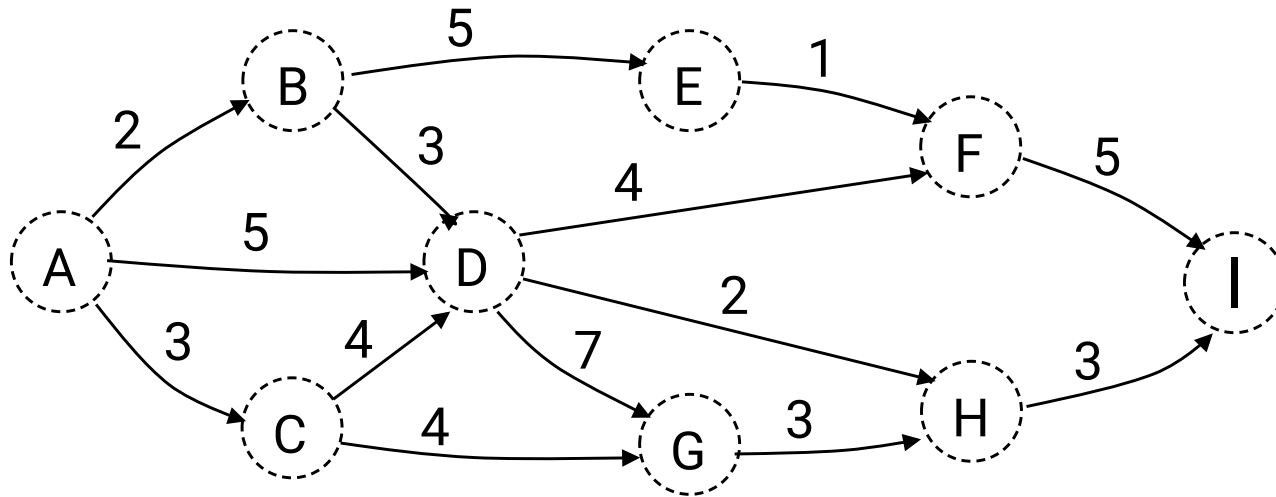
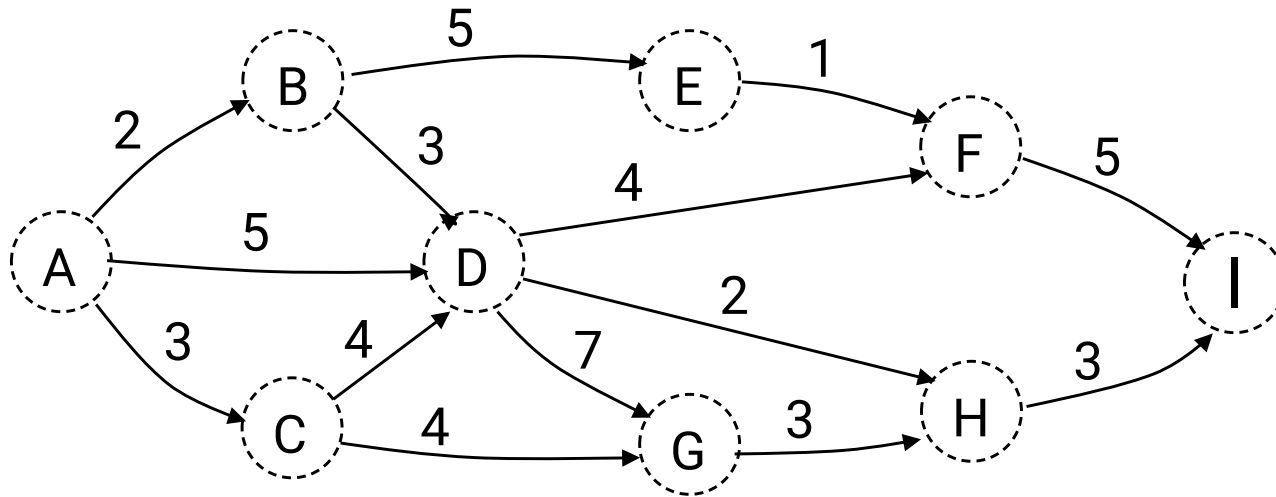


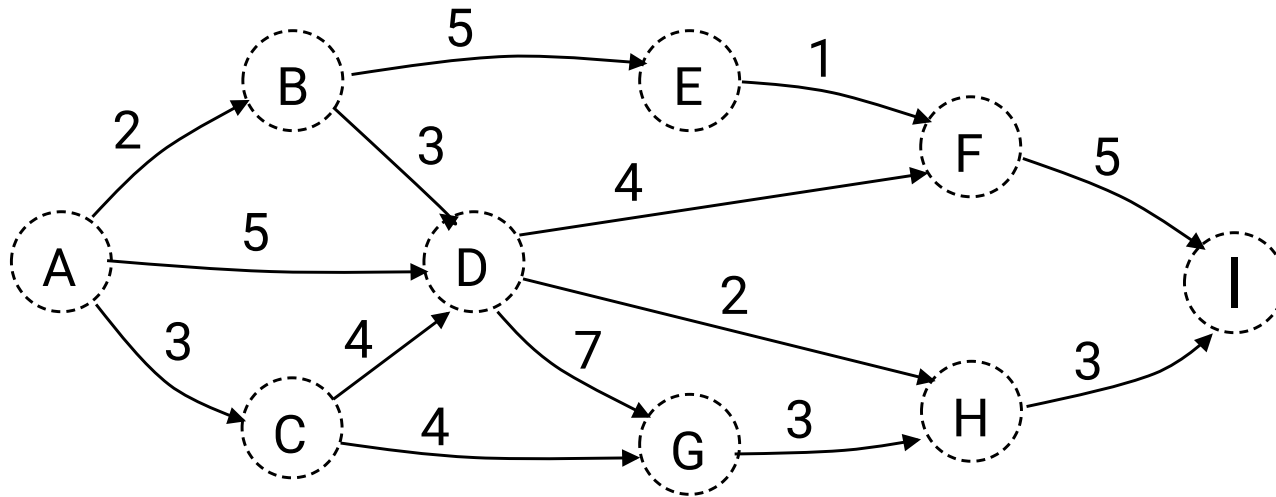
Exercice 1 (DEMOUCRON)





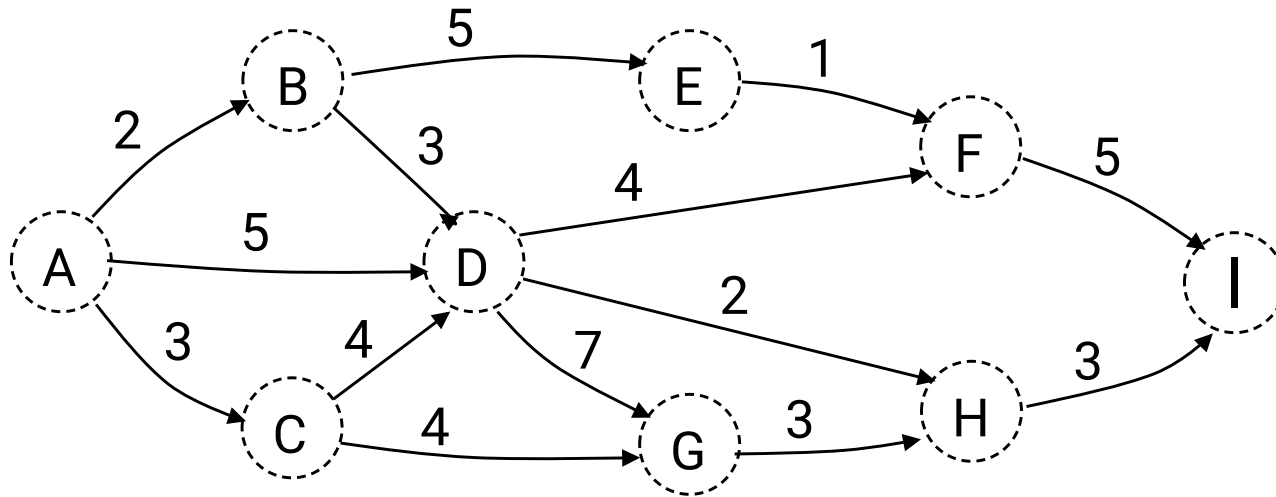
	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_1



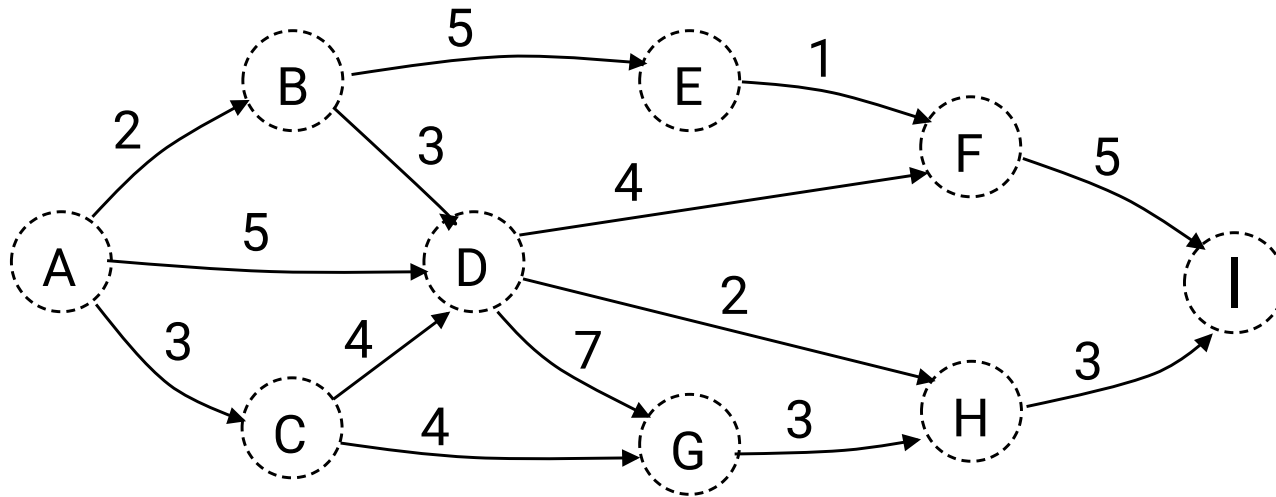
	B	C	D	E	F	G	H	I
A	2							
B								
C								
D								
E								
F								
G								
H								

Matrice D_1



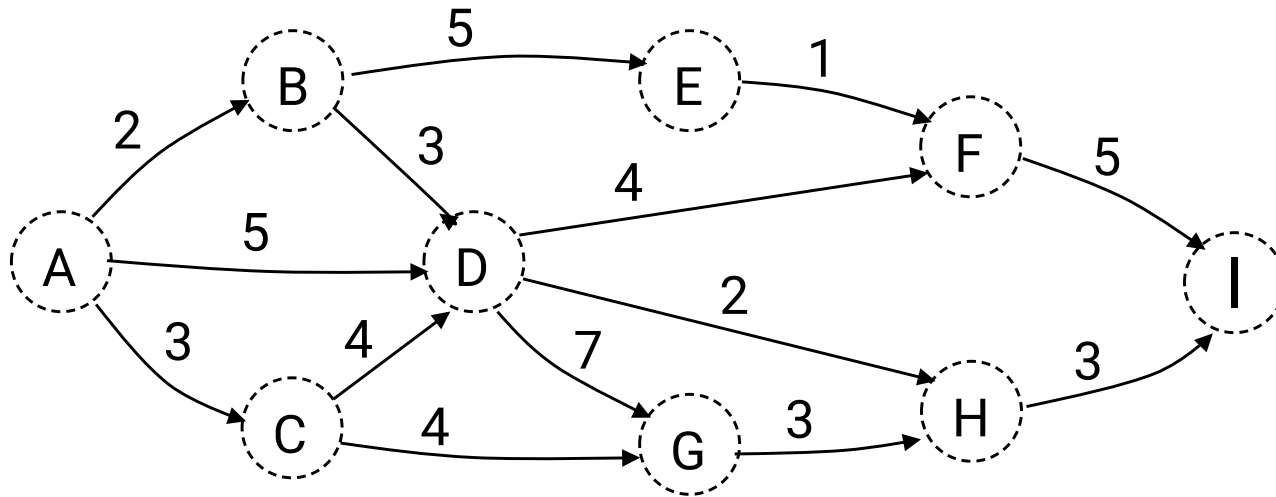
	B	C	D	E	F	G	H	I
A	2	3						
B								
C								
D								
E								
F								
G								
H								

Matrice D_1



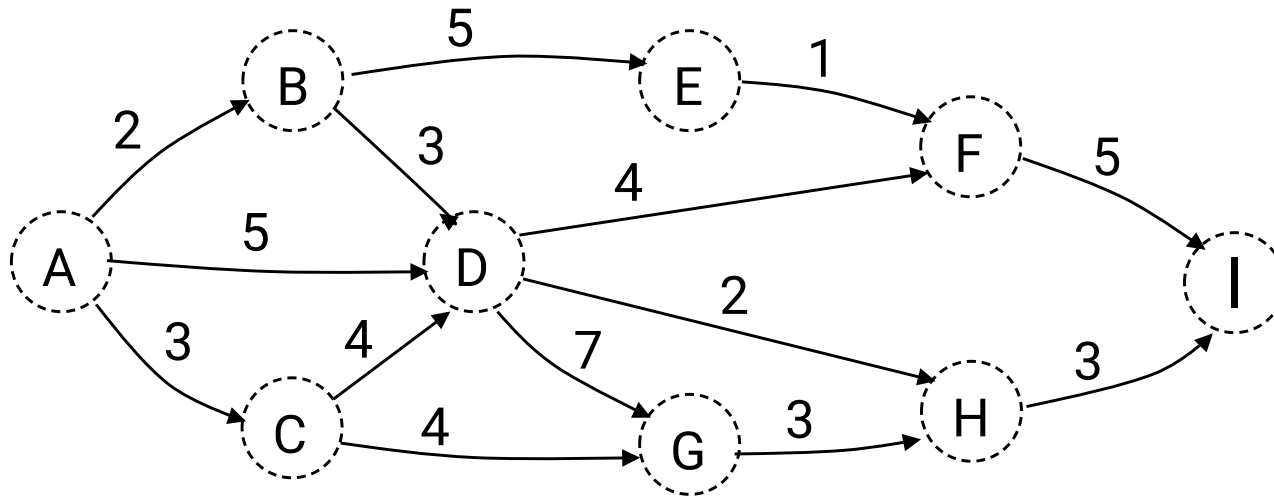
	B	C	D	E	F	G	H	I
A	2	3	5					
B								
C								
D								
E								
F								
G								
H								

