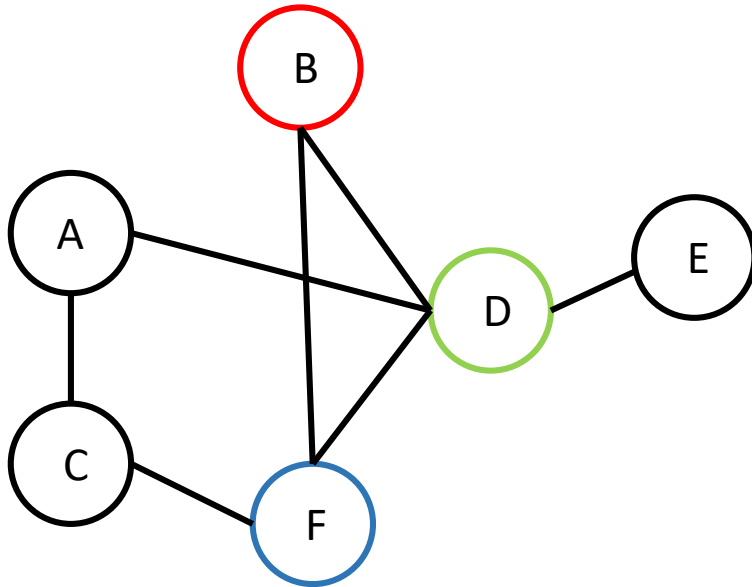
A	B	C	D	E	F
1	0	1	0	0	0

B	D	F	
---	---	---	--

Vector (Estructura Auxiliar)

$$V = 2$$

Solución Dinámica



Arreglo N Posiciones

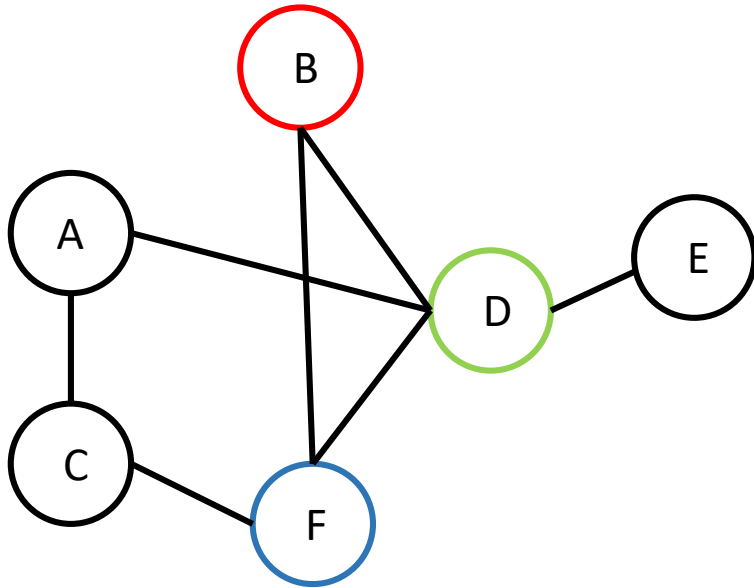
A	B	C	D	E	F
1	2	1	2	0	2

B	D	F	
---	---	---	--

Vector (Estructura Auxiliar)

$$V = 3$$

Solución Dinámica



Arreglo N Posiciones

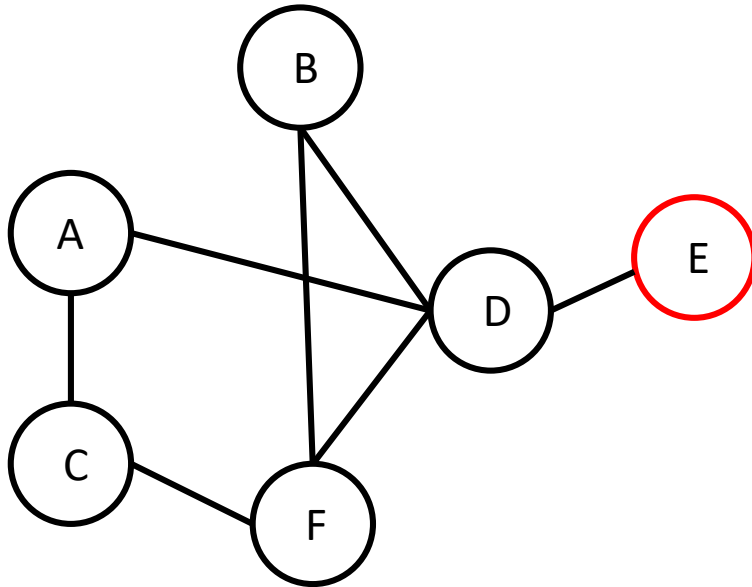
A	B	C	D	E	F
1	2	1	2	0	2



Vector (Estructura Auxiliar)

