

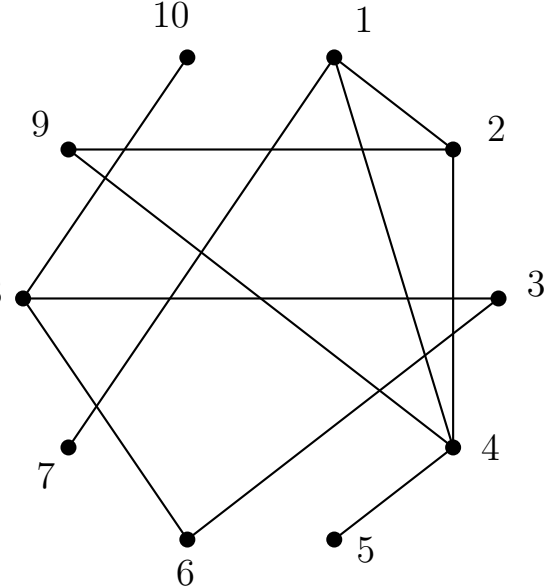
1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

Distàncies:



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

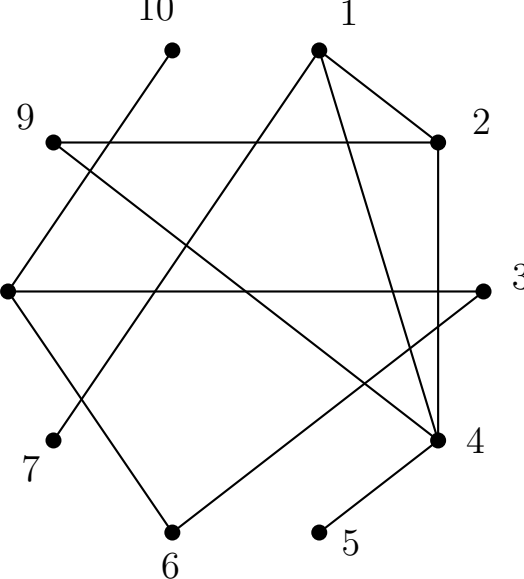
Cua:

$W$ :

$x :$      $y :$

1

Distàncies:



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

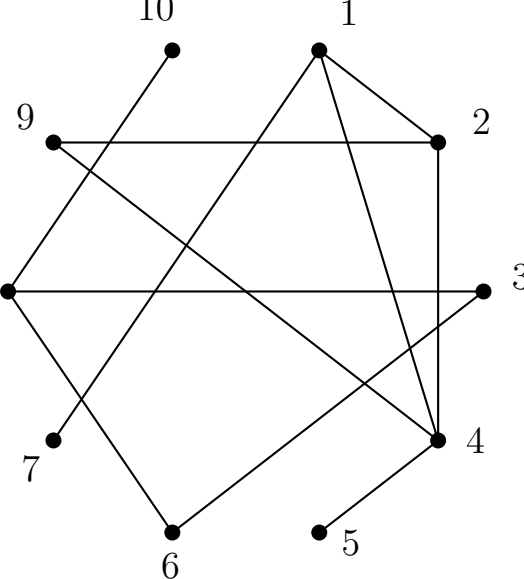
$$x : \quad y :$$

1

$$\{1\}$$

Distàncies:

[illegible]



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

 $W:$ 
$$x : \quad y :$$

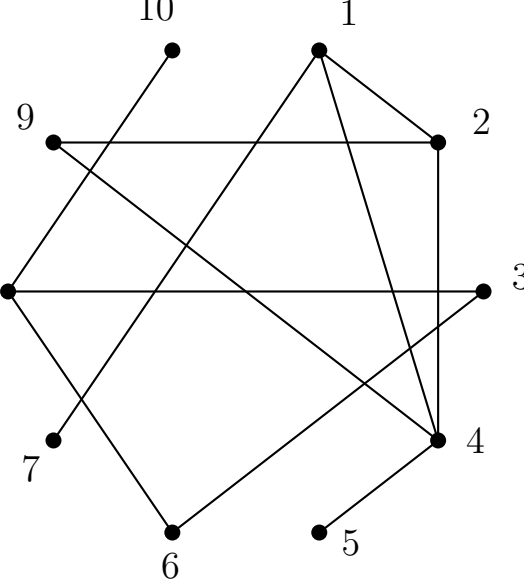
1

$$\{1\}$$

1

Distàncies:

[illegible]



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

 $W:$ 
$$x : \quad y :$$

1

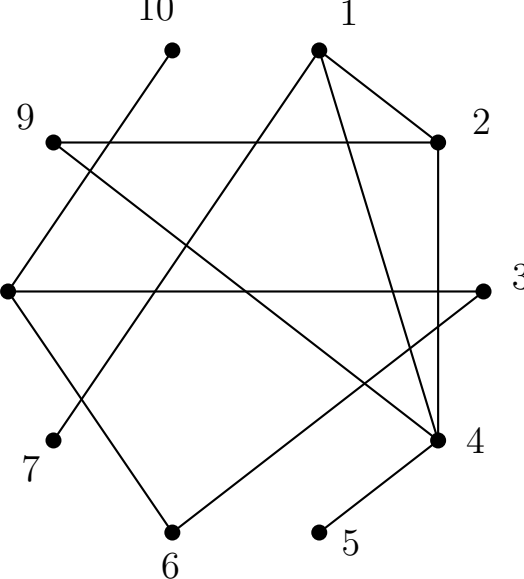
$$\{1\}$$

1

2

Distàncies:

[illegible]



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

 $W:$ 
$$x : \quad y :$$

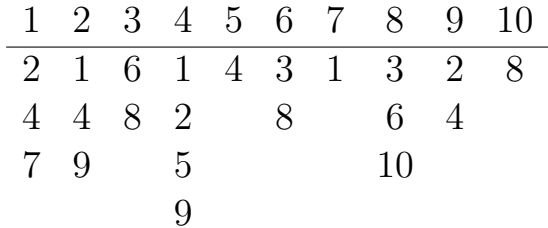
1, 2

$$\{1\}$$

1      2

Distàncies:

[illegible]

 $W:$ 
$$x : \quad y :$$

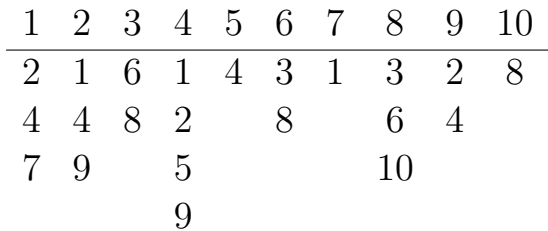
1, 2

 $\{1, 2\}$ 

1      2

Distàncies:

[illegible]

 $W:$ 
$$x : \quad y :$$

1, 2

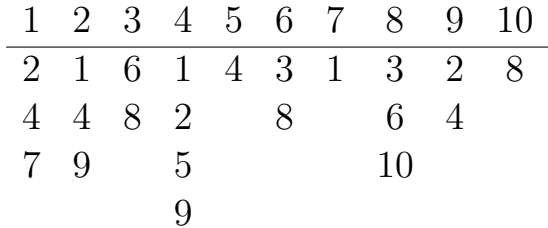
 $\{1, 2\}$ 

1

Distàncies:

[illegible]



 $W:$ 
$$x : \quad y :$$

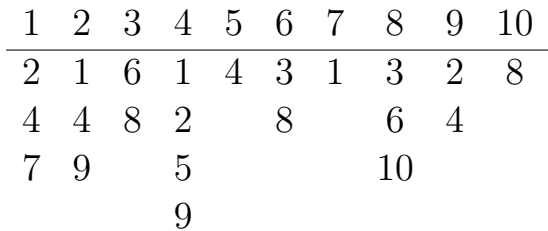
1, 2

 $\{1, 2\}$ 

1 4

Distàncies:

[illegible]

 $W:$ 
$$x : \quad y :$$

1, 2, 4

 $\{1, 2\}$ 

1 4

Distàncies:

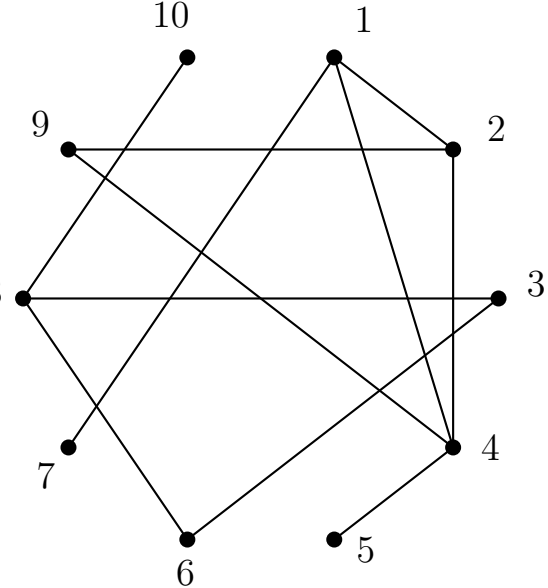
[illegible]











1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1, 2, 4, 7

$W$ :