Matrice D_1



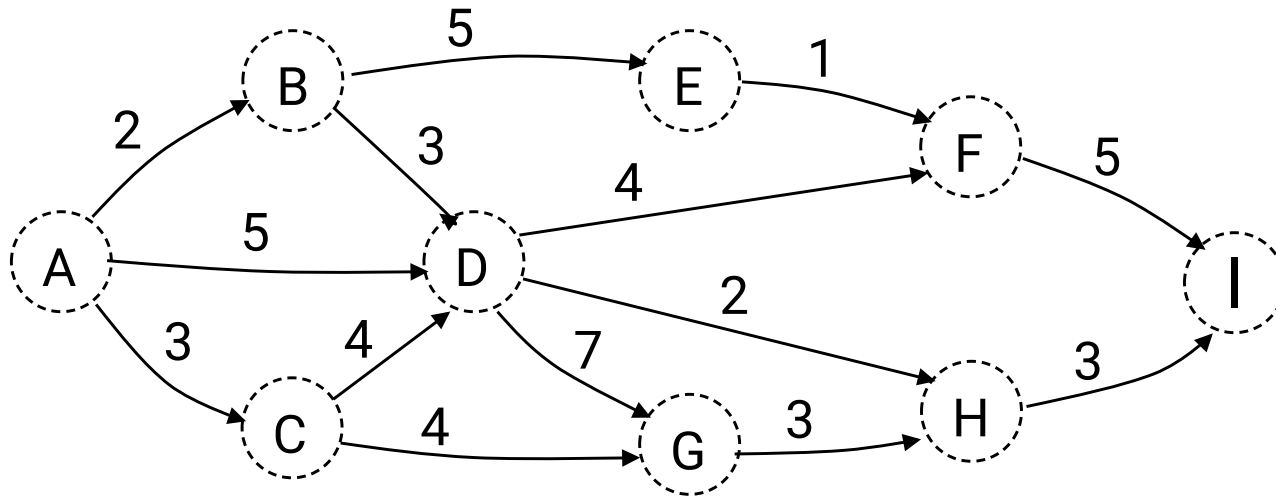
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3					
C								
D								
E								
F								
G								
H								

Matrice D_1



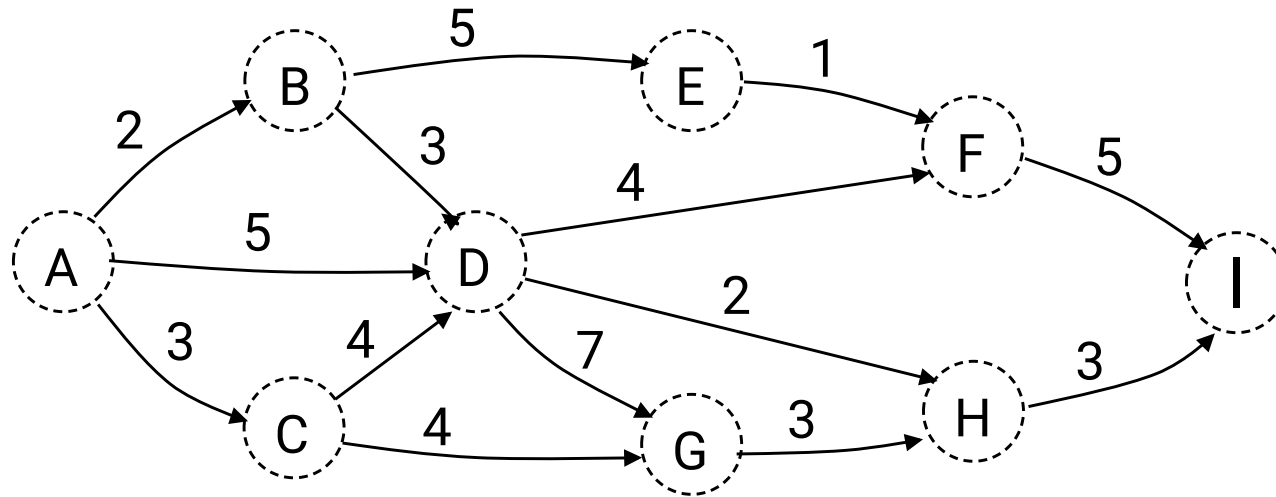
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C								
D								
E								
F								
G								
H								

Matrice D_1



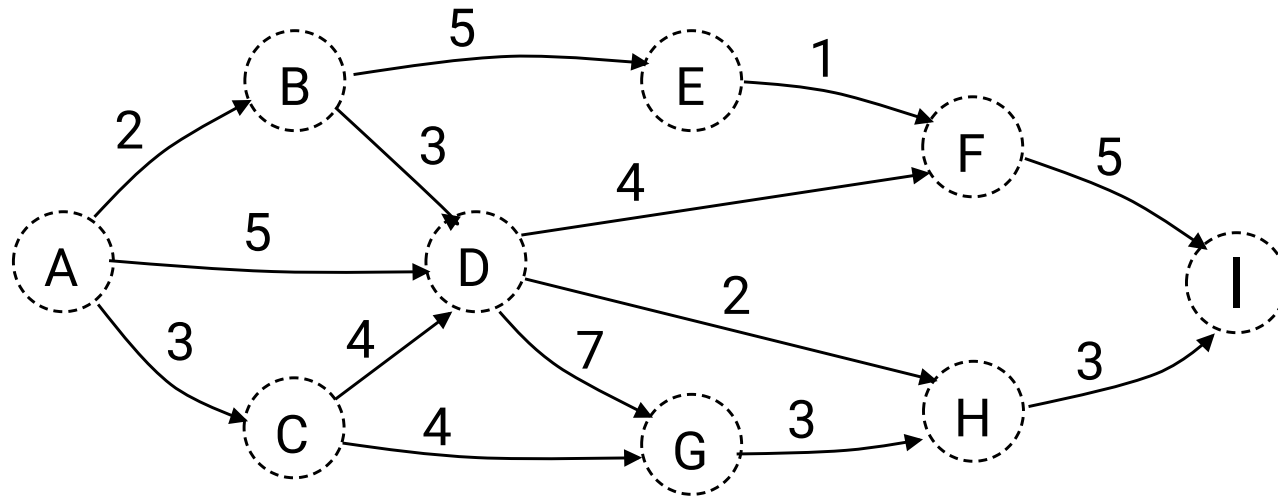
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4					
D								
E								
F								
G								
H								

Matrice D_1



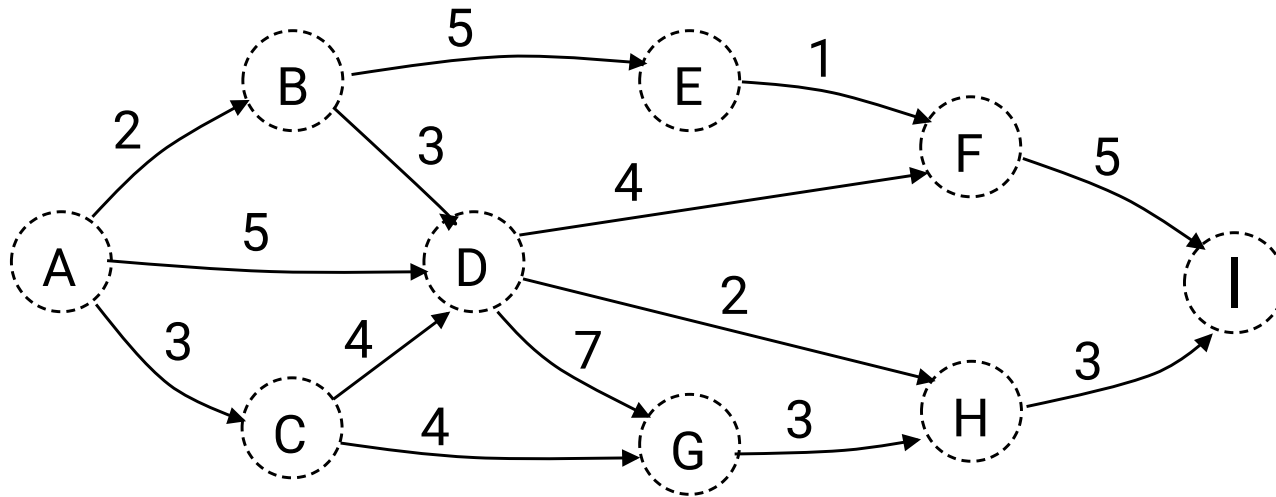
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D								
E								
F								
G								
H								

Matrice D_1



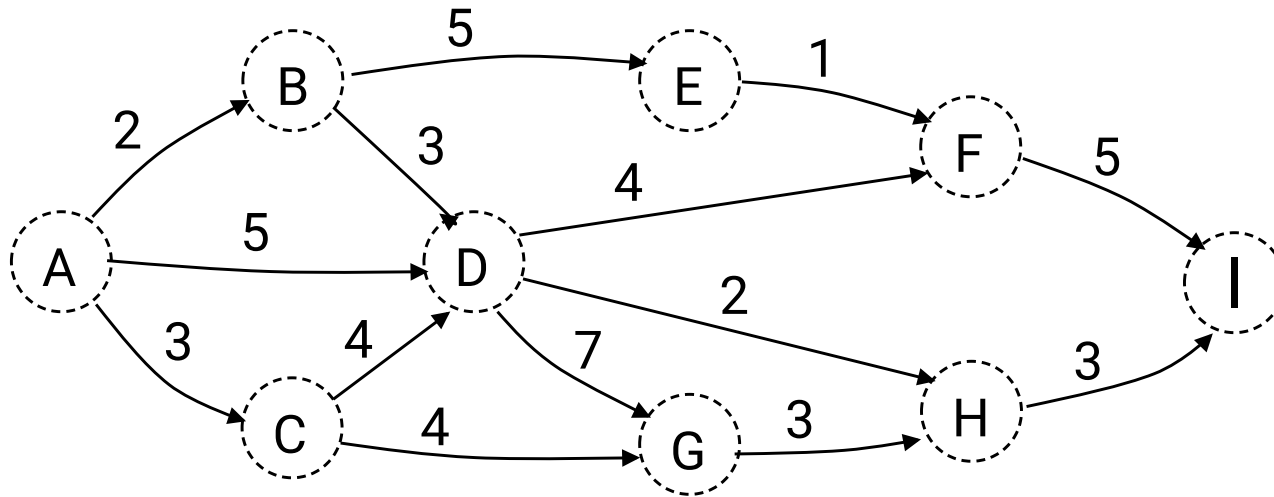
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4			
E								
F								
G								
H								

Matrice D_1



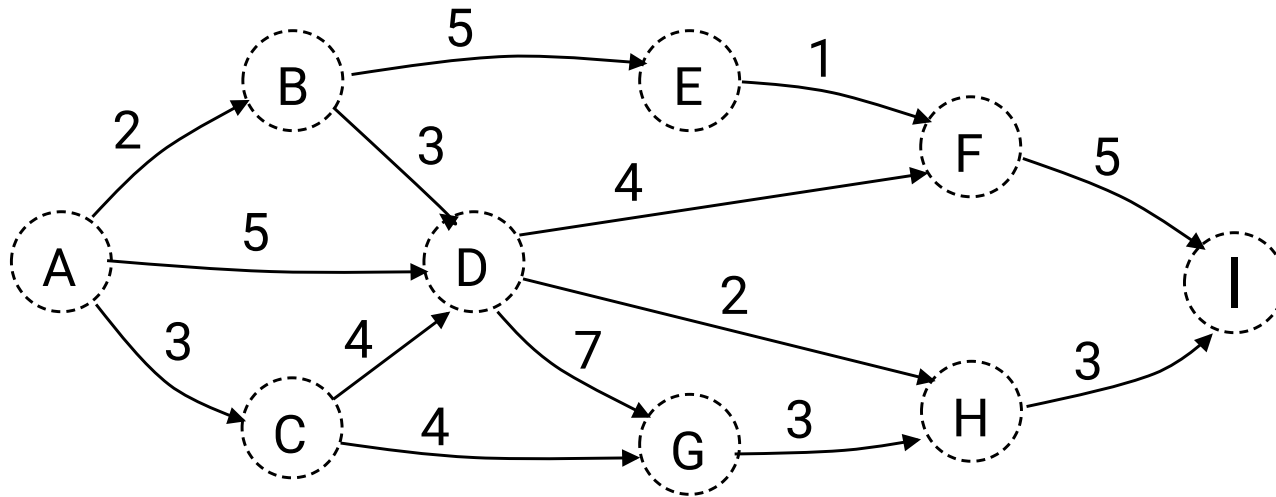
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7		
E								
F								
G								
H								

Matrice D_1



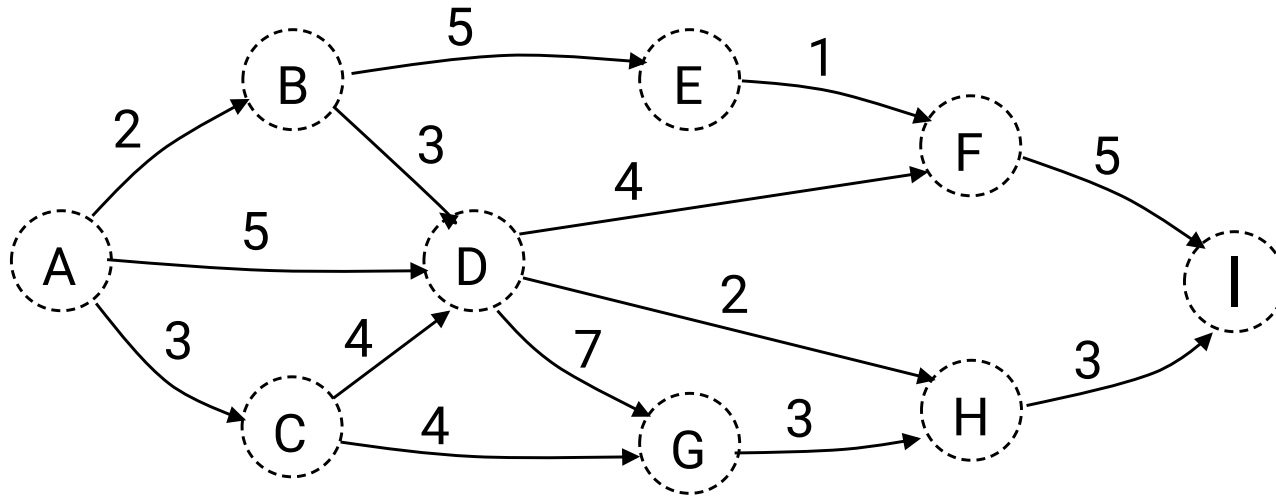
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E								
F								
G								
H								

Matrice D_1



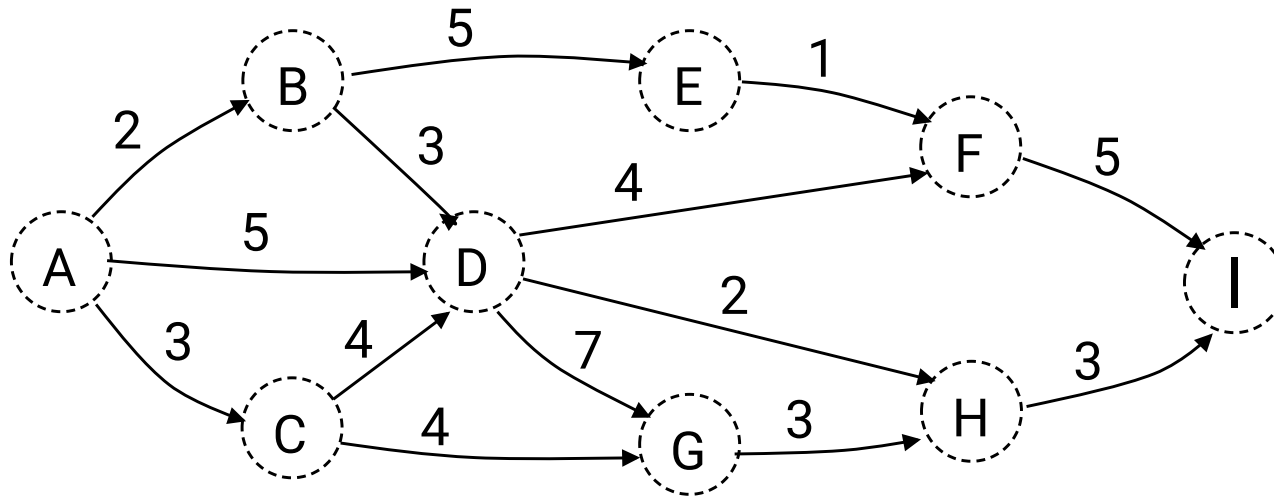
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								
G								
H								