$$V = 3$$

Solución Dinámica



Arreglo N Posiciones

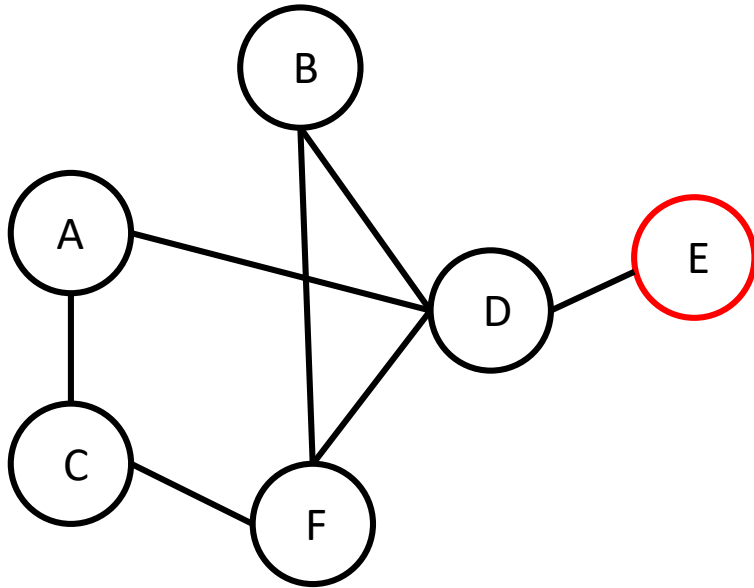
A	B	C	D	E	F
1	2	1	2	0	2



Vector (Estructura Auxiliar)

$$V = 3$$

Solución Dinámica



Arreglo N Posiciones

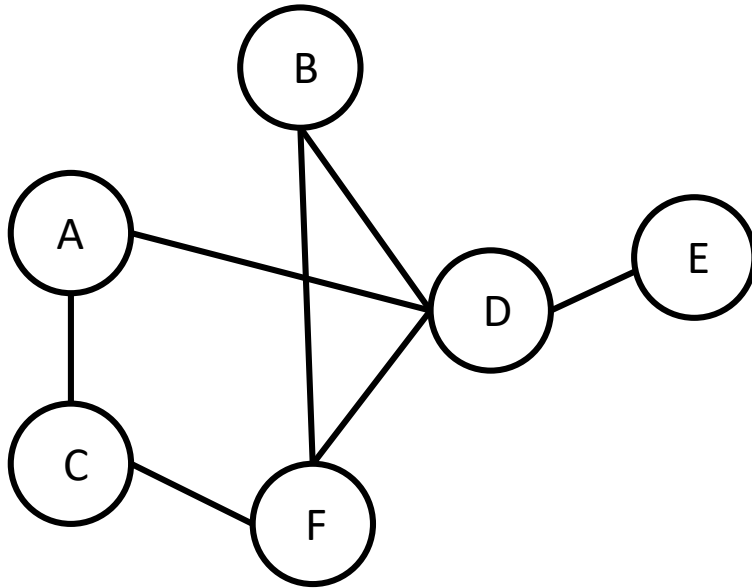
A	B	C	D	E	F
1	2	1	2	3	2



Vector (Estructura Auxiliar)

$$V = 3$$

Solución Dinámica



Arreglo N Posiciones

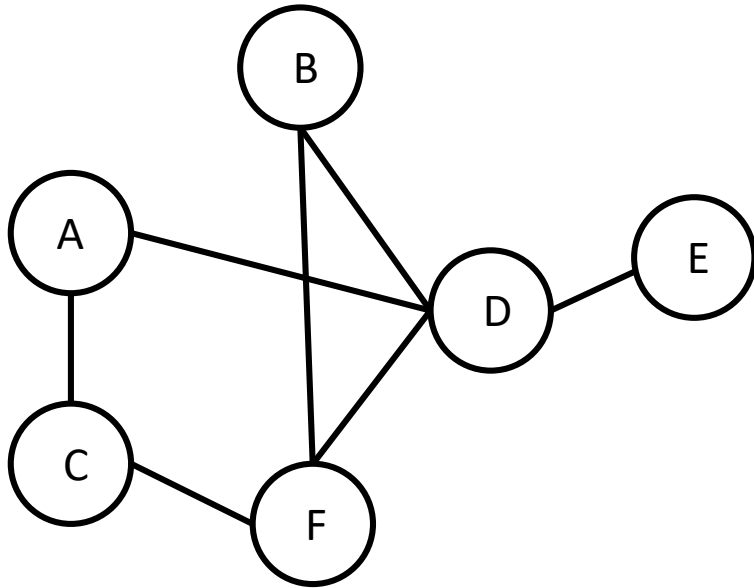
A	B	C	D	E	F
1	2	1	2	3	2



Vector (Estructura Auxiliar)

$$V = 3$$

Solución Dinámica



Arreglo N Posiciones

A	B	C	D	E	F
1	2	1	2	3	2

Villa1	Villa 2	Villa 3
A	B	E
C	D	
	F	

¿Su complejidad?

Su complejidad será $O(n^2)$, el costo computacional al recorrer el arreglo será de n , al momento de ingresar un elemento en la memoria temporal y recorrer esa memoria para saber si puede ir o no con los demás elementos en esa memoria temporal, tendrá un costo computacional de n , al ingresar los datos de la memoria temporal al arreglo, este será lineal, porque se asignara uno a uno sin hacer comparaciones, finalmente al ser ciclos anidados tendrá complejidad $O(n^2)$.

Muchas Gracias