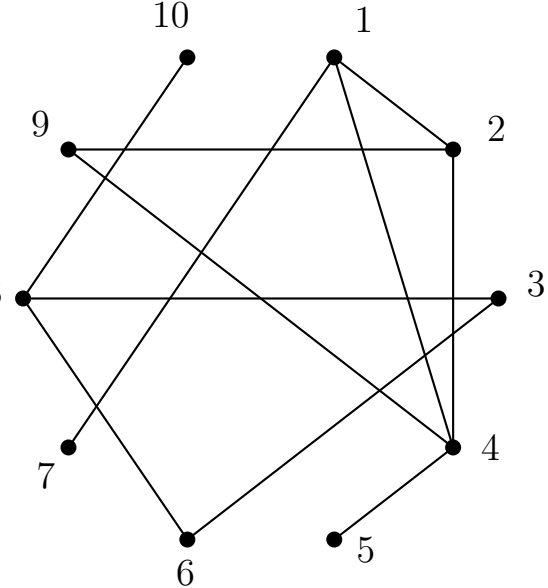
$\{1, 2, 4, 7\}$

$x :$        $y :$

1          7

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

1, 2, 4, 7

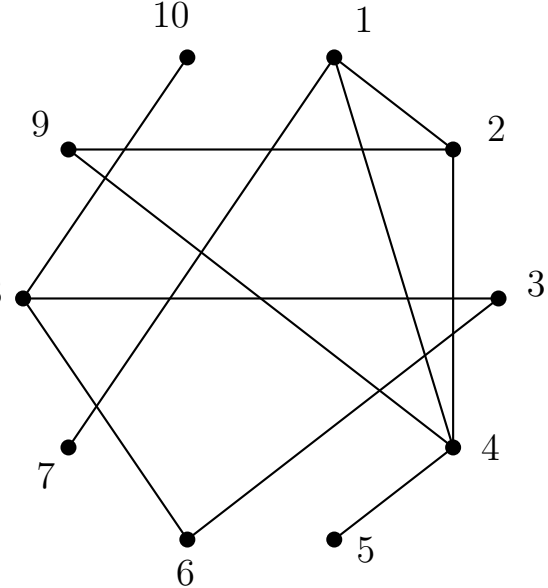
$\{1, 2, 4, 7\}$

1

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

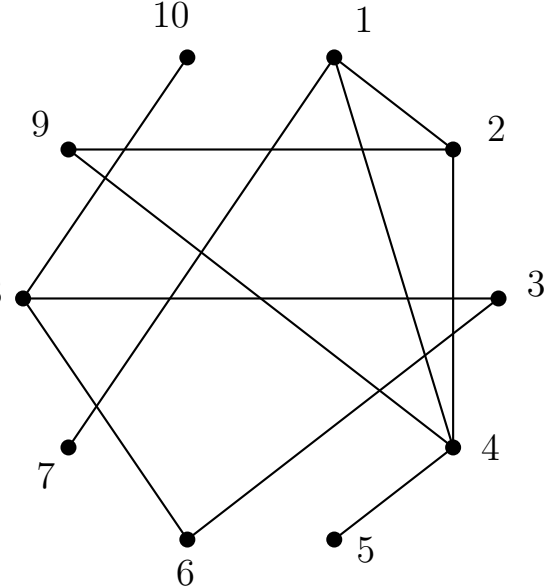
1, 2, 4, 7

$\{1, 2, 4, 7\}$

1      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7

$W$ :

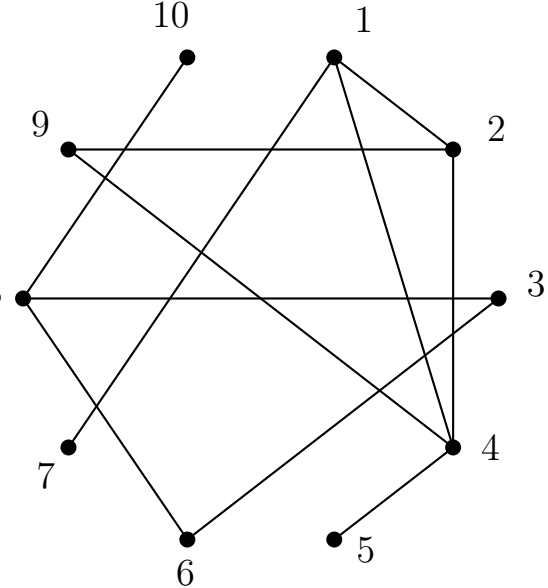
$\{1, 2, 4, 7\}$

$x :$        $y :$

1      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7

$W$ :

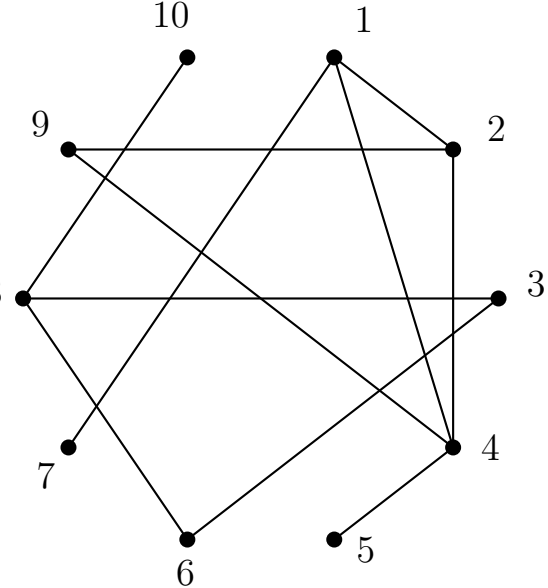
$\{1, 2, 4, 7\}$

$x :$        $y :$

2

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7

$W$ :

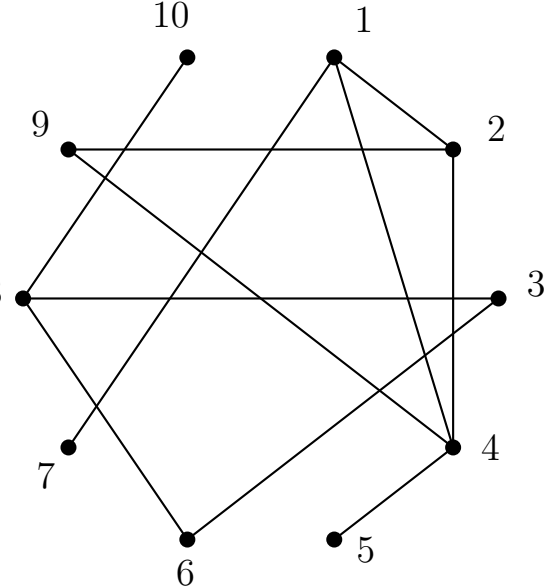
$\{1, 2, 4, 7\}$

$x :$        $y :$

2          9

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7, 9

$W$ :

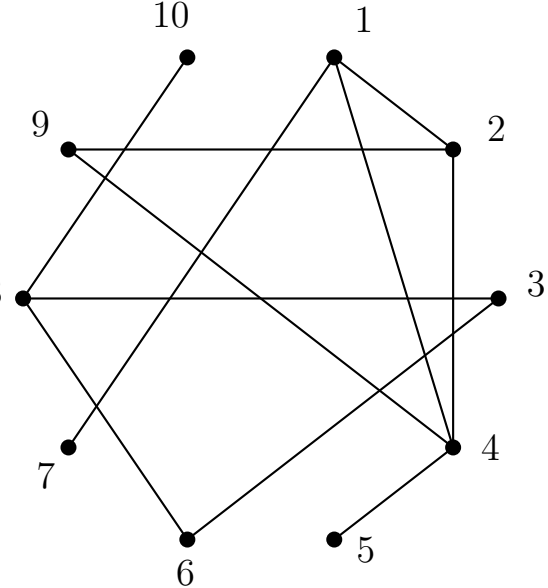
$\{1, 2, 4, 7\}$

$x :$        $y :$

2          9

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	$\infty$	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7, 9

$W$ :

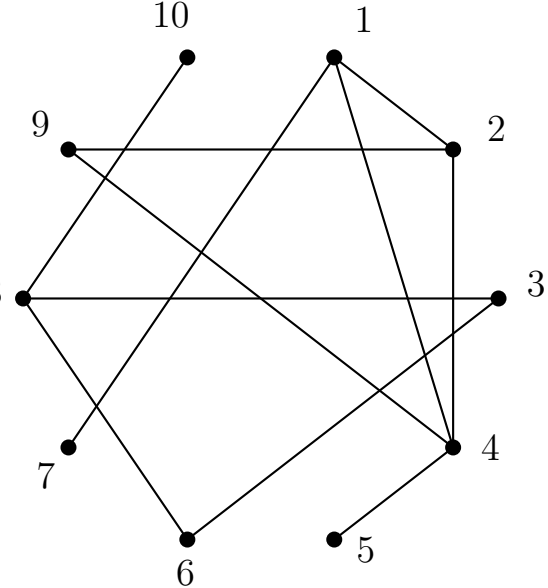
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

2          9

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7, 9

$W$ :

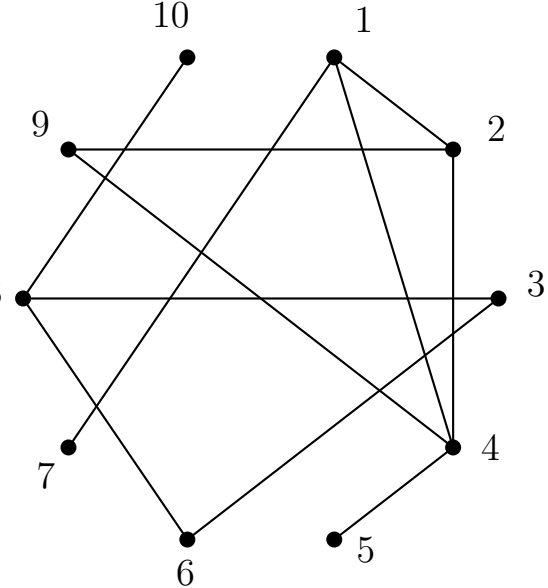
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

2

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7, 9

$W$ :

$\{1, 2, 4, 7, 9\}$

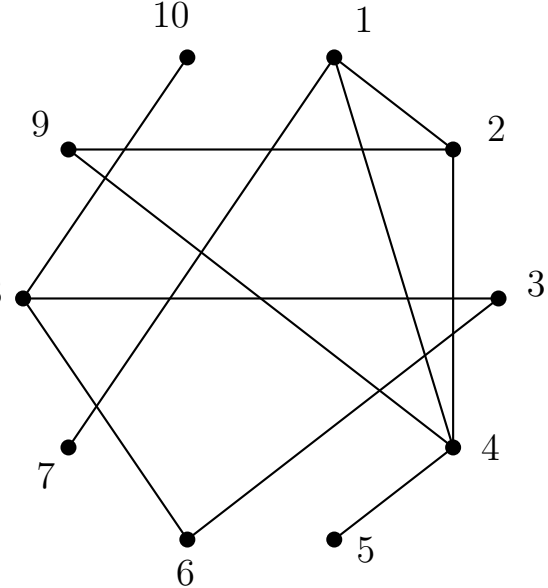
$x :$        $y :$

2      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9

$W$ :

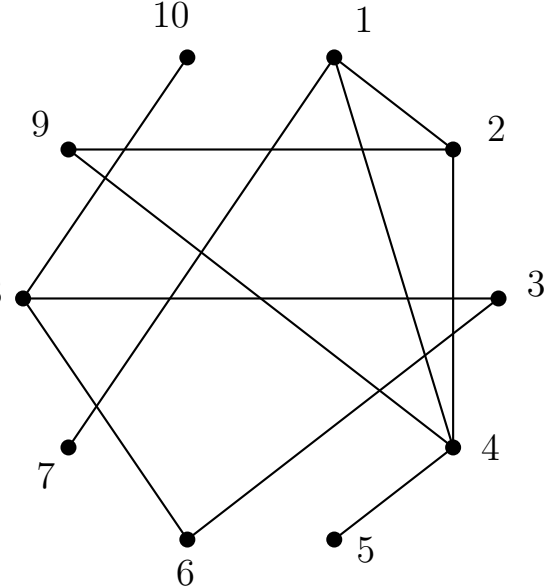
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

2          —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9

$W$ :