Matrice D_1



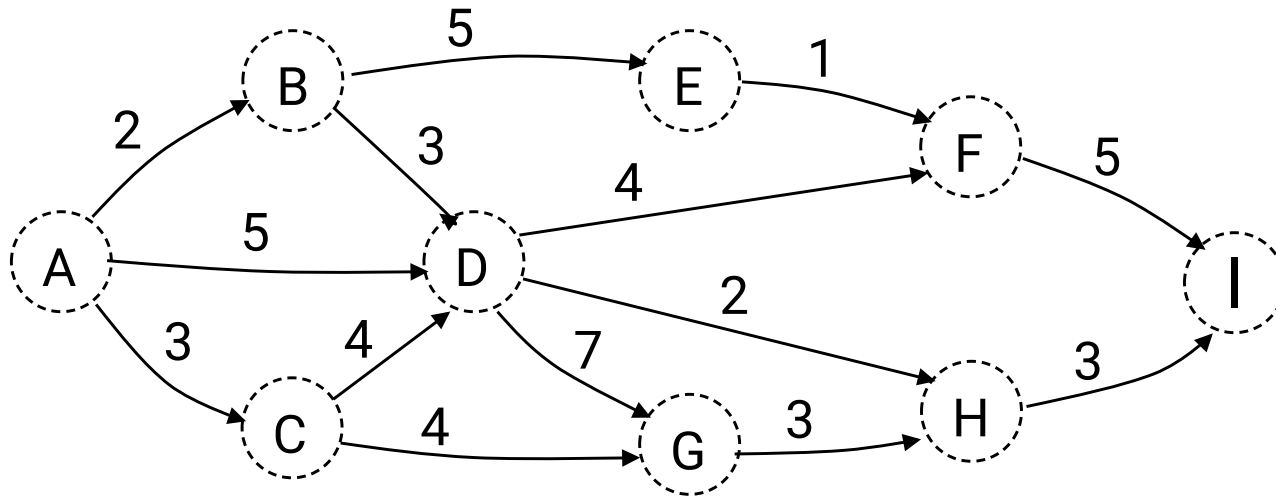
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G								
H								

Matrice D_1



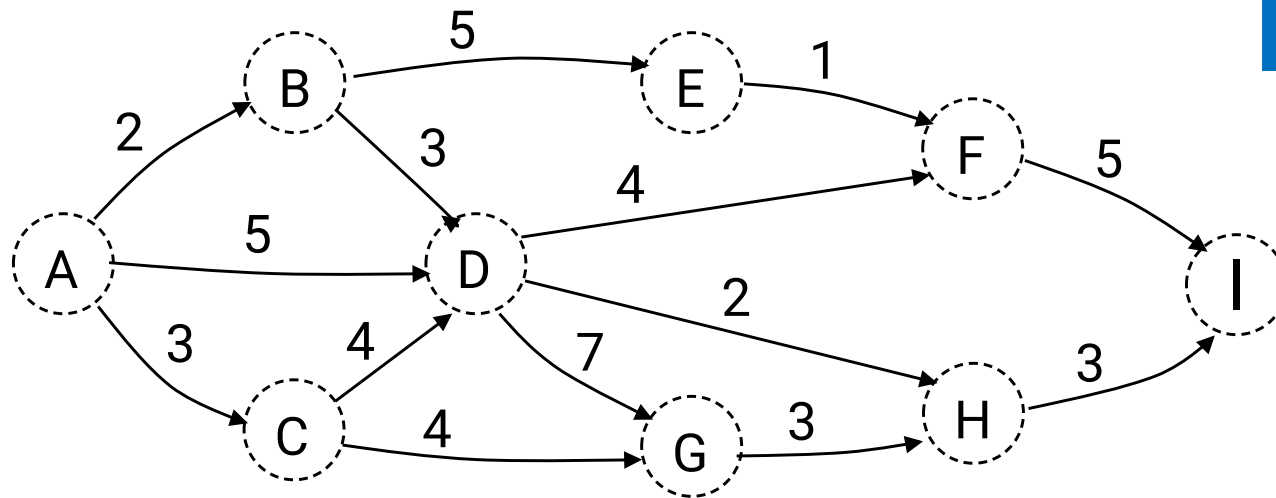
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								

Matrice D_1



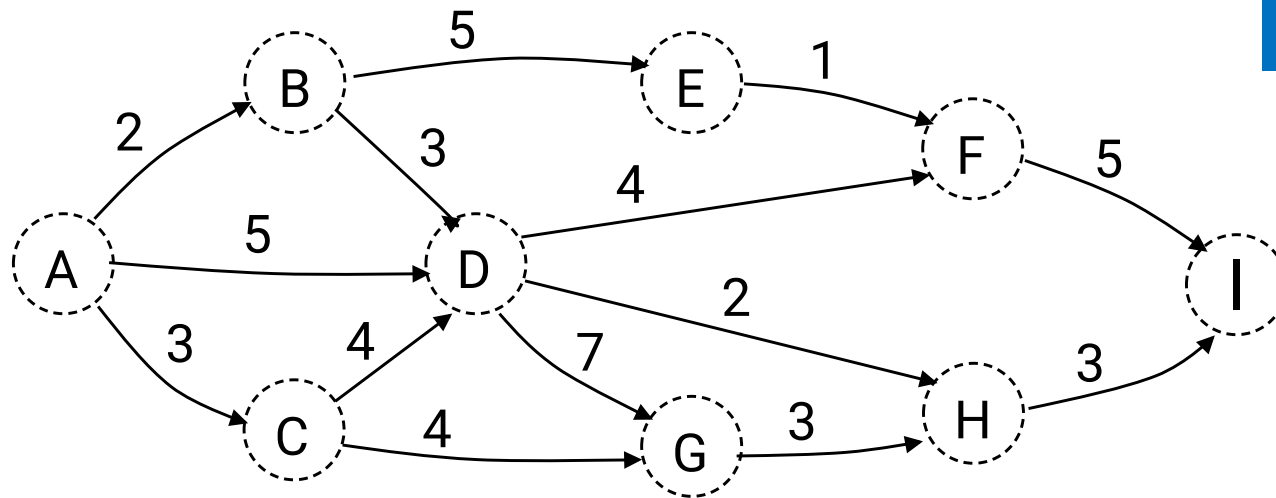
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

 $k = B$

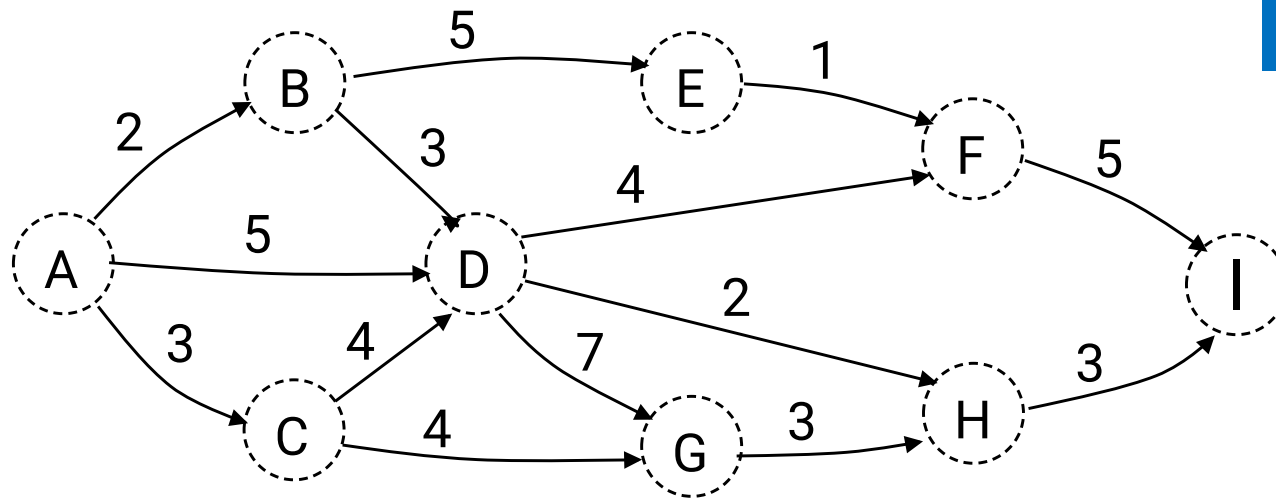
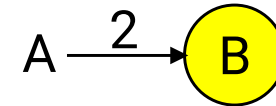
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

 $k = B$ **B**

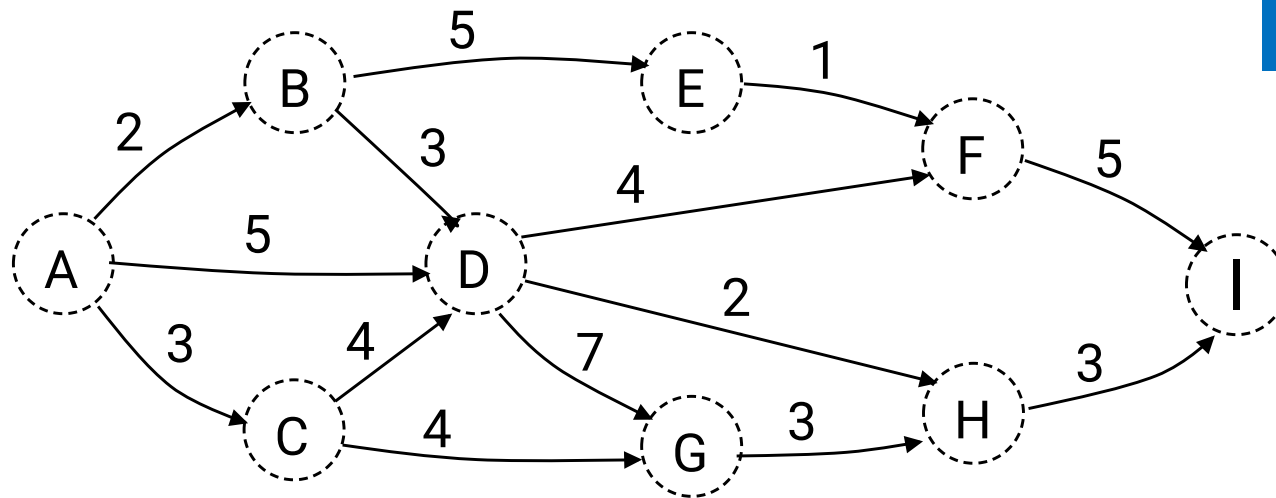
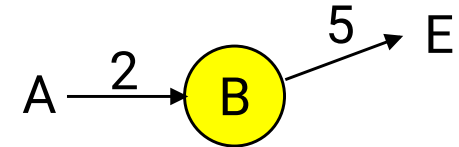
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

 $k = B$ 

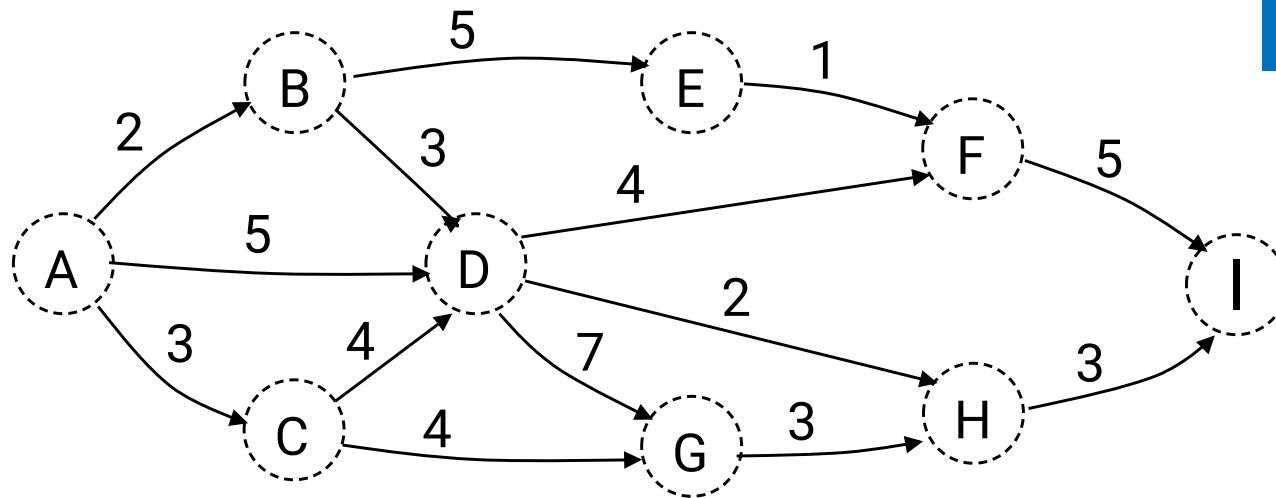
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

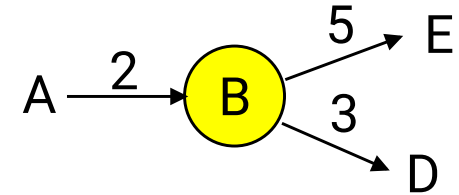
 $k = B$ 

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

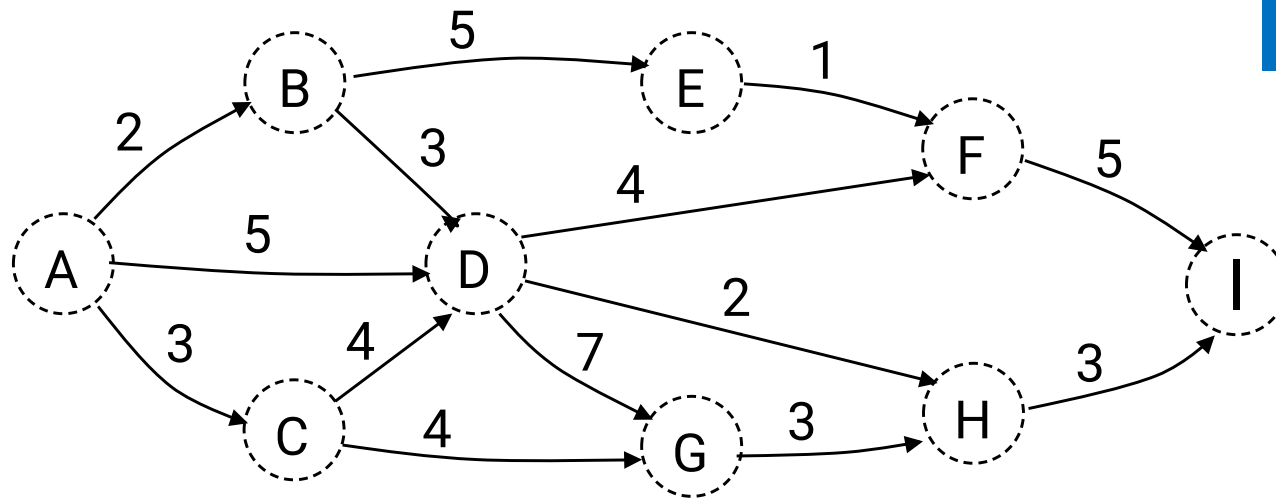
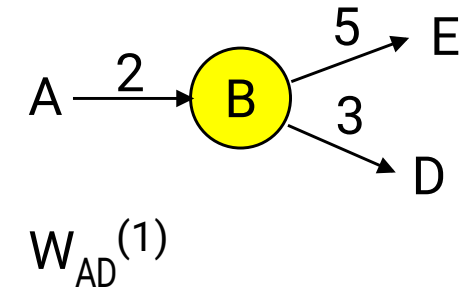


k = B



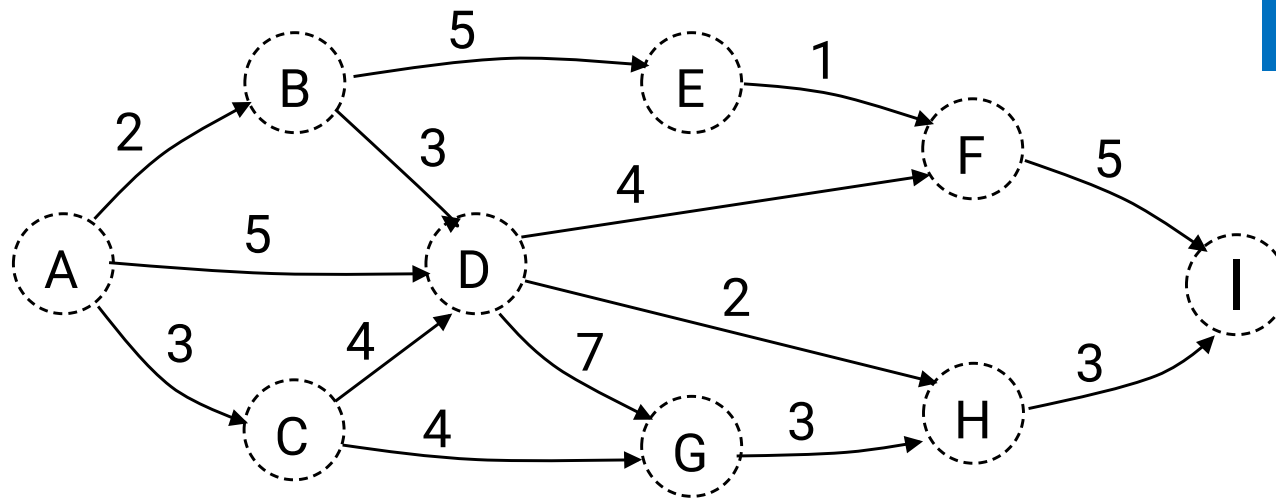
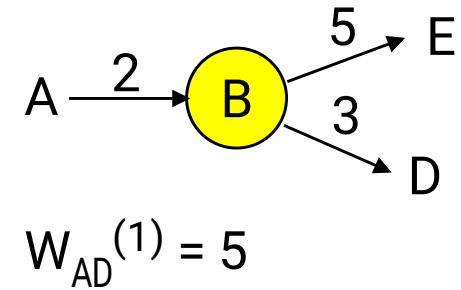
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1


 $k = B$


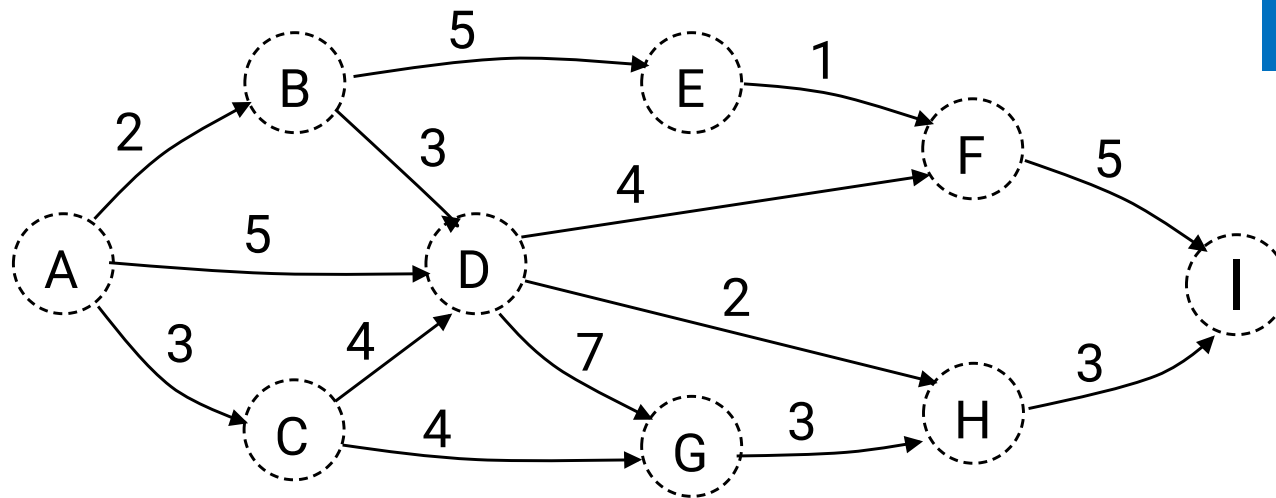
	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

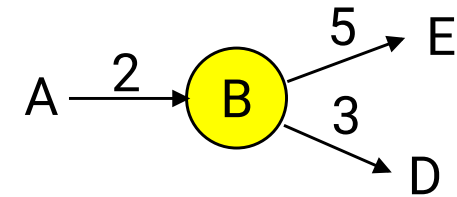

 $k = B$


	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1



k = B

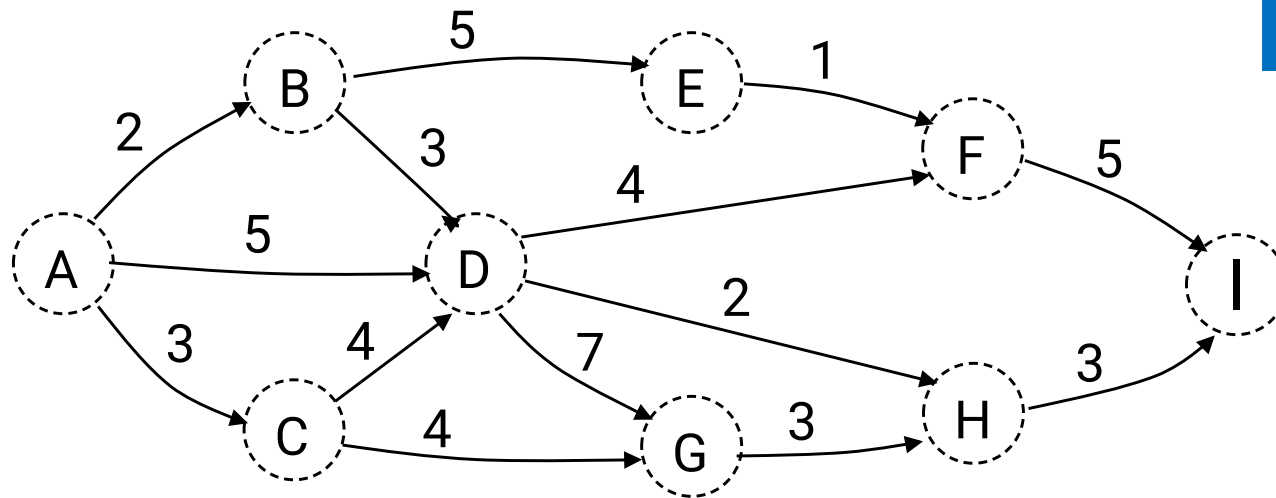


$$W_{AD}^{(1)} = 5$$

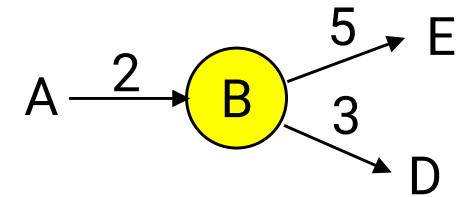
$$W_{AE}^{(1)}$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1



k = B

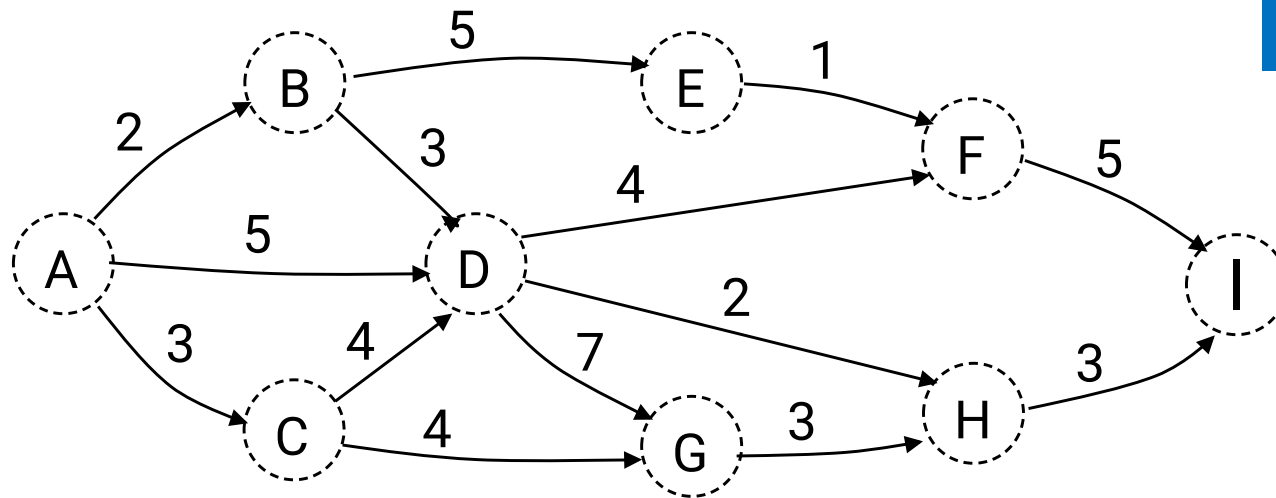


$$W_{AD}^{(1)} = 5$$

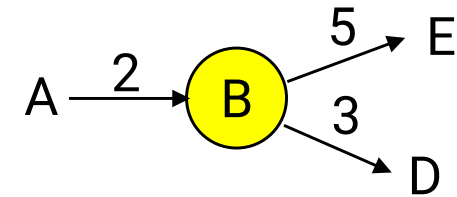
$$W_{AE}^{(1)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1



$k = B$



$$W_{AD}^{(1)} = 5$$

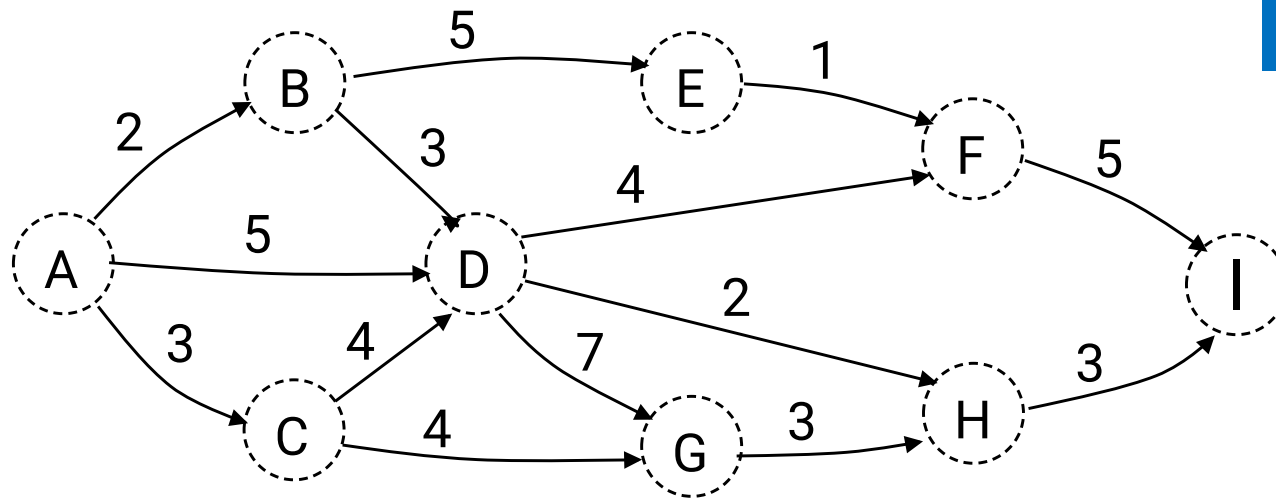
$$W_{AE}^{(1)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

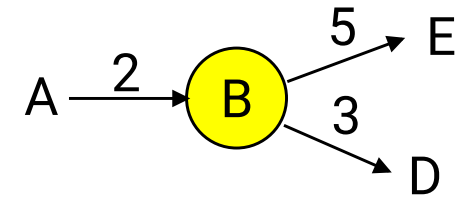
Matrice D_1

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_2



k = B



$$W_{AD}^{(1)} = 5$$

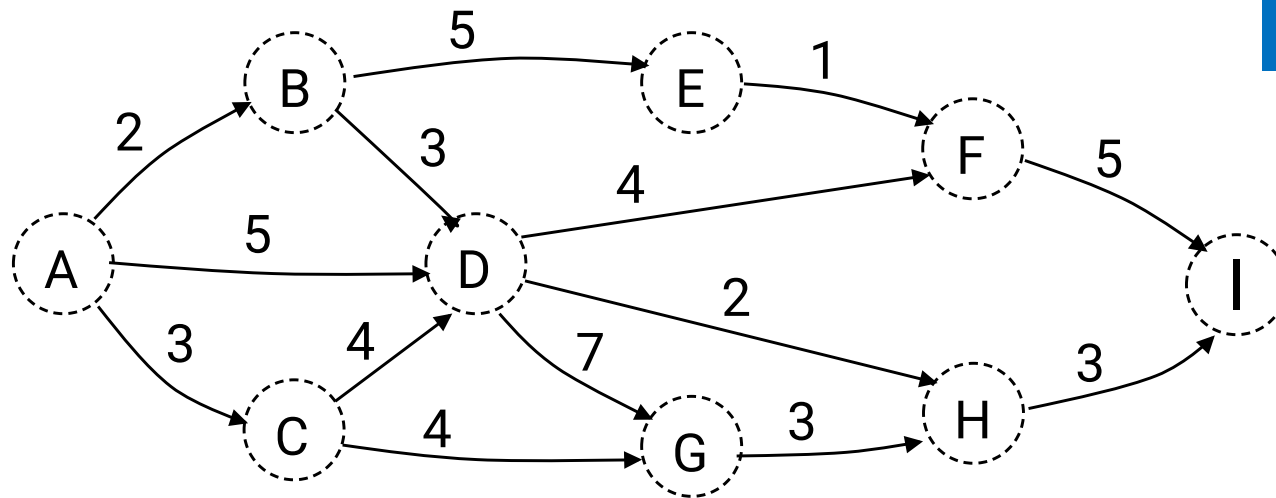
$$W_{AE}^{(1)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