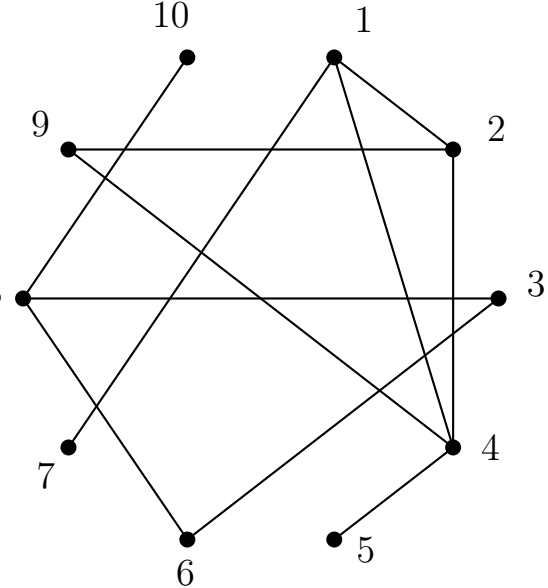
$\{1, 2, 4, 7, 9\}$

$x :$       $y :$

4

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9

$W$ :

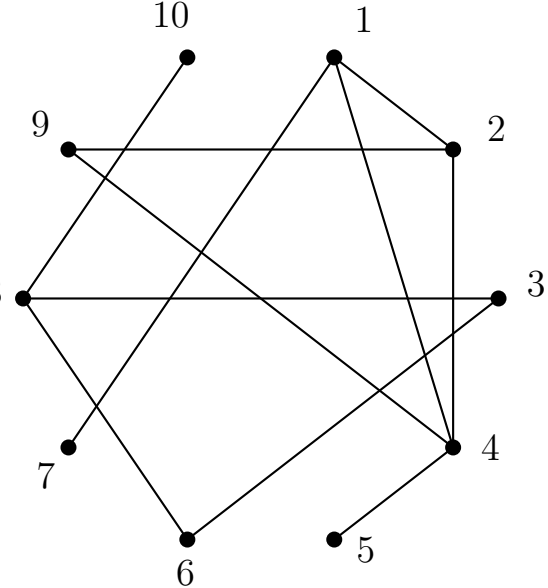
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

4          5

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

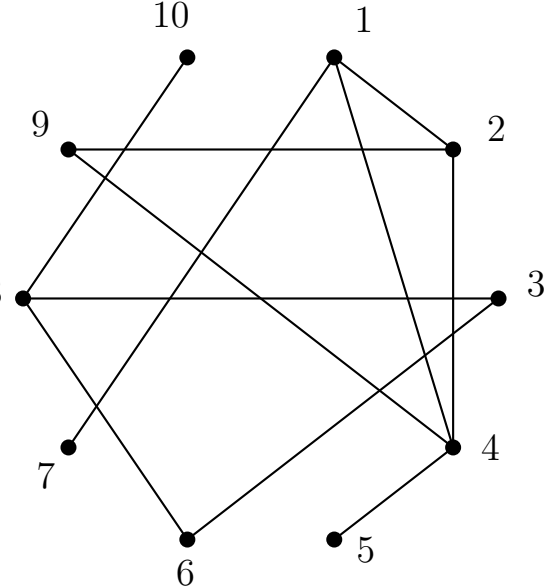
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

4          5

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	$\infty$	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

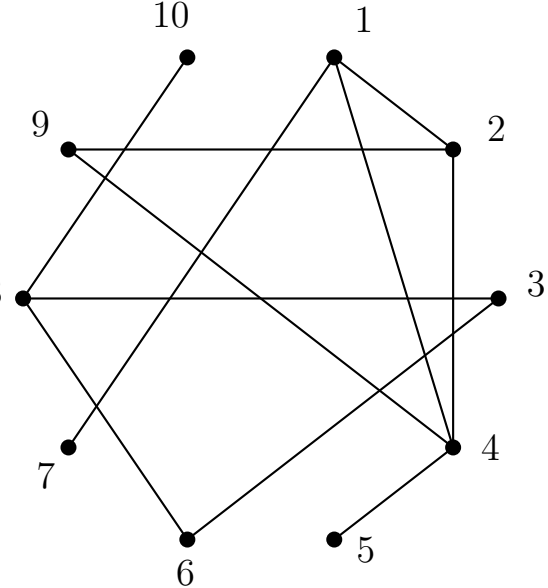
4

$y :$

5

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

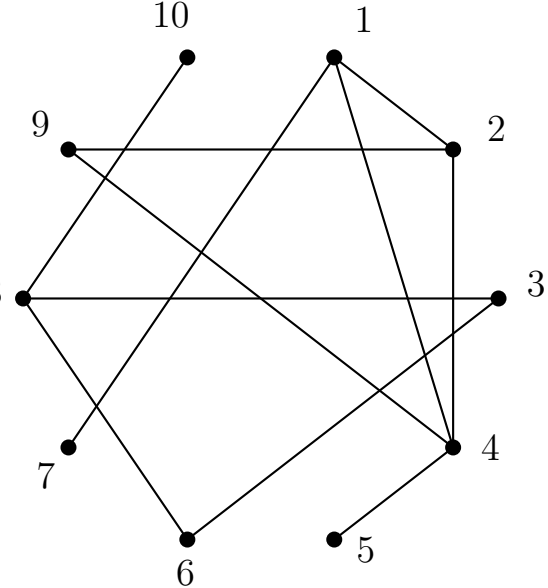
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

4

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

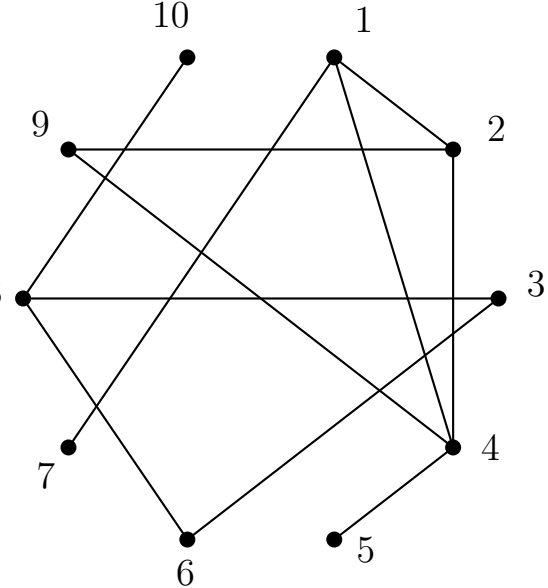
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

4      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

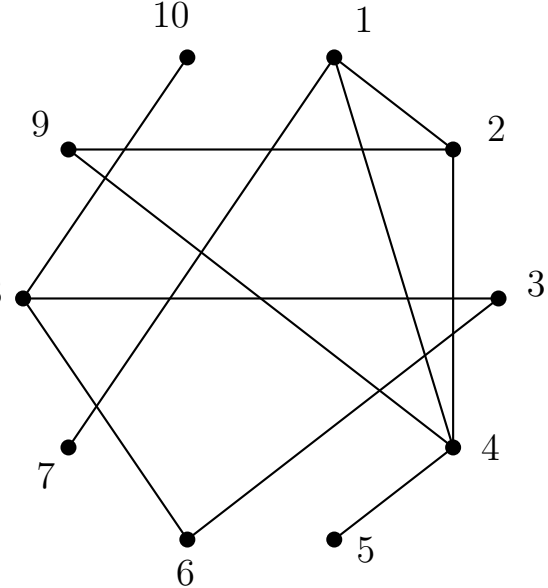
$x :$        $y :$

4      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

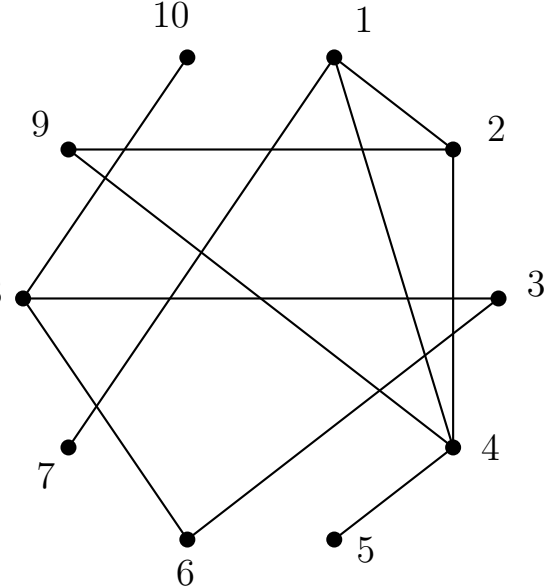
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

7

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

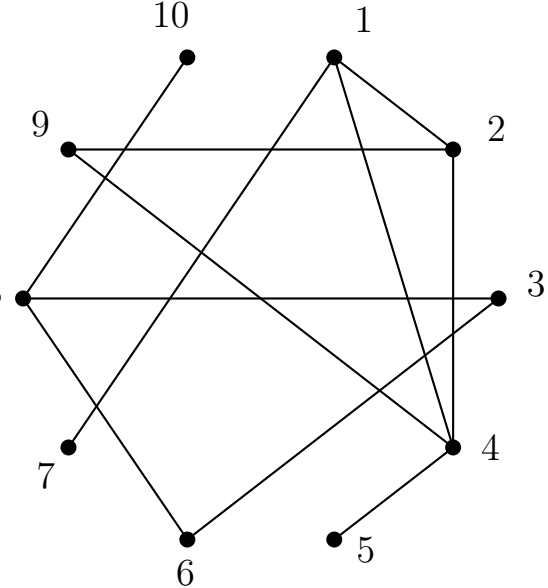
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

7      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

9, 5

$W$ :

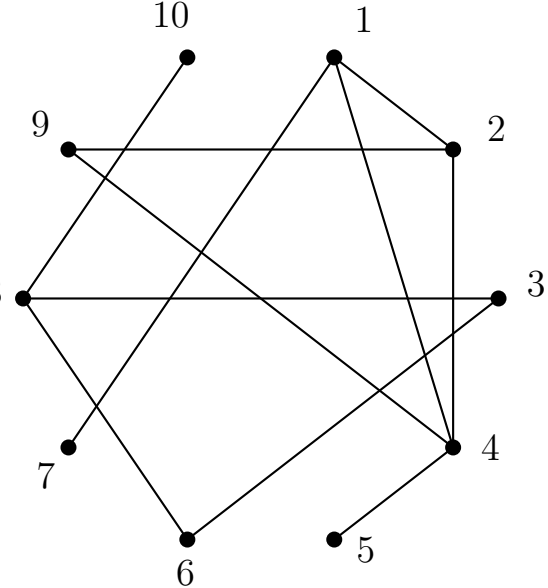
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

7      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

9, 5

$W$ :