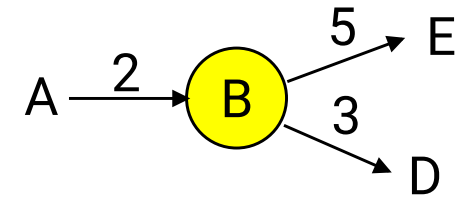
Matrice D_1

	B	C	D	E	F	G	H	I
A			5					
B								
C								
D								
E								
F								
G								
H								

Matrice D_2



$k = B$



$$W_{AD}^{(1)} = 5$$

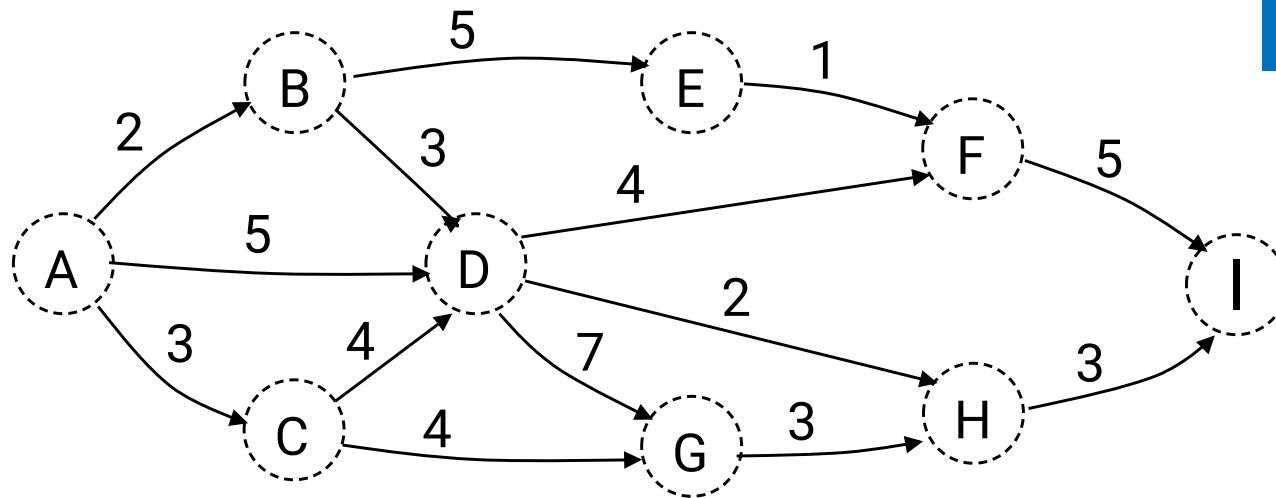
$$W_{AE}^{(1)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

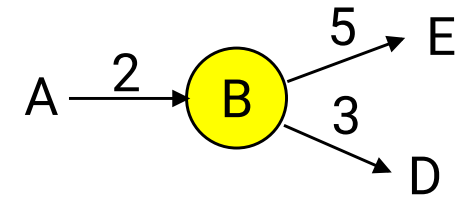
Matrice D_1

	B	C	D	E	F	G	H	I
A			5	7				
B								
C								
D								
E								
F								
G								
H								

Matrice D_2



k = B



$$W_{AD}^{(1)} = 5$$

$$W_{AE}^{(1)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5					
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_1

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$$k = C$$

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

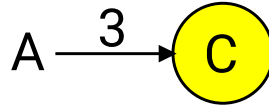
$$k = C$$

C

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

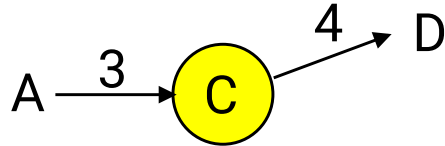
$$k = C$$



	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

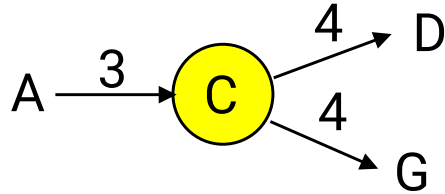
Matrice D_2

$$k = C$$



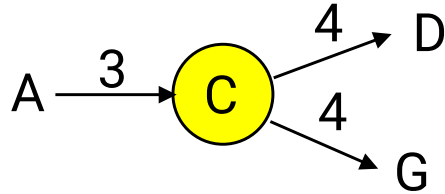
	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = C$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

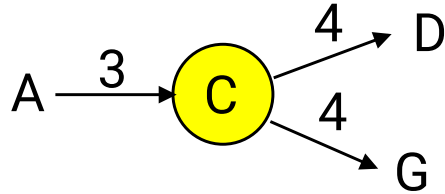
Matrice D_2

$k = C$ 

$$W_{AD}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = C$ 

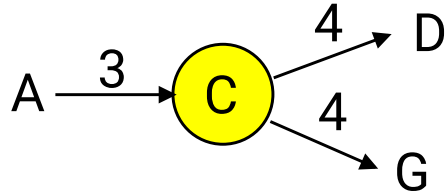
$$W_{AD}^{(2)} = 7$$

$$W_{AG}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$$k = C$$



$$W_{AD}^{(2)} = 7$$

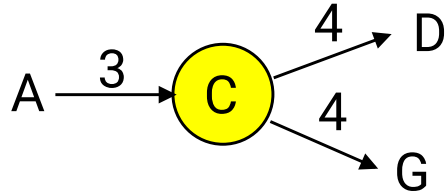
$$W_{AG}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_3

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = C$ 

$$W_{AD}^{(2)} = 7$$

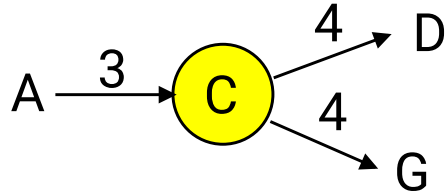
$$W_{AG}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A			5					
B								
C								
D								
E								
F								
G								
H								

Matrice D_3

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = C$ 

$$W_{AD}^{(2)} = 7$$

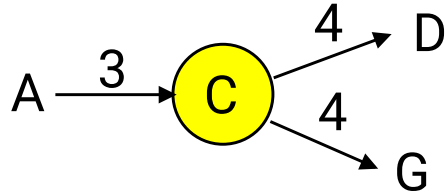
$$W_{AG}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A			5			7		
B								
C								
D								
E								
F								
G								
H								

Matrice D_3

	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = C$ 

$$W_{AD}^{(2)} = 7$$

$$W_{AG}^{(2)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

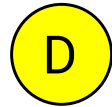
	B	C	D	E	F	G	H	I
A	2	3	5	7				
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_2

$k = D$

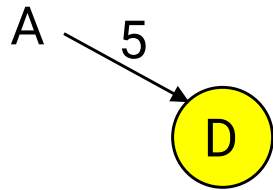
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

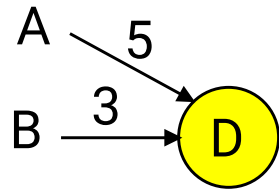
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

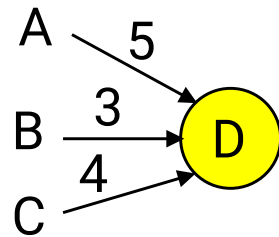
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

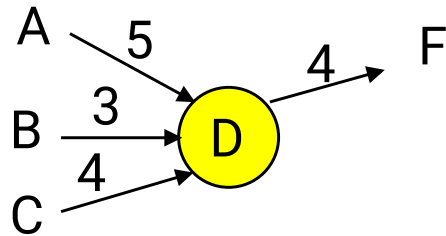
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

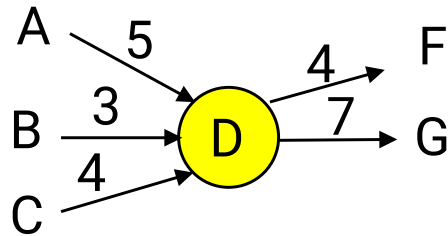
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

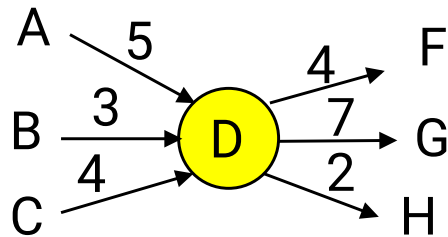
	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

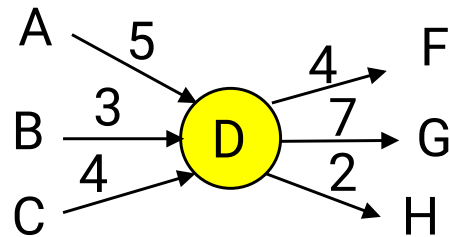
Matrice D_3

$k = D$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

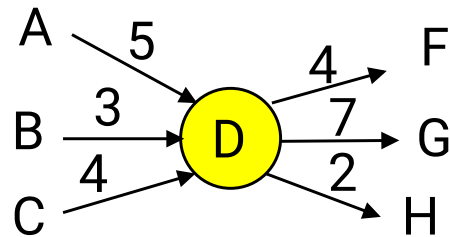
Exercice 1 (DEMOUCRON)

 $k = D$ 

$$W_{AF}^{(3)} = 9$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

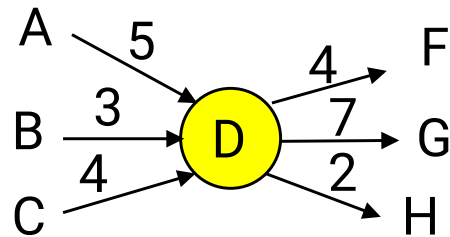
$k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

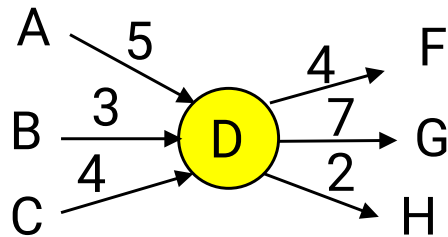
$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

$$W_{AF}^{(3)} = 9$$

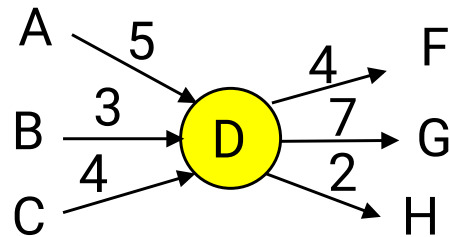
$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

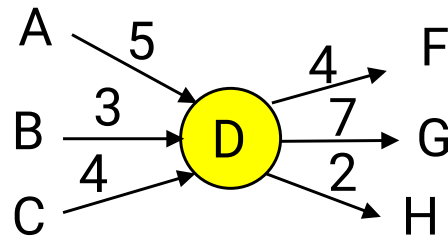
$$W_{BG}^{(3)} = 10$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

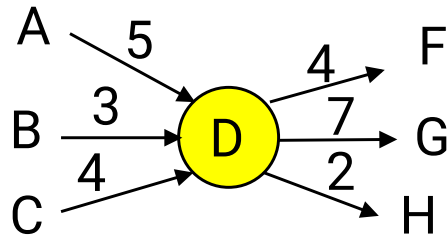
$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

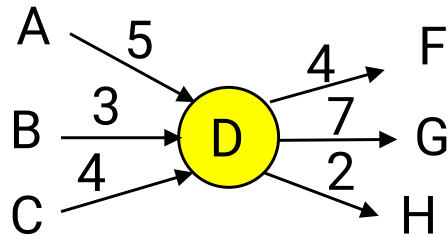
$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

Exercice 1 (DEMOUCRON)

 $k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

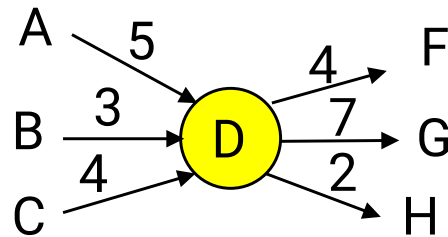
$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

$k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

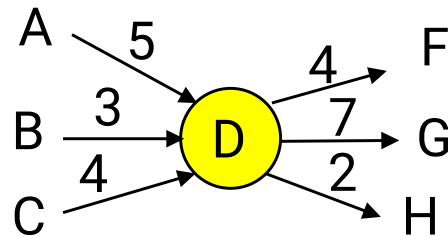
$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

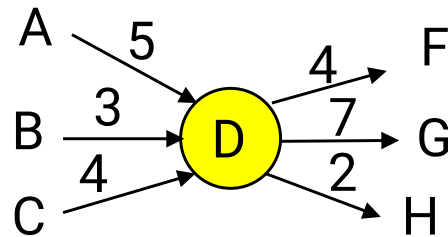
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

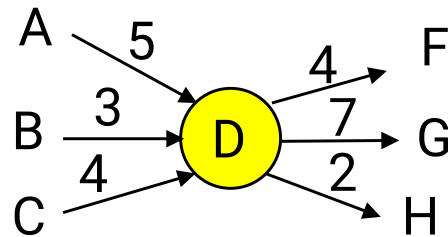
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

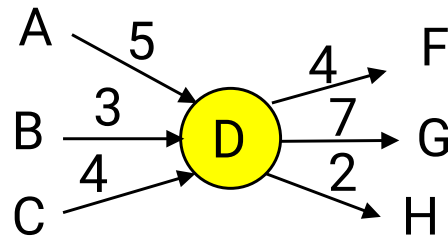
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

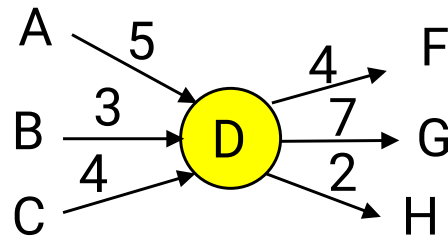
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

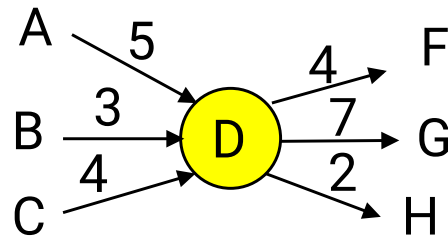
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					9	7	7	
C					7			
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

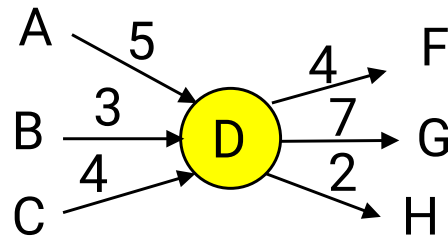
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					9	7	7	
C					7	10		
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

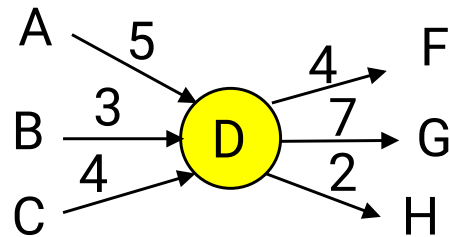
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					9	7	7	
C					7	10	5	
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

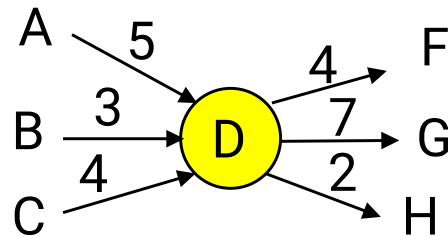
$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					9	7	7	
C					7	10	5	
D					8			
E								
F								
G								
H								

Matrice D_4

$k = D$ 

$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

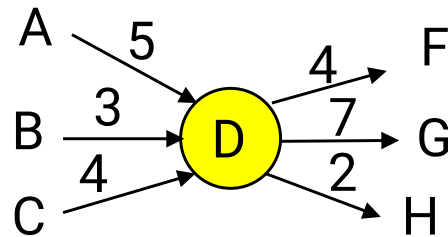
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					7	10	5	
C					8	4		
D								
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

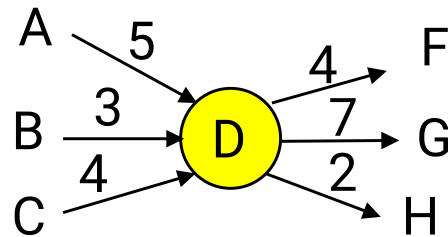
Matrice D_3

	B	C	D	E	F	G	H	I
A								
B					9	7	7	
C					7	10	5	
D					8	4	6	
E								
F								
G								
H								

Matrice D_4

Exercice 1 (DEMOUCRON)

$k = D$



$$W_{AF}^{(3)} = 9$$

$$W_{AG}^{(3)} = 12$$

$$W_{AH}^{(3)} = 7$$

$$W_{BF}^{(3)} = 7$$

$$W_{BG}^{(3)} = 10$$

$$W_{BH}^{(3)} = 5$$

$$W_{CF}^{(3)} = 8$$

$$W_{CG}^{(3)} = 11$$

$$W_{CH}^{(3)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7		7		
B			3	5				
C			4			4		
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_3

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$$k = E$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

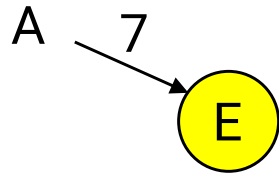
$$k = E$$

E

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

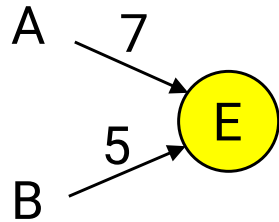
$$k = E$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

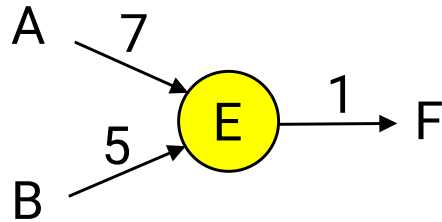
$$k = E$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

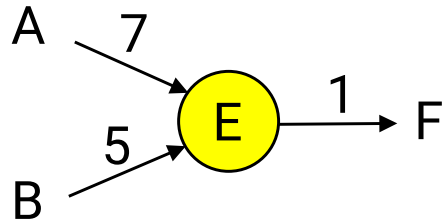
$$k = E$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

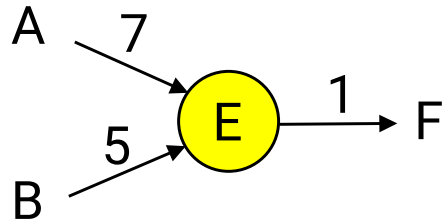
$$k = E$$



$$W_{AF}^{(4)} = 8$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$k = E$ 

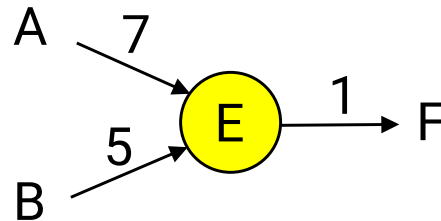
$$W_{AF}^{(4)} = 8$$

$$W_{BF}^{(4)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$k = E$



$$W_{AF}^{(4)} = 8$$

$$W_{BF}^{(4)} = 6$$

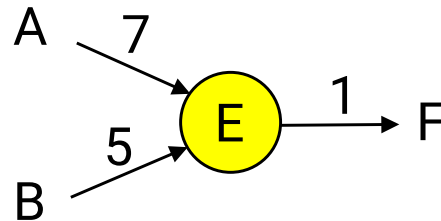
	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_5

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$k = E$



$$W_{AF}^{(4)} = 8$$

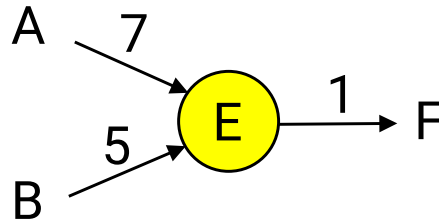
$$W_{BF}^{(4)} = 6$$

	B	C	D	E	F	G	H	I
A					8			
B								
C								
D								
E								
F								
G								
H								

Matrice D_5

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$k = E$ 

$$W_{AF}^{(4)} = 8$$

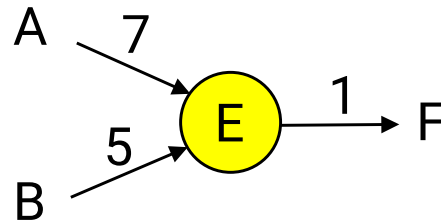
$$W_{BF}^{(4)} = 6$$

	B	C	D	E	F	G	H	I
A					8			
B					6			
C								
D								
E								
F								
G								
H								

Matrice D_5

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_4

$k = E$


$$W_{AF}^{(4)} = 8$$

$$W_{BF}^{(4)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

	B	C	D	E	F	G	H	I
A	2	3	5	7	9	7	7	
B			3	5	7	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

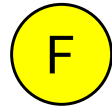
Matrice D_4

$$k = F$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

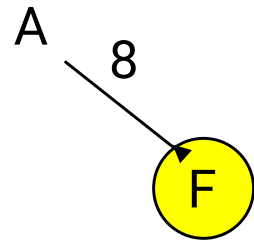
Matrice D_5

$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

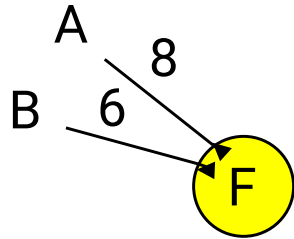
Matrice D_5

$k = F$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

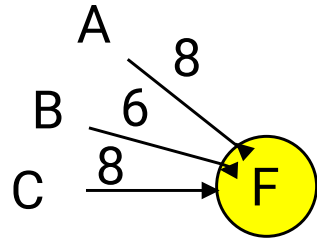
$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

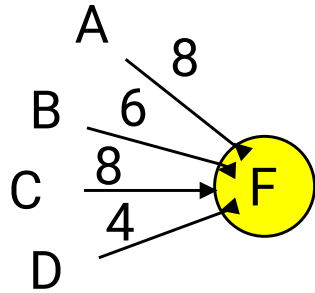
$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

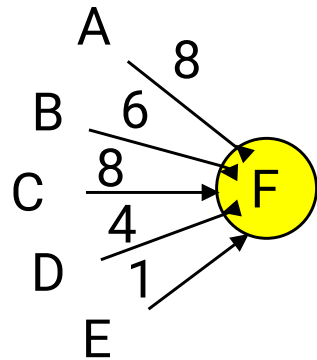
$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

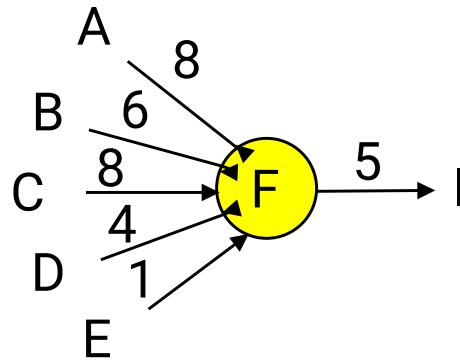
$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

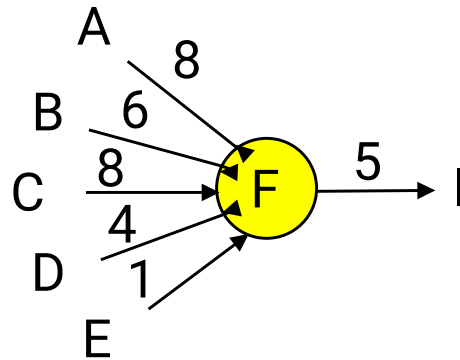
$$k = F$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

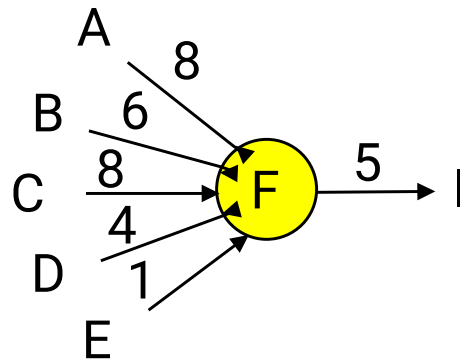
$$k = F$$



$$W_{Al}^{(5)} = 13$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

$k = F$ 

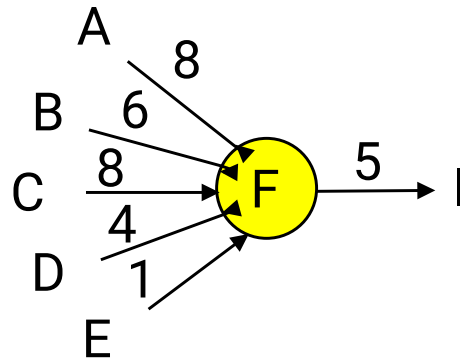
$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

$$k = F$$



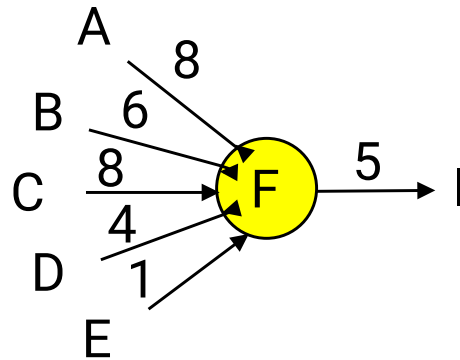
$$W_{Al}^{(5)} = 13$$

$$W_{Bl}^{(5)} = 11$$

$$W_{Cl}^{(5)} = 13$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

$k = F$ 

$$W_{A|}^{(5)} = 13$$

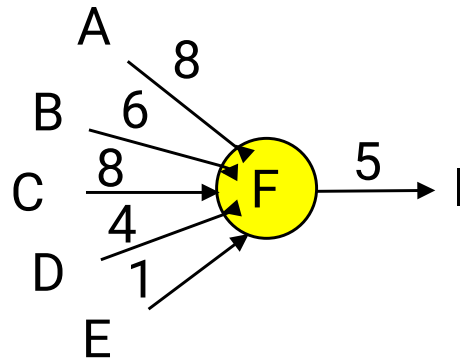
$$W_{B|}^{(5)} = 11$$

$$W_{C|}^{(5)} = 13$$

$$W_{D|}^{(5)} = 9$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

$k = F$ 

$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

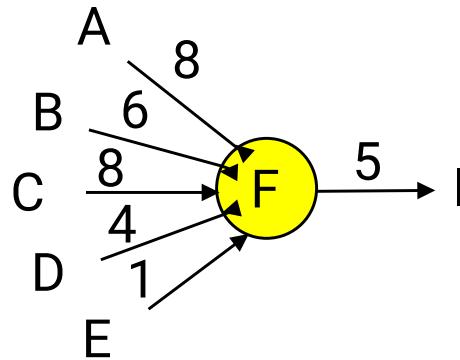
$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

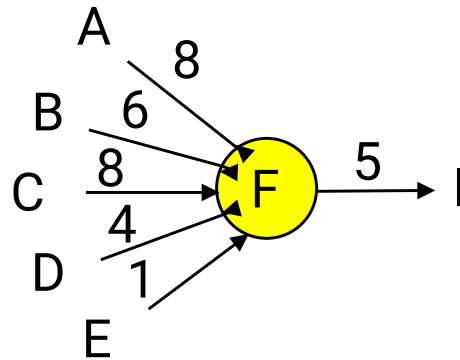
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_6

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

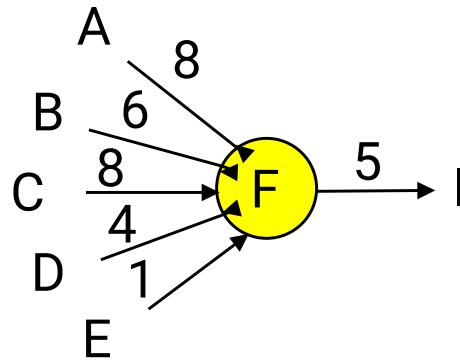
Matrice D_5

	B	C	D	E	F	G	H	I
A								13
B								
C								
D								
E								
F								
G								
H								

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

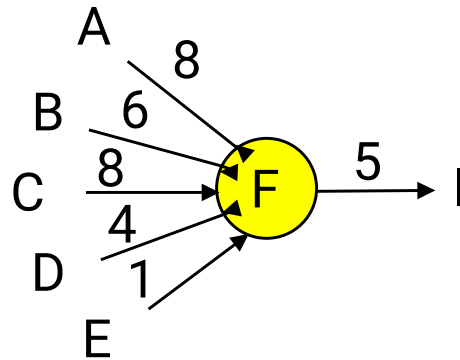
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

	B	C	D	E	F	G	H	I
A								13
B								11
C								
D								
E								
F								
G								
H								

Matrice D_6

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

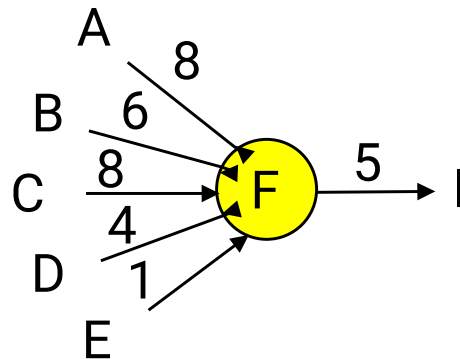
Matrice D_5

	B	C	D	E	F	G	H	I
A								13
B								11
C								13
D								
E								
F								
G								
H								

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

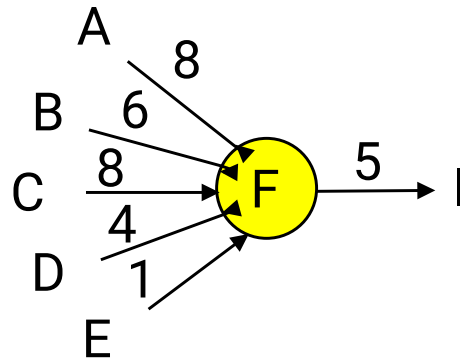
Matrice D_5

	B	C	D	E	F	G	H	I
A								13
B								11
C								13
D								9
E								
F								
G								
H								

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

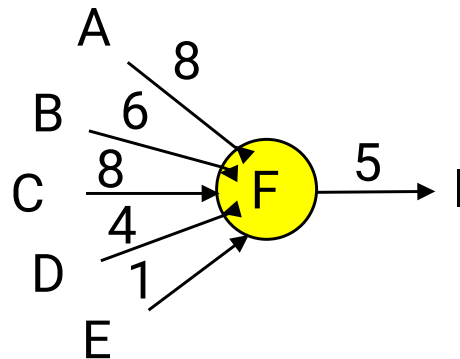
Matrice D_5

	B	C	D	E	F	G	H	I
A								13
B								11
C								13
D								9
E								6
F								
G								
H								

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = F$



$$W_{AI}^{(5)} = 13$$

$$W_{BI}^{(5)} = 11$$

$$W_{CI}^{(5)} = 13$$

$$W_{DI}^{(5)} = 9$$

$$W_{EI}^{(5)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	
B			3	5	6	10	5	
C			4		8	4	6	
D					4	7	2	
E					1			
F								5
G							3	
H								3

Matrice D_5

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

$$k = G$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

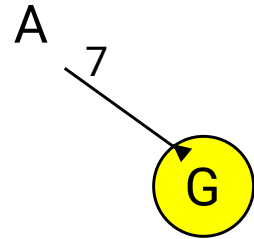
Matrice D_6

$k = G$

G

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

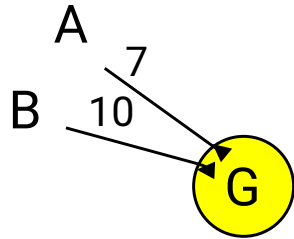
Matrice D_6

$k = G$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

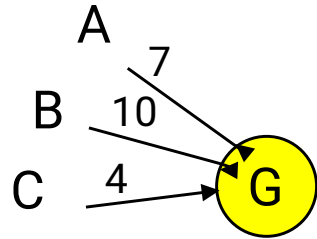
Matrice D_6

$$k = G$$



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

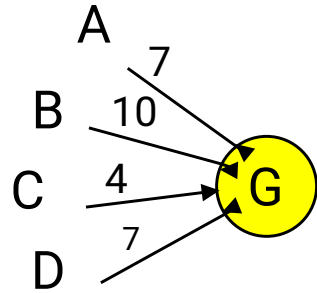
Matrice D_6

$k = G$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

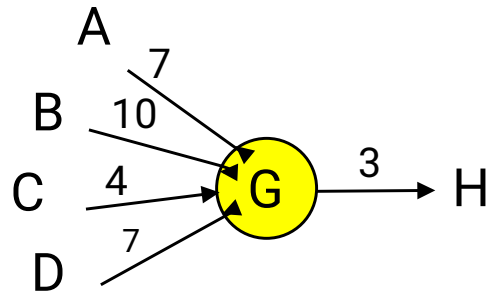
Matrice D_6

Exercice 1 (DEMOUCRON)