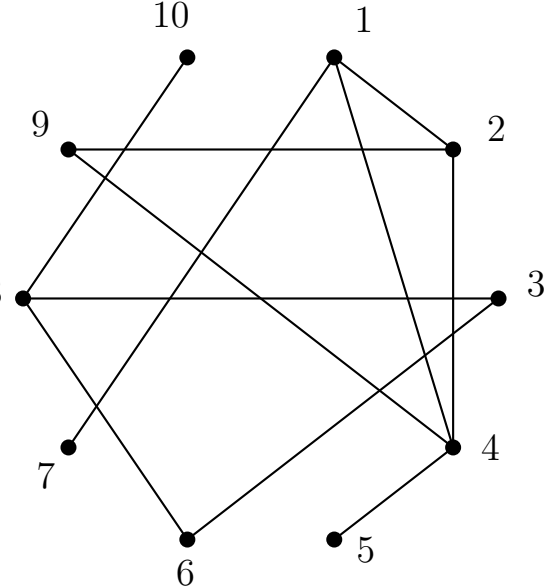
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

9

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

9, 5

$W$ :

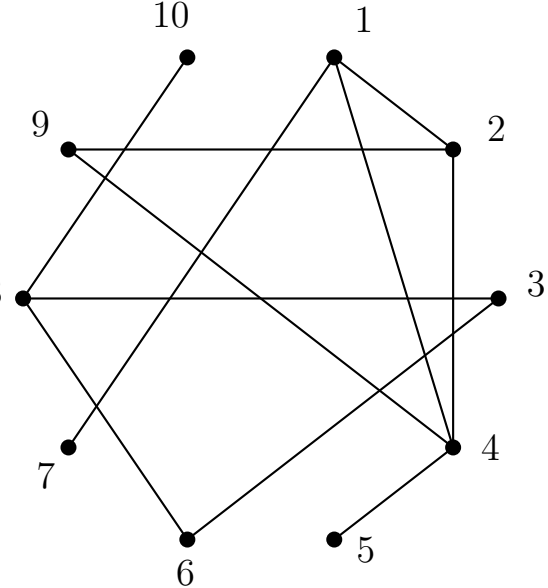
$\{1, 2, 4, 7, 9, 5\}$

$x :$        $y :$

9      —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

5

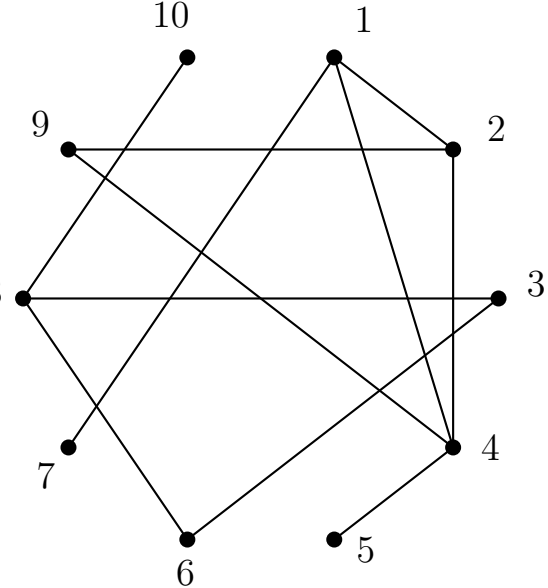
$\{1, 2, 4, 7, 9, 5\}$

9

—

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

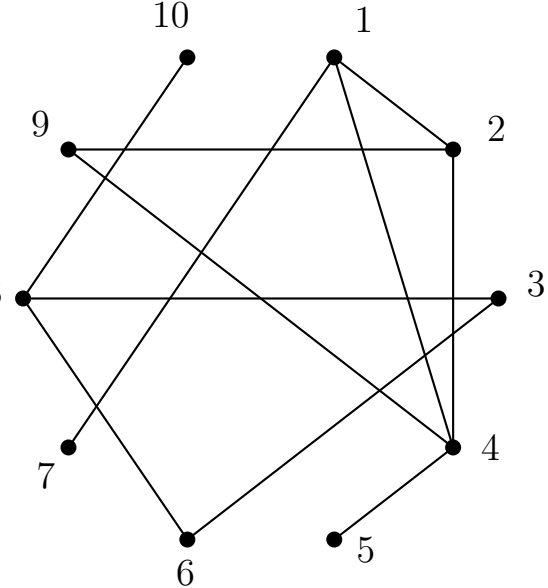
5

$\{1, 2, 4, 7, 9, 5\}$

5

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

5

$\{1, 2, 4, 7, 9, 5\}$

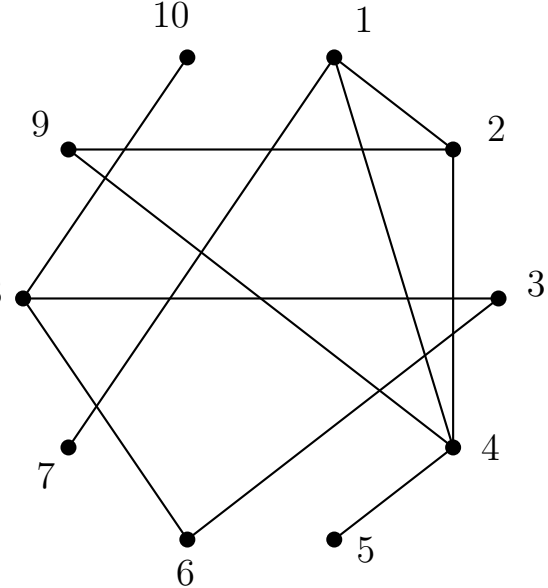
5

—

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

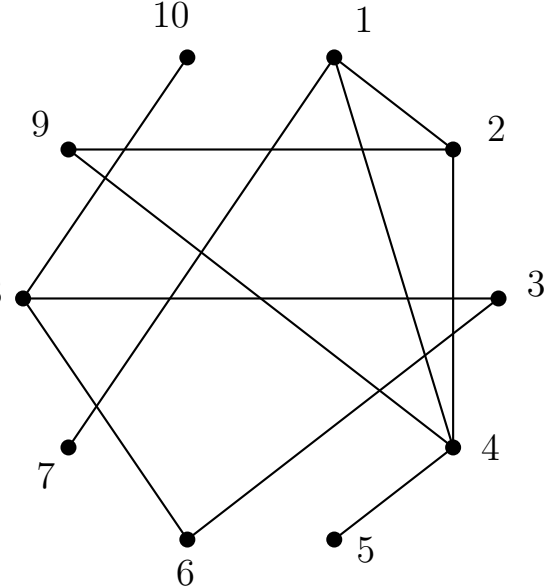
$x :$      $y :$

$\{1, 2, 4, 7, 9, 5\}$

5    —

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

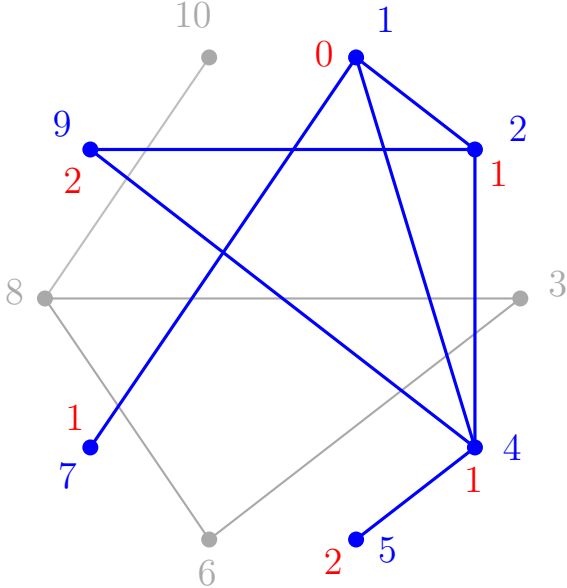
$x :$       $y :$

$\{1, 2, 4, 7, 9, 5\}$

Distàncies:

$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$

Vèrtexs del component connex d'1:  $\{1, 2, 4, 5, 7, 9\}$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

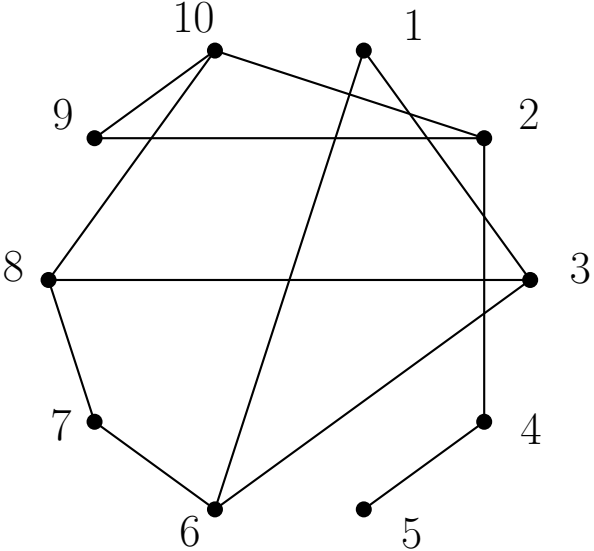
Vèrtexs del component connex d'1:  $\{1, 2, 4, 5, 7, 9\}$

Component connex d'1: vèrtexs i arestes en blau

Distàncies d'1 a la resta de vèrtexs:

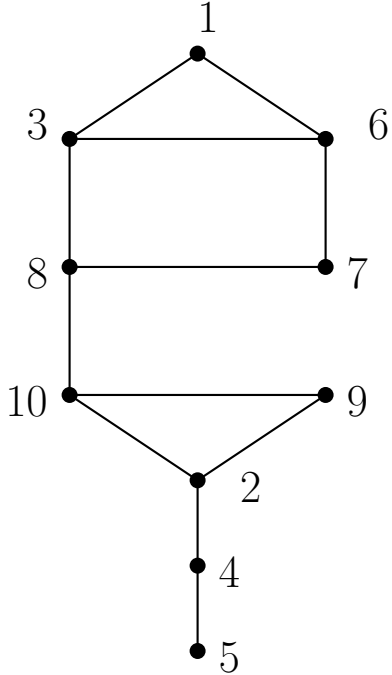
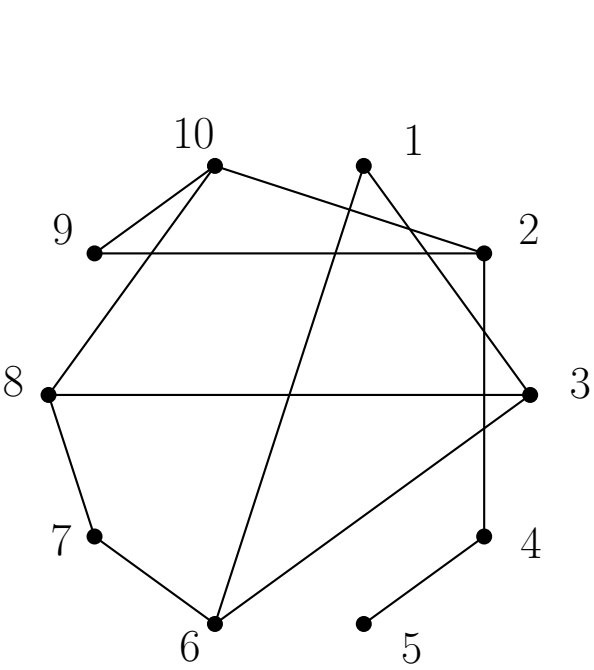
$u$	1	2	3	4	5	6	7	8	9	10
$d(1, u)$	0	1	$\infty$	1	2	$\infty$	1	$\infty$	2	$\infty$