 $k = G$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

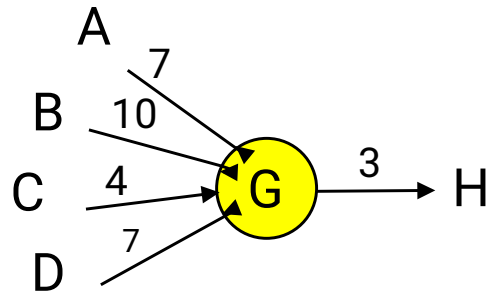
$k = G$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

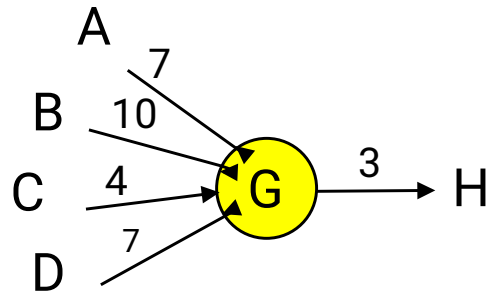
$$k = G$$



$$W_{AH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

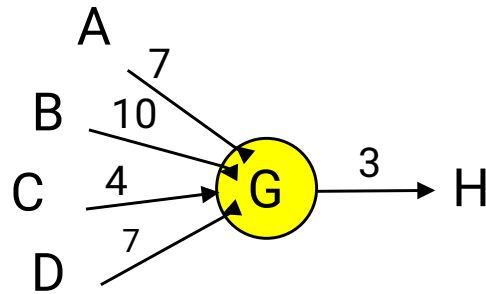
$k = G$ 

$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

$k = G$ 

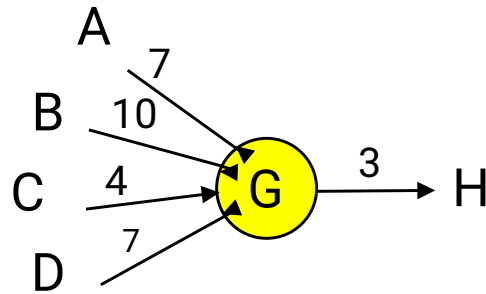
$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

$k = G$ 

$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

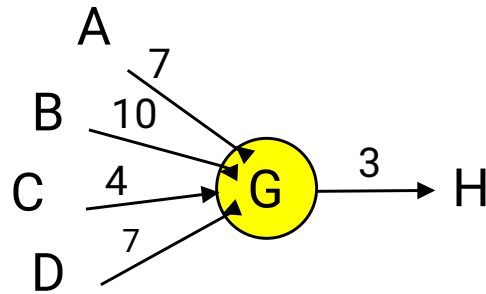
$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

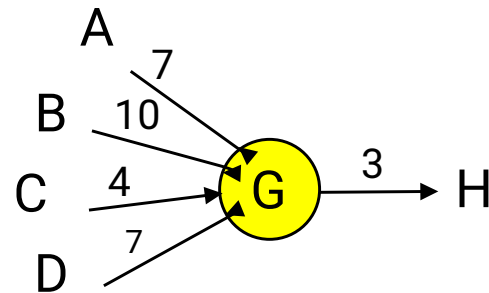
Matrice D_7

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A							7	
B								
C								
D								
E								
F								
G								
H								

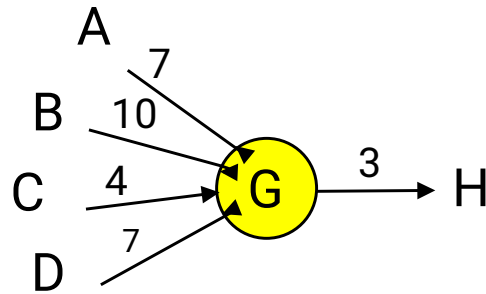
Matrice D_7

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A							7	
B							5	
C								
D								
E								
F								
G								
H								

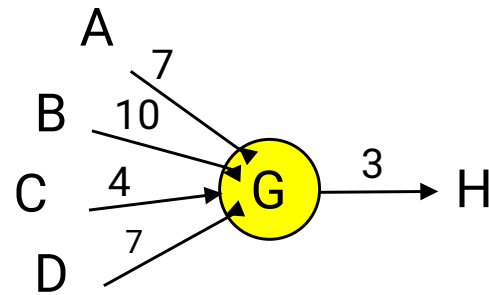
Matrice D_7

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A							7	
B							5	
C							6	
D								
E								
F								
G								
H								

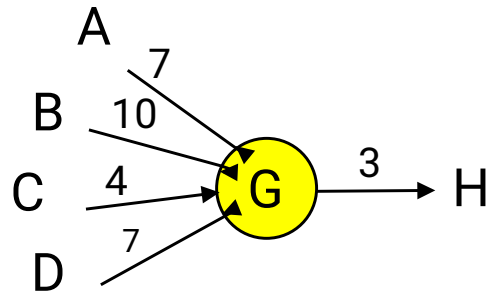
Matrice D_7

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A							7	
B							5	
C							6	
D							2	
E								
F								
G								
H								

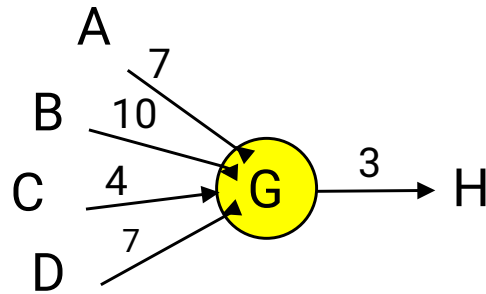
Matrice D_7

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

Exercice 1 (DEMOUCRON)

$k = G$



$$W_{AH}^{(6)} = 10$$

$$W_{BH}^{(6)} = 13$$

$$W_{CH}^{(6)} = 7$$

$$W_{DH}^{(6)} = 10$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

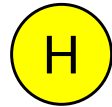
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_6

$$k = H$$

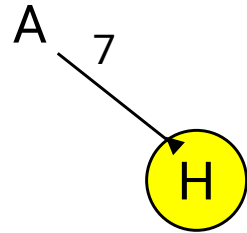
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

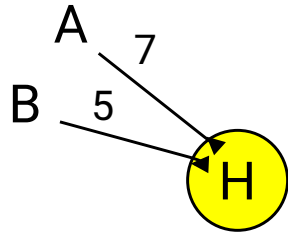
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

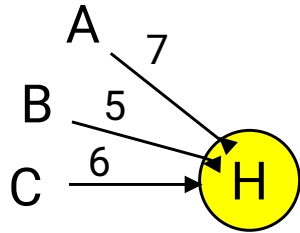
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

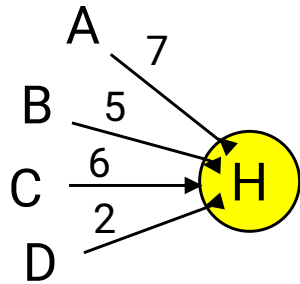
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

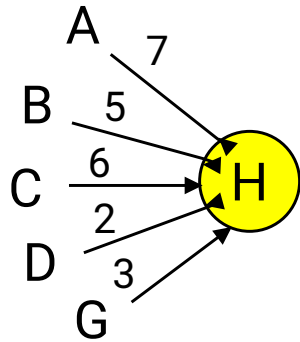
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

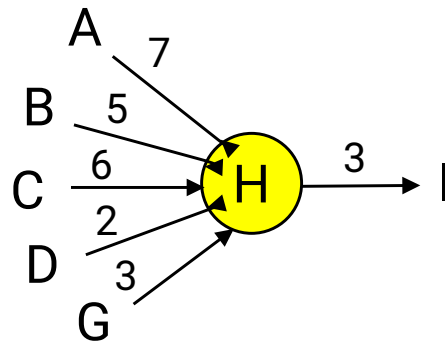
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

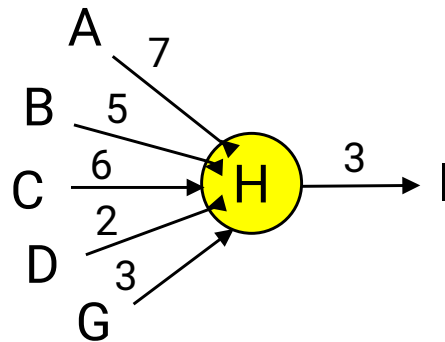
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

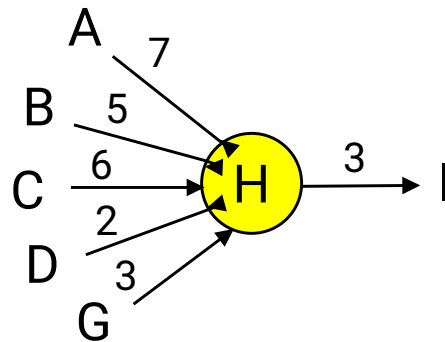
Matrice D_7

$k = H$ 

$$W_{AI}^{(7)} = 10$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

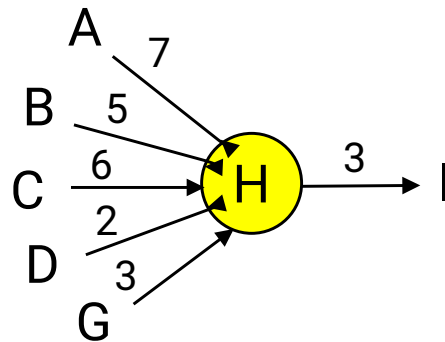
$k = H$ 

$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

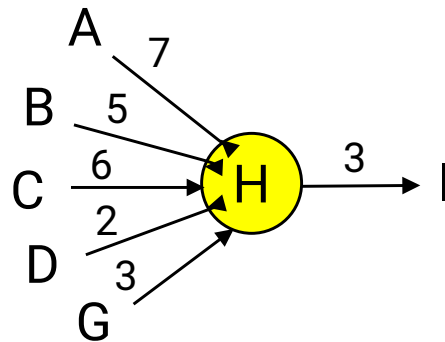
$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

$$W_{AI}^{(7)} = 10$$

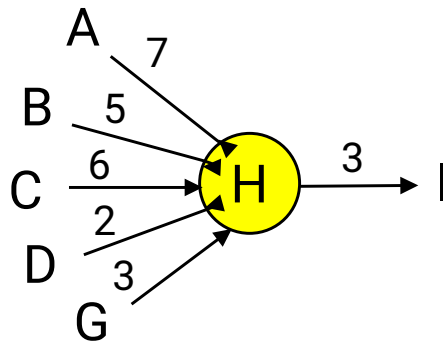
$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

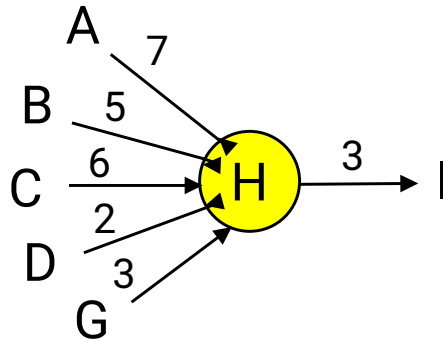
$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

$k = H$ 

$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

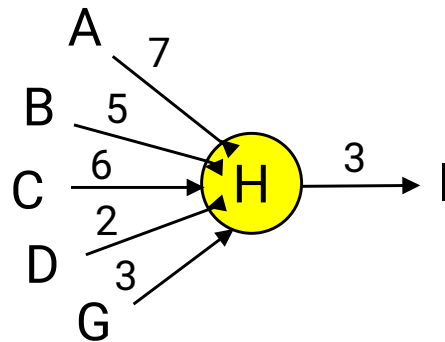
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

	B	C	D	E	F	G	H	I
A								
B								
C								
D								
E								
F								
G								
H								

Matrice D_8

$k = H$



$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

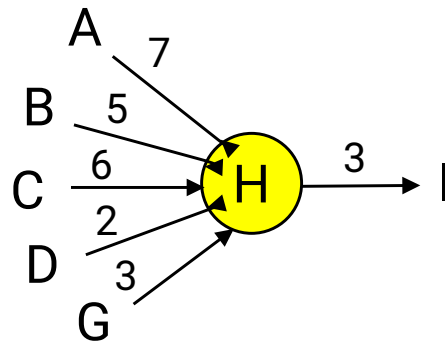
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

	B	C	D	E	F	G	H	I
A								10
B								
C								
D								
E								
F								
G								
H								

Matrice D_8

$k = H$



$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

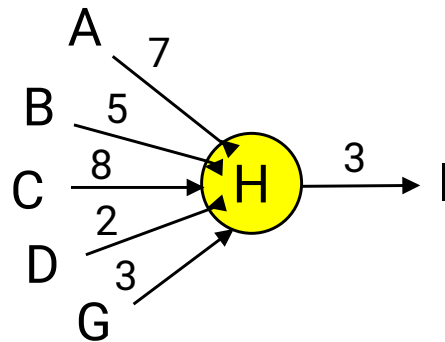
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

	B	C	D	E	F	G	H	I
A								10
B								8
C								
D								
E								
F								
G								
H								

Matrice D_8

$k = H$



$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

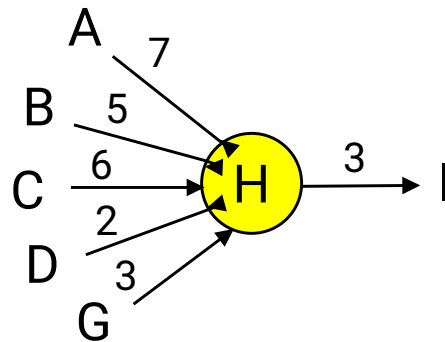
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

	B	C	D	E	F	G	H	I
A								10
B								8
C								9
D								
E								
F								
G								
H								

Matrice D_8

$k = H$



$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

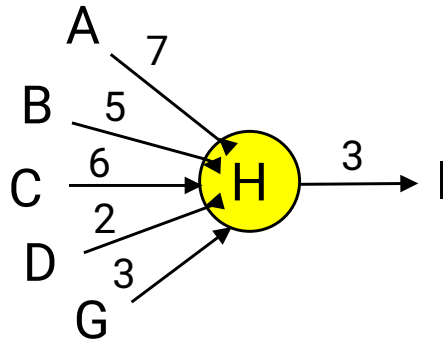
$$W_{GI}^{(7)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

	B	C	D	E	F	G	H	I
A								10
B								8
C								9
D								5
E								
F								
G								
H								

Matrice D_8

$k = H$ 

$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

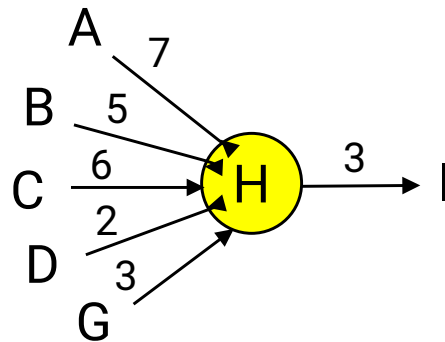
Matrice D_7

	B	C	D	E	F	G	H	I
A								10
B								8
C								9
D								5
E								
F								
G								6
H								

Matrice D_8

Exercice 1 (DEMOUCRON)