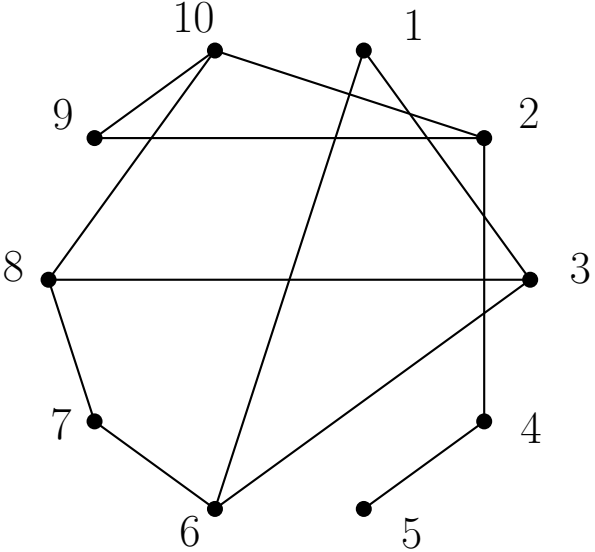
El graf NO és connex perquè el cc d'1 és diferent del conjunt de vèrtexs (no hi ha cap cam d'1 als vèrtexs 3, 6, 8, 10). L'excentricitat d'1 és  $\infty$  (de fet, tots els vèrtexs tenen excentricitat  $\infty$ ). Per tant, tant el radi com el diàmetre és  $\infty$ .



1	2	3	4	5	6	7	8	9	10
3	4	1	2	4	1	6	3	2	2
6	9	6	5		3	8	7	10	8
	10	8			7		10		9

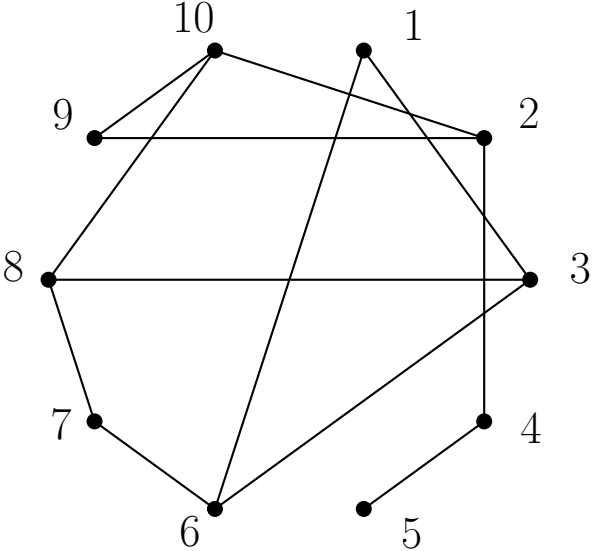






1	2	3	4	5	6	7	8	9	10
3	4	1	2	4	1	6	3	2	2
6	9	6	5		3	8	7	10	8
	10	8			7		10		9

$u$	1	2	3	4	5	6	7	8	9	10
$e(u)$	6	4	5	5	6	6	5	4	4	3



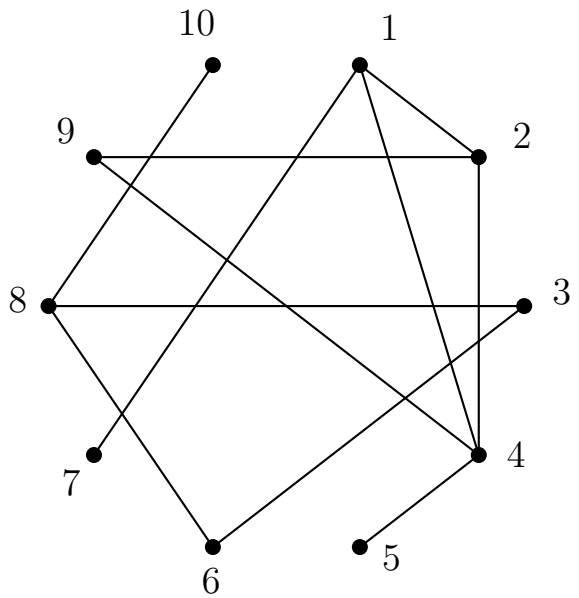
1	2	3	4	5	6	7	8	9	10
3	4	1	2	4	1	6	3	2	2
6	9	6	5		3	8	7	10	8
	10	8			7		10		9

$u$	1	2	3	4	5	6	7	8	9	10
$e(u)$	6	4	5	5	6	6	5	4	4	3

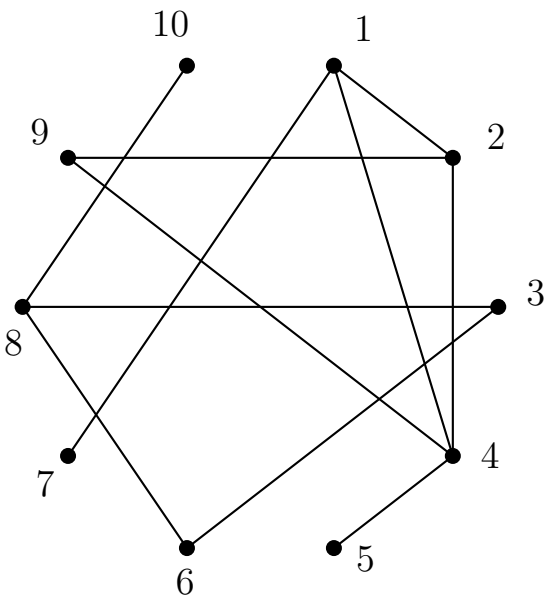
radi: 3      diàmetre: 6

conjunt de vèrtexs centrals:  $\{10\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						



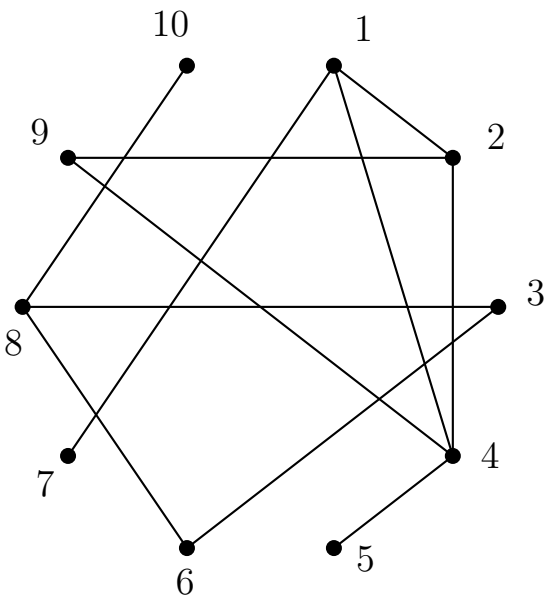
1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$       $y :$

$A(T)$ :



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

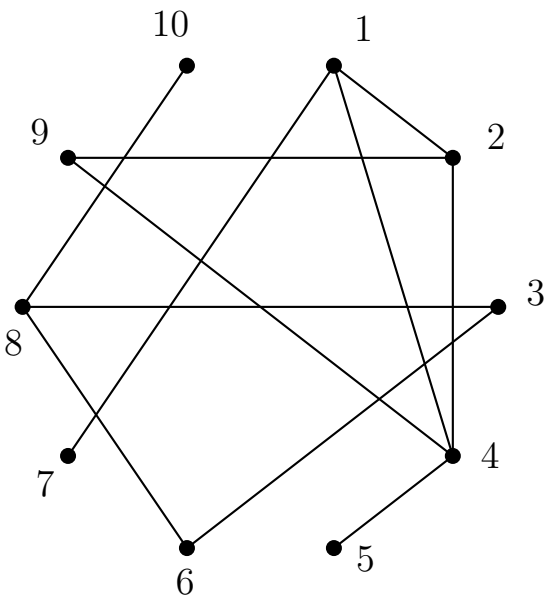
Cua:

$W$ :

$x :$        $y :$

1

$A(T)$ :



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

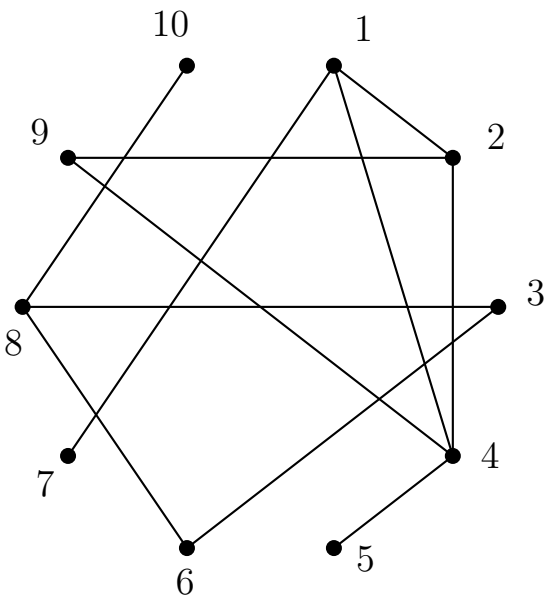
$x :$        $y :$

1

$\{1\}$

$A(T)$ :

$\{\}$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1

$W$ :

$\{1\}$

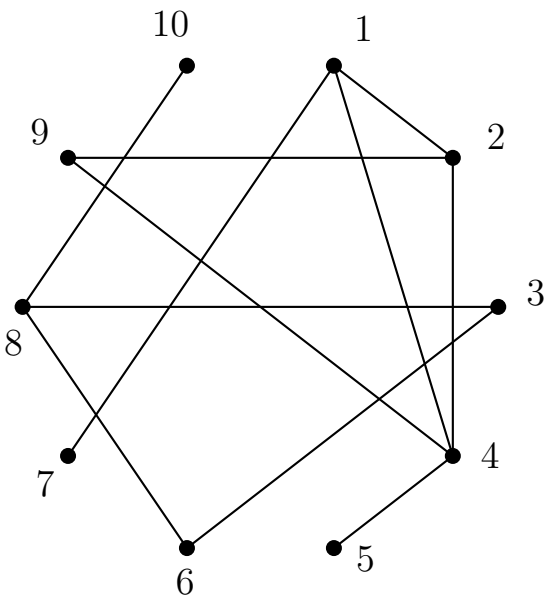
$A(T)$ :

$\{\}$

$x :$

1

$y :$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1

$W$ :

$\{1\}$

$A(T)$ :

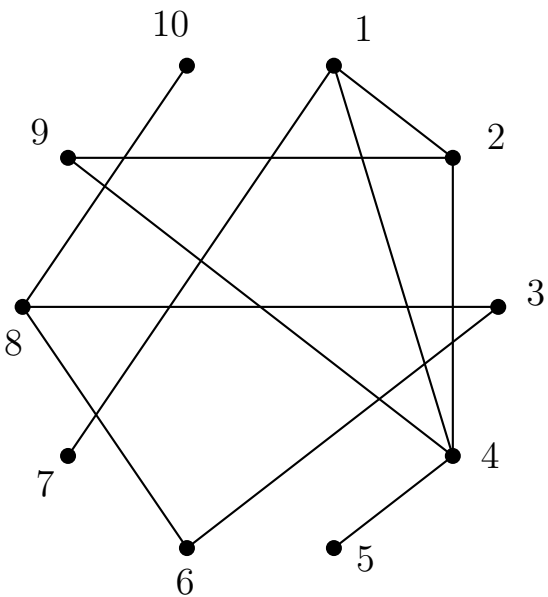
$\{\}$

$x :$

1

$y :$

2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1, 2

$W$ :

$\{1\}$

$A(T)$ :

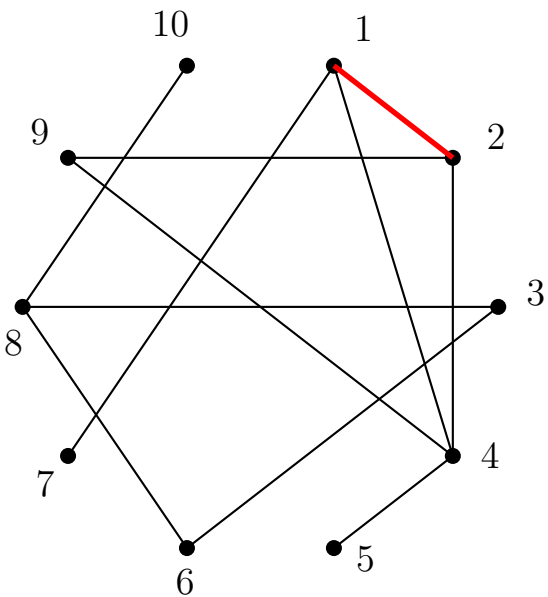
$\{\}$

$x :$

1

$y :$

2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2

$W$ :

$\{1, 2\}$

$A(T)$ :

$\{12\}$

$x :$

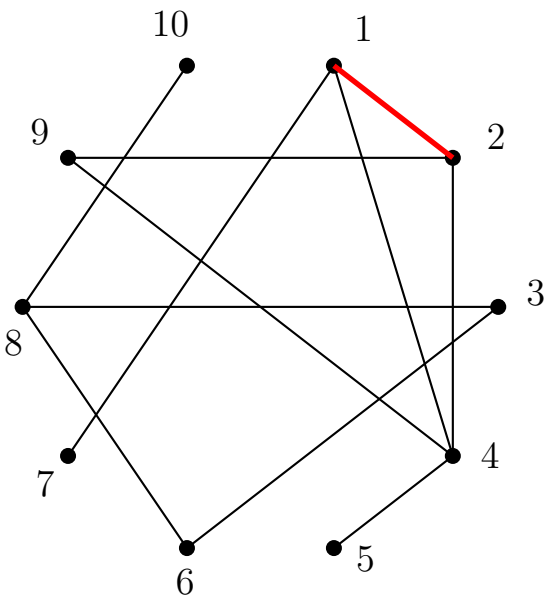
1

$y :$

2







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2

$W$ :

$\{1, 2\}$

$A(T)$ :

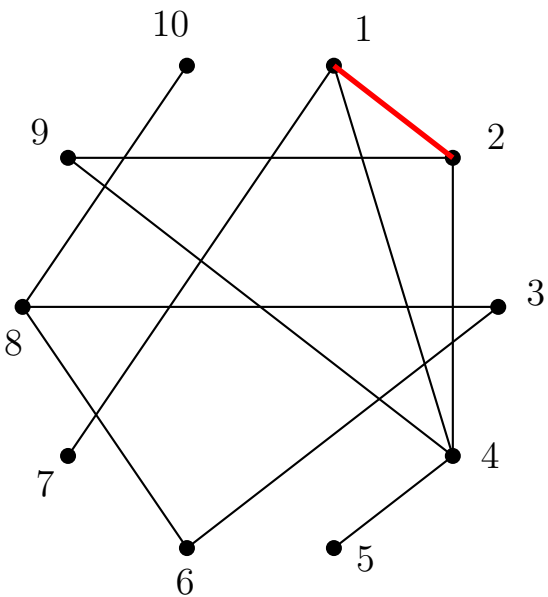
$\{12\}$

$x :$

$y :$

1





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2

$W$ :

$\{1, 2\}$

$A(T)$ :

$\{12\}$

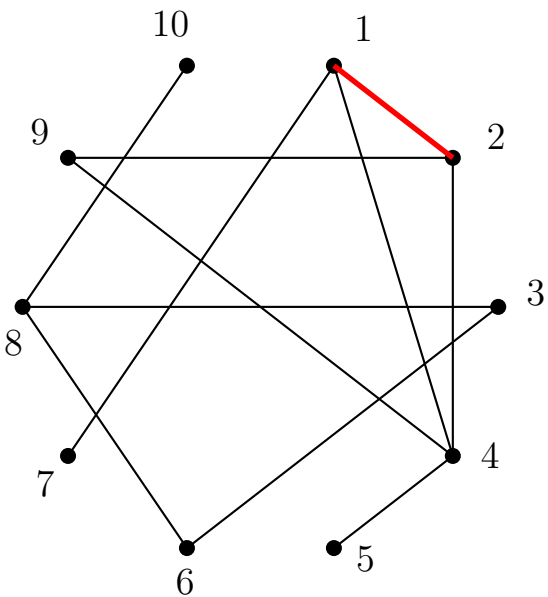
$x :$

1

$y :$

4





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1, 2, 4

$W$ :

$\{1, 2\}$

$x :$

1

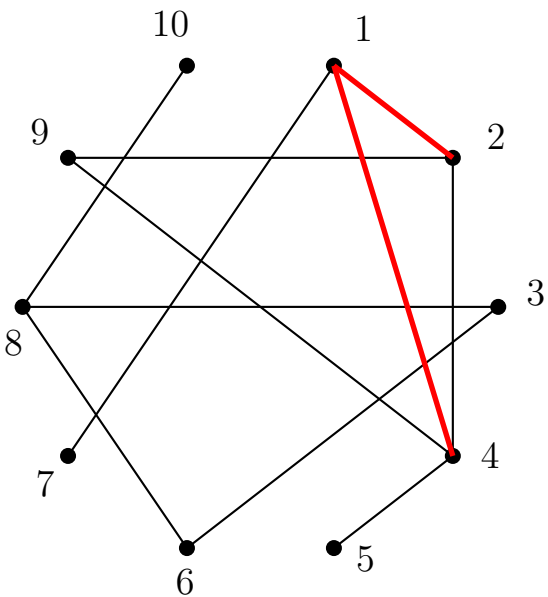
$y :$

4

$A(T)$ :

$\{12\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4

$W$ :

$\{1, 2, 4\}$

$x :$

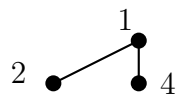
1

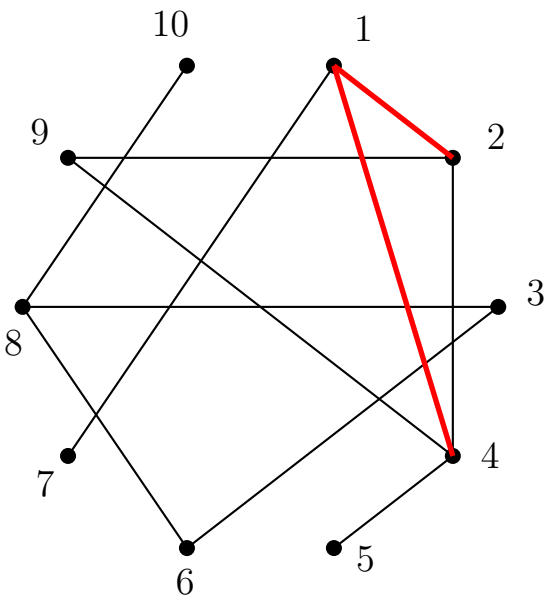
$y :$

4

$A(T)$ :

$\{12, 14\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4

$W$ :

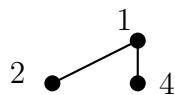
$\{1, 2, 4\}$

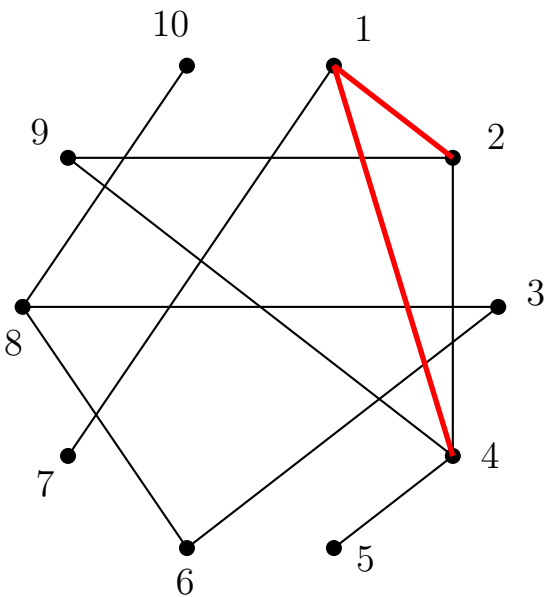
$x :$        $y :$

1

$A(T)$ :

$\{12, 14\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4

$W$ :