$k = H$



$$W_{AI}^{(7)} = 10$$

$$W_{BI}^{(7)} = 8$$

$$W_{CI}^{(7)} = 9$$

$$W_{DI}^{(7)} = 5$$

$$W_{GI}^{(7)} = 6$$

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	13
B			3	5	6	10	5	11
C			4		8	4	6	13
D					4	7	2	9
E					1			6
F								5
G							3	
H								3

Matrice D_7

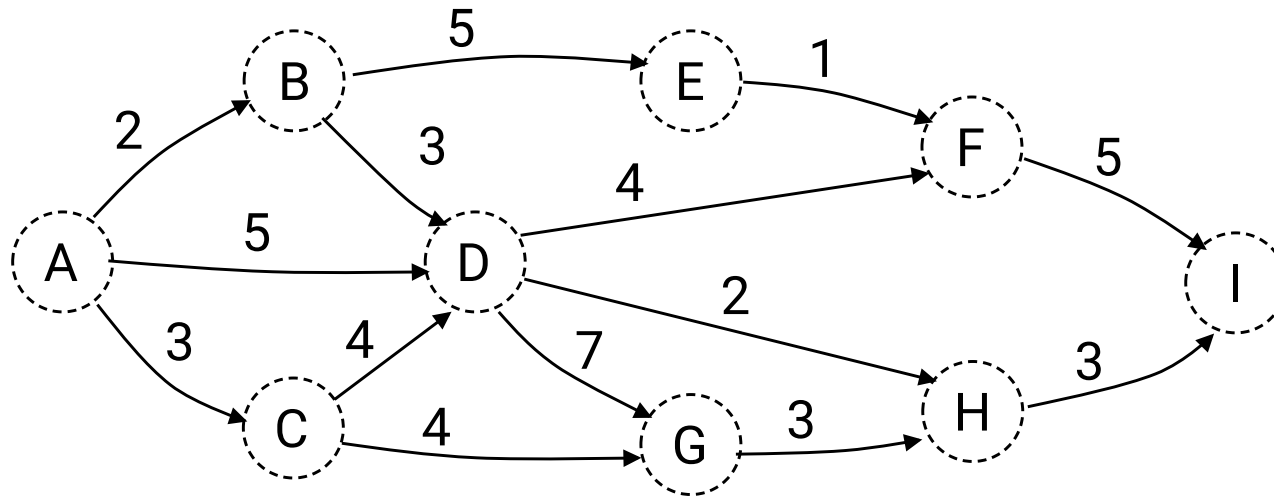
	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

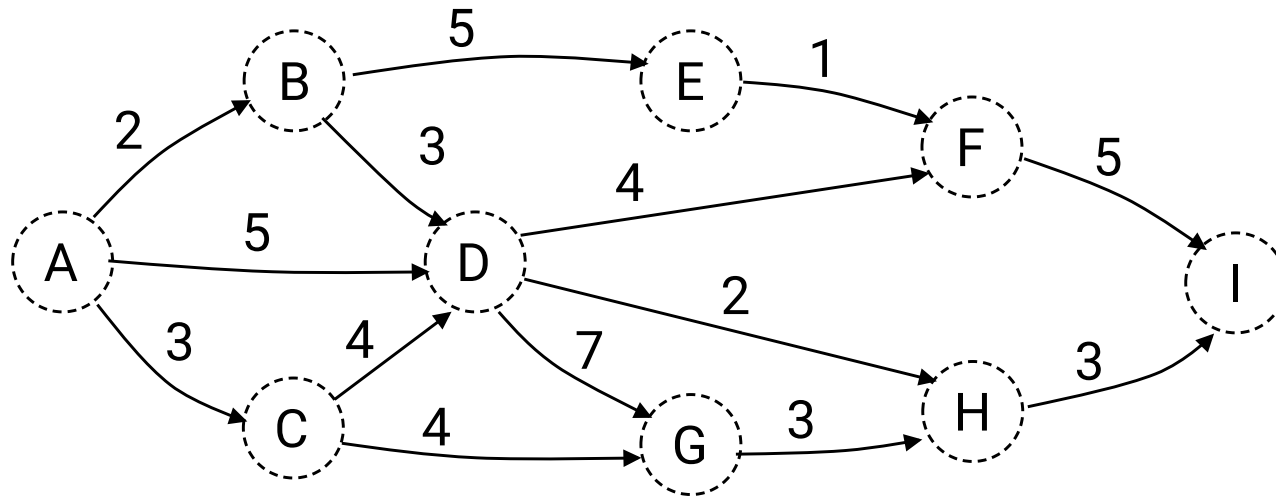
Exercice 1 (DEMOUCRON)



	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

Exercice 1 (DEMOUCRON)

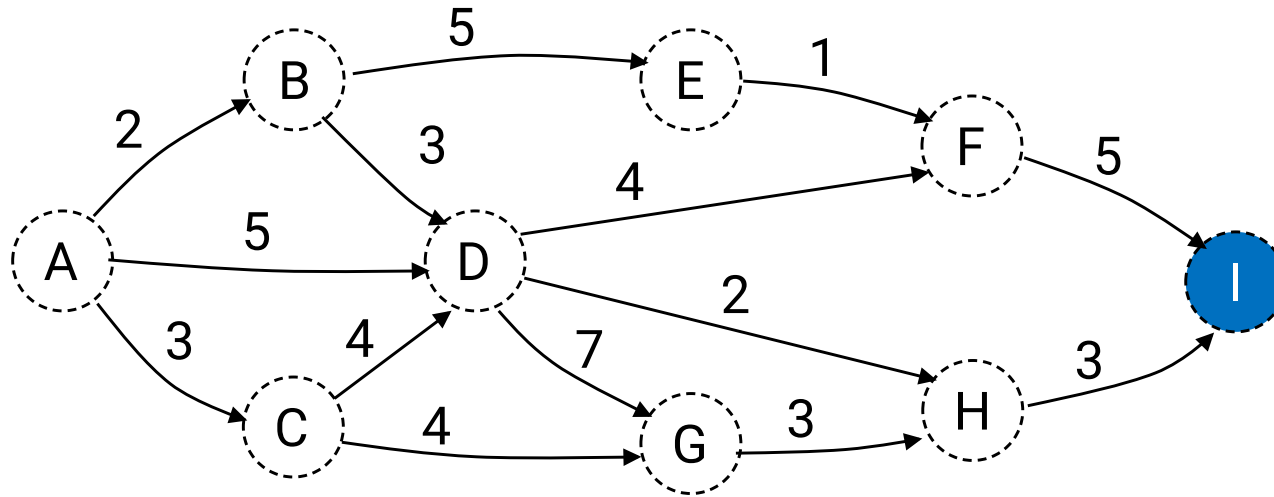


Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

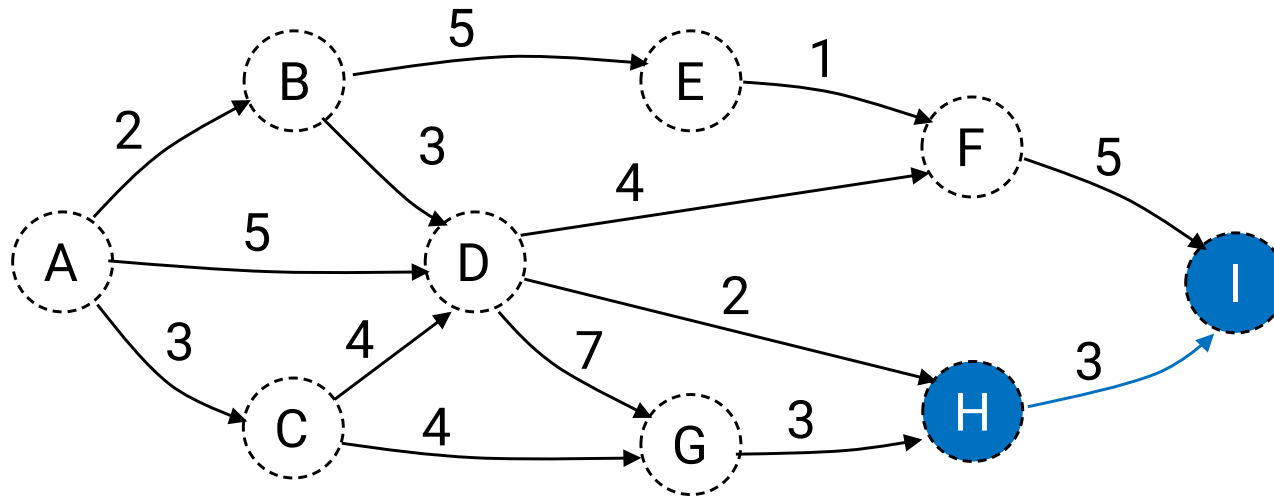


Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

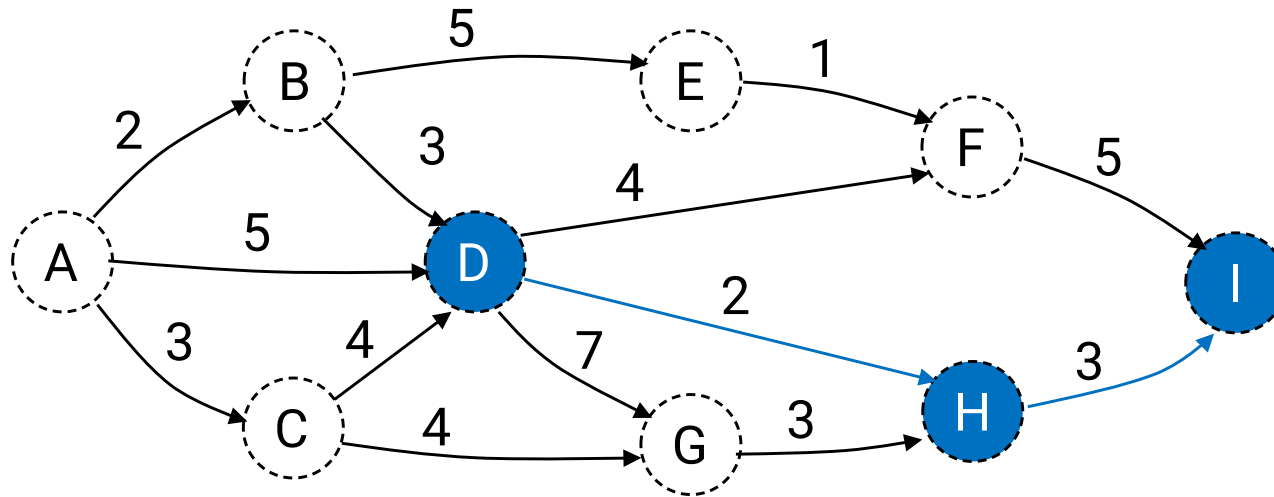


Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

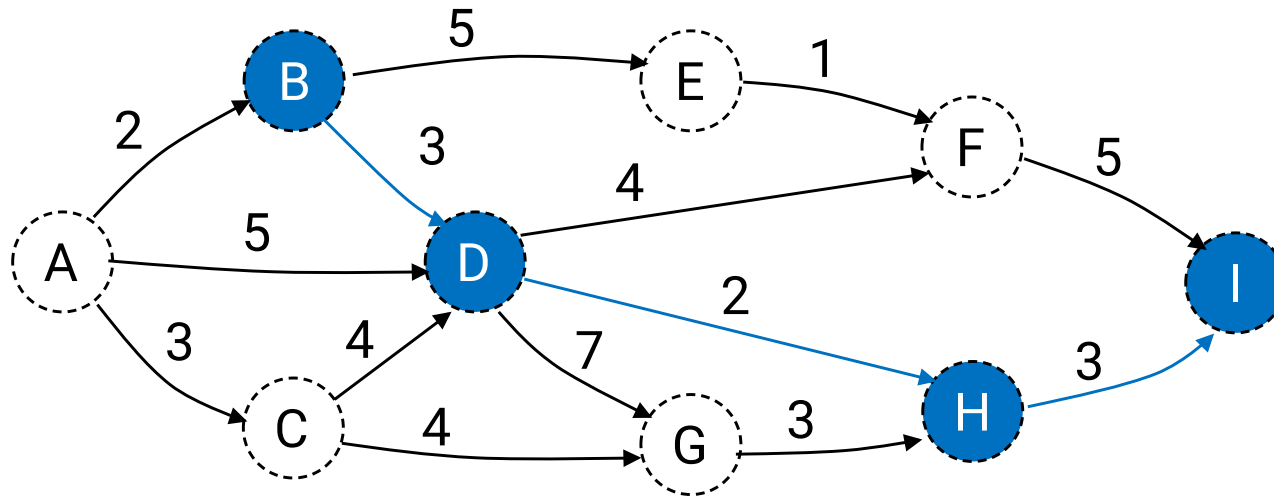


Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8

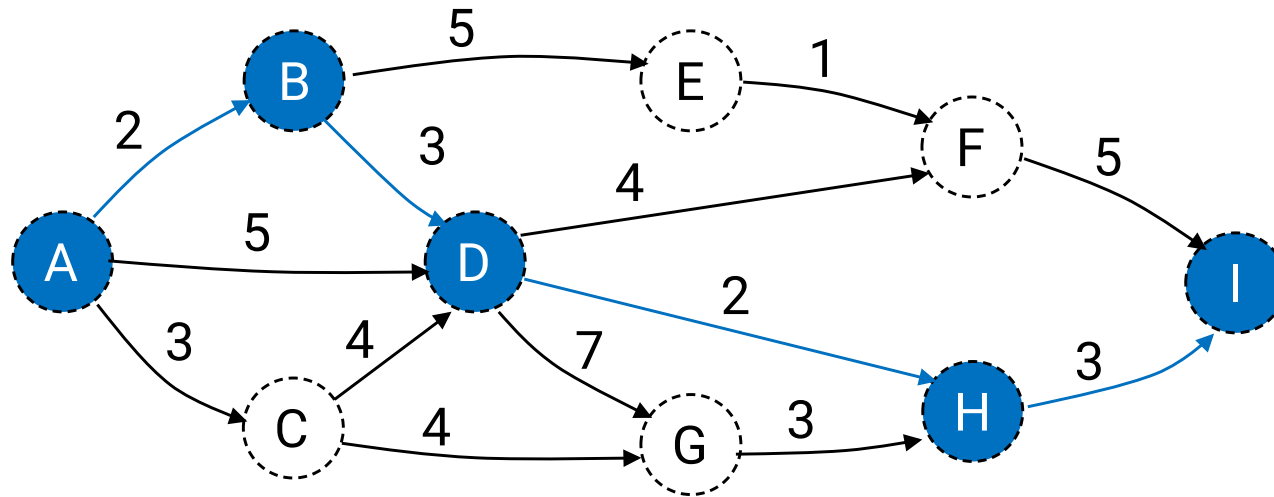


Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8



Pour trouver le chemin de valeur minimale dans cette matrice D_8 :

la case où se trouve le minimum dans la colonne i indique le prédécesseur de i dans le chemin minimal.

	B	C	D	E	F	G	H	I
A	2	3	5	7	8	7	7	10
B			3	5	6	10	5	8
C			4		8	4	6	9
D					4	7	2	5
E					1			6
F								5
G							3	6
H								3

Matrice D_8