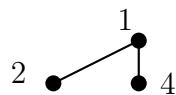
$\{1, 2, 4\}$

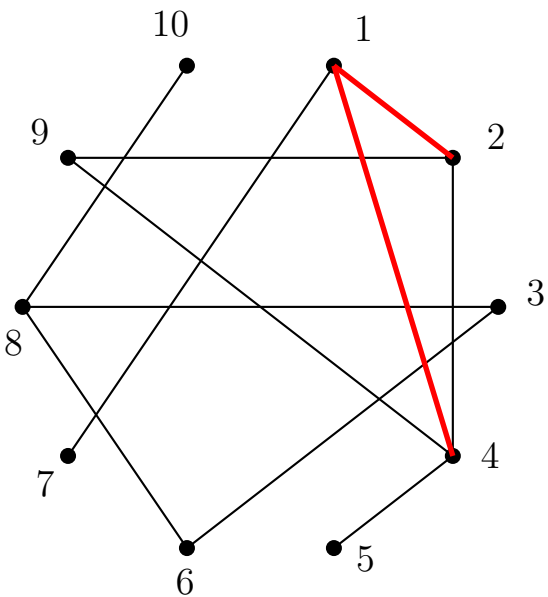
$x :$        $y :$

1          7

$A(T)$ :

$\{12, 14\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4, 7

$W$ :

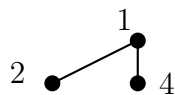
$\{1, 2, 4\}$

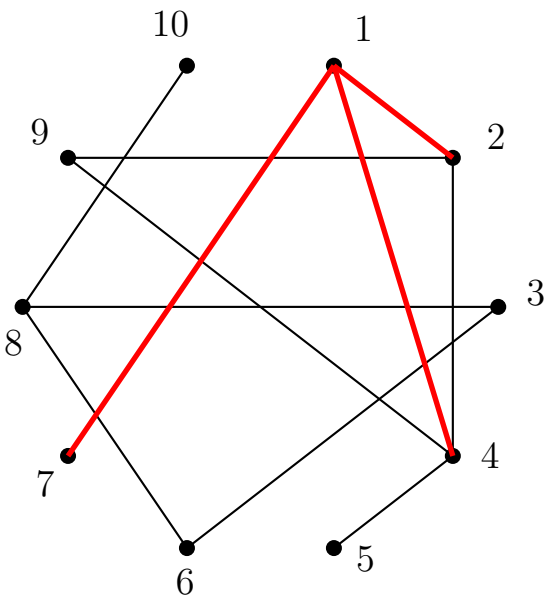
$x :$        $y :$

1          7

$A(T)$ :

$\{12, 14\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4, 7

$W$ :

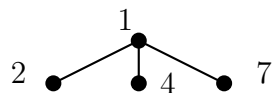
$\{1, 2, 4, 7\}$

$x :$        $y :$

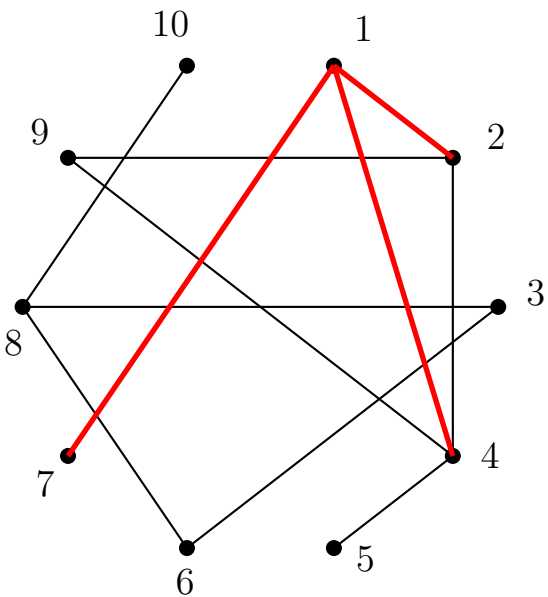
1          7

$A(T)$ :

$\{12, 14, 17\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

1, 2, 4, 7

$W$ :

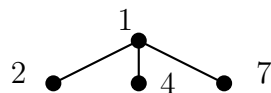
$\{1, 2, 4, 7\}$

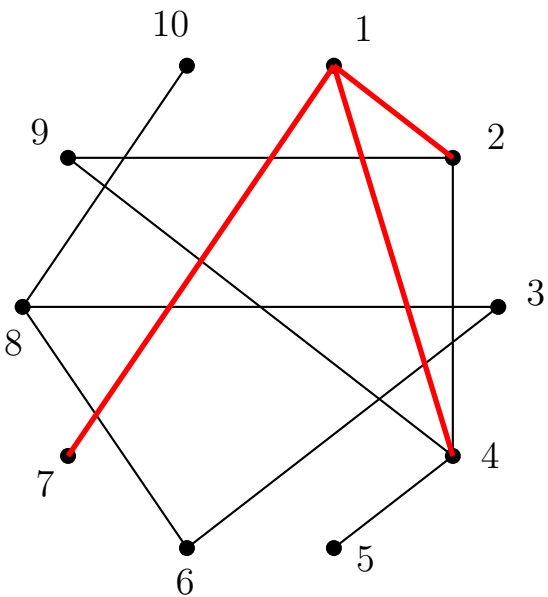
$x :$        $y :$

1

$A(T)$ :

$\{12, 14, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

1, 2, 4, 7

$W$ :

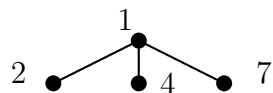
$\{1, 2, 4, 7\}$

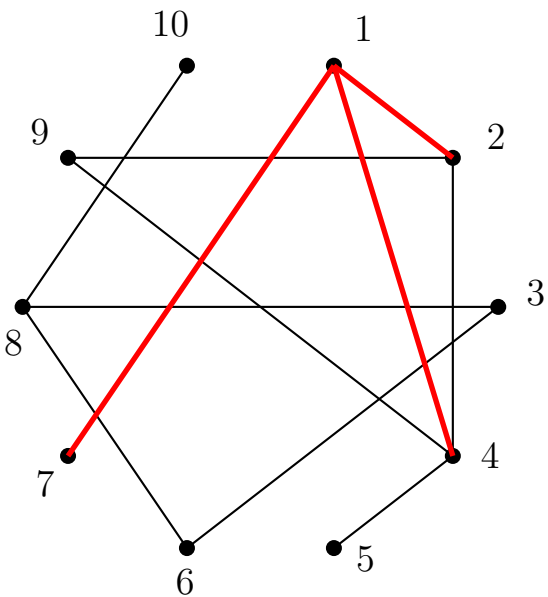
$x :$        $y :$

1          —

$A(T)$ :

$\{12, 14, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

2, 4, 7

$W$ :

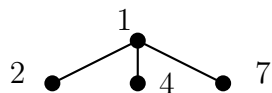
$\{1, 2, 4, 7\}$

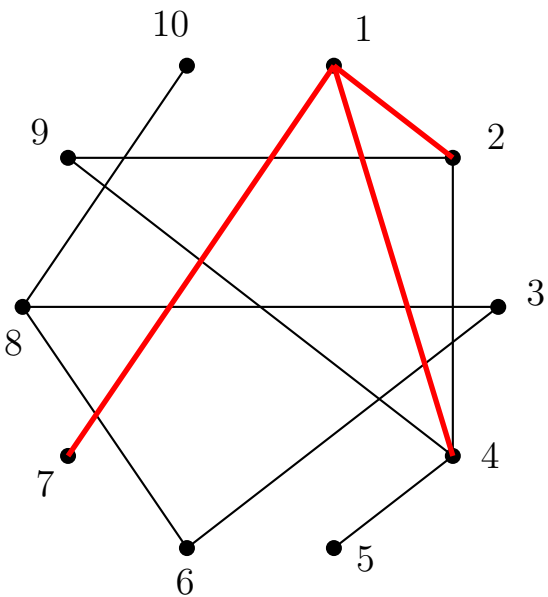
$A(T)$ :

$\{12, 14, 17\}$

$x :$        $y :$

1          —





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7

$W$ :

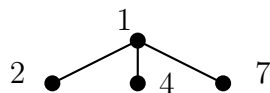
$\{1, 2, 4, 7\}$

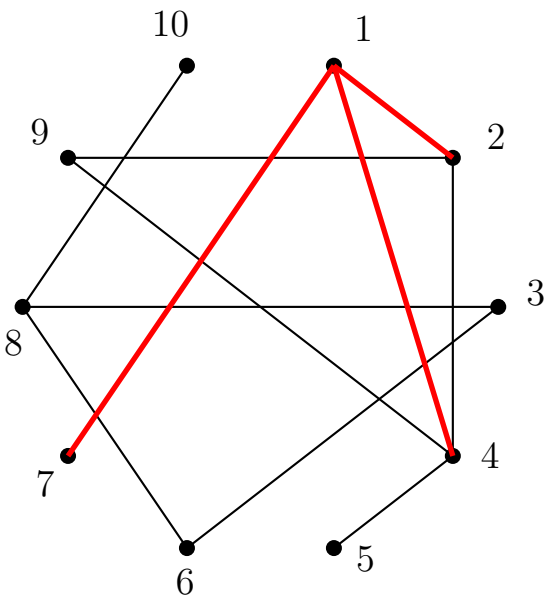
$x :$        $y :$

2

$A(T)$ :

$\{12, 14, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7

$W$ :

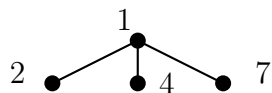
$\{1, 2, 4, 7\}$

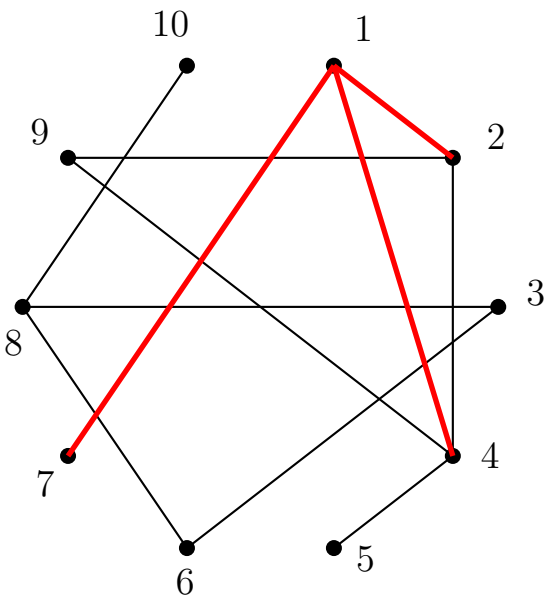
$x :$        $y :$

2          9

$A(T)$ :

$\{12, 14, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

2, 4, 7, 9

$W$ :

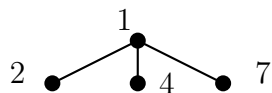
$\{1, 2, 4, 7\}$

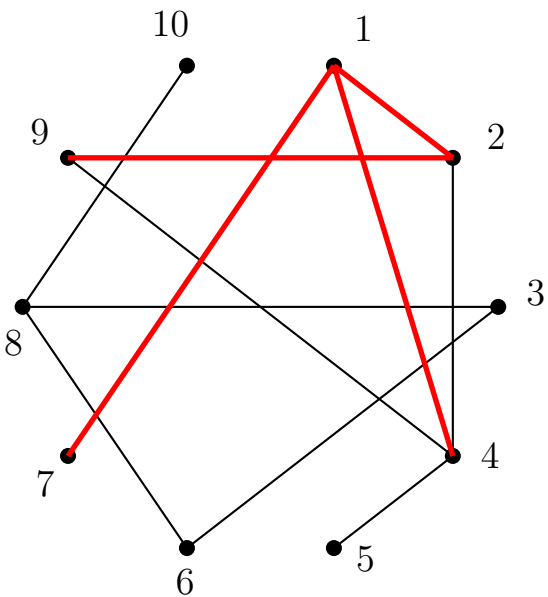
$x :$        $y :$

2          9

$A(T)$ :

$\{12, 14, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

2, 4, 7, 9

$W$ :

$\{1, 2, 4, 7, 9\}$

$x$  :

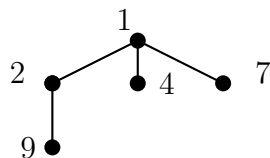
2

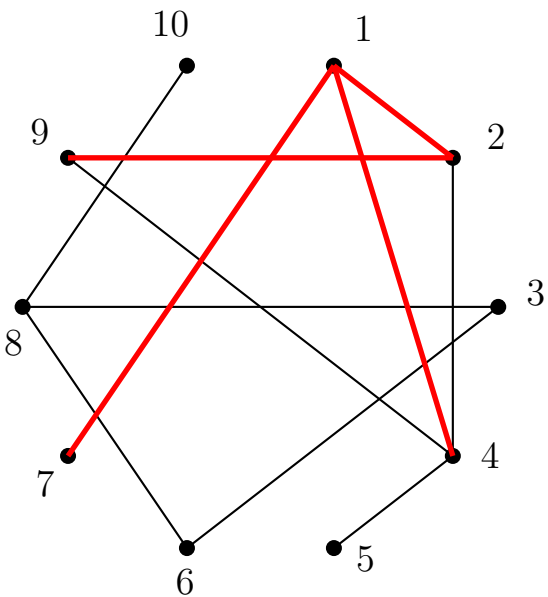
$y$  :

9

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

2, 4, 7, 9

$W$ :

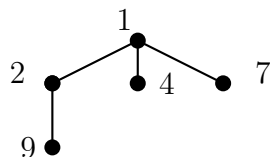
$\{1, 2, 4, 7, 9\}$

$x :$        $y :$

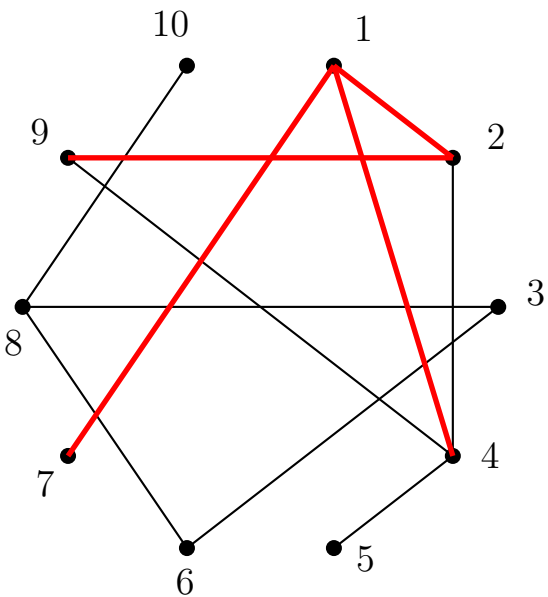
2

$A(T)$ :

$\{12, 14, 17, 29\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

2, 4, 7, 9

$W$ :

$\{1, 2, 4, 7, 9\}$

$x :$

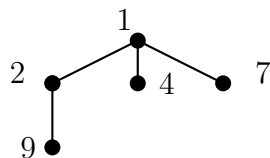
2

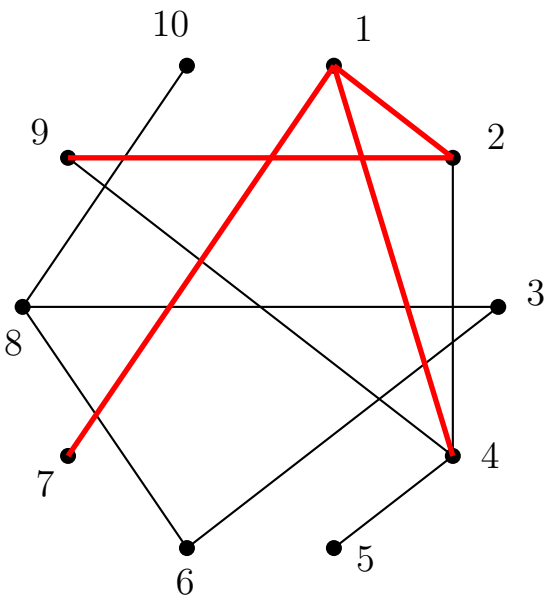
$y :$

—

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

4, 7, 9

$W$ :

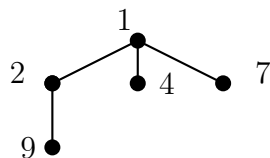
$\{1, 2, 4, 7, 9\}$

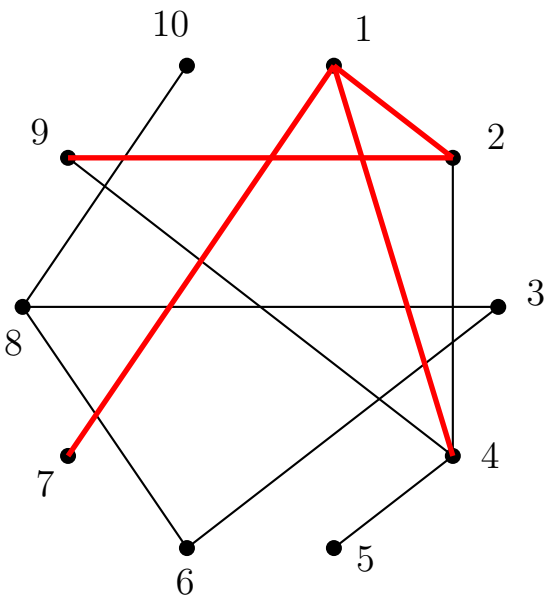
$x :$        $y :$

2      —

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9

$W$ :

$\{1, 2, 4, 7, 9\}$

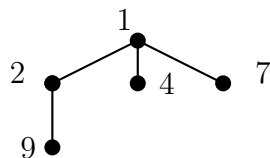
$x :$

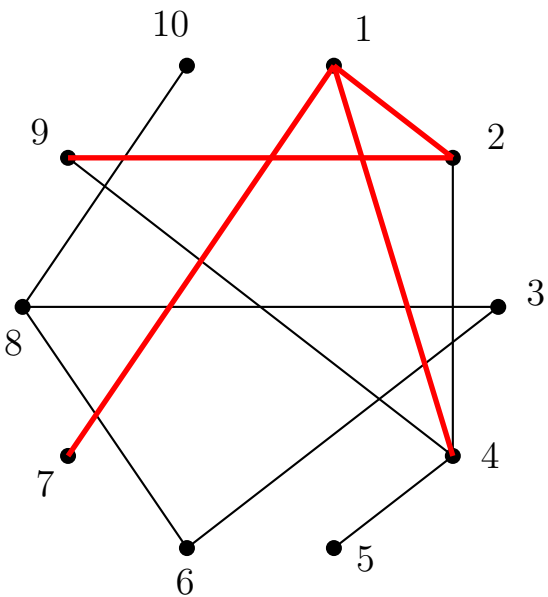
$y :$

4

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9

$W$ :

$\{1, 2, 4, 7, 9\}$

$x$  :

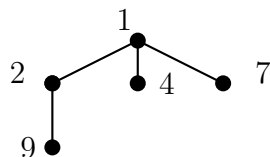
4

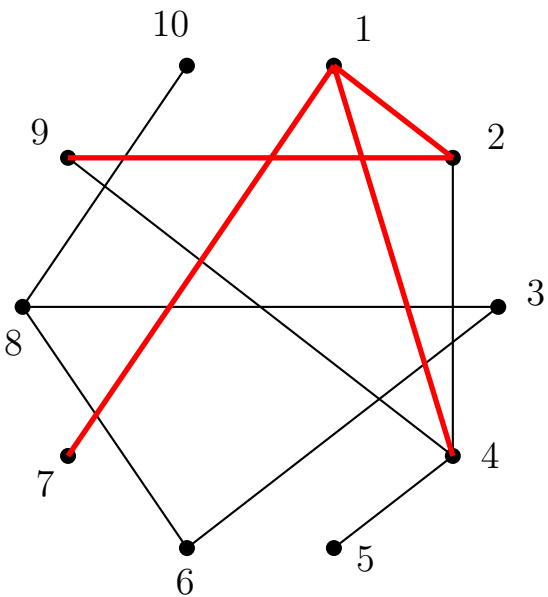
$y$  :

5

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

4, 7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9\}$

$x :$

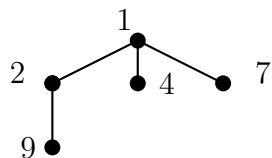
4

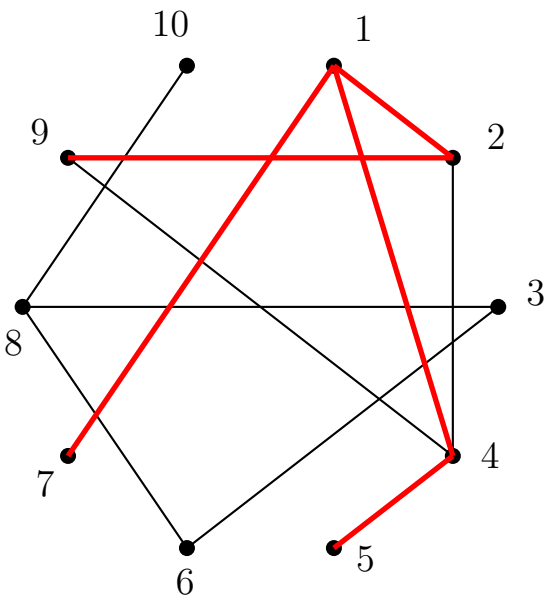
$y :$

5

$A(T)$ :

$\{12, 14, 17, 29\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x$  :

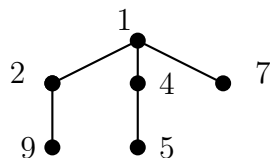
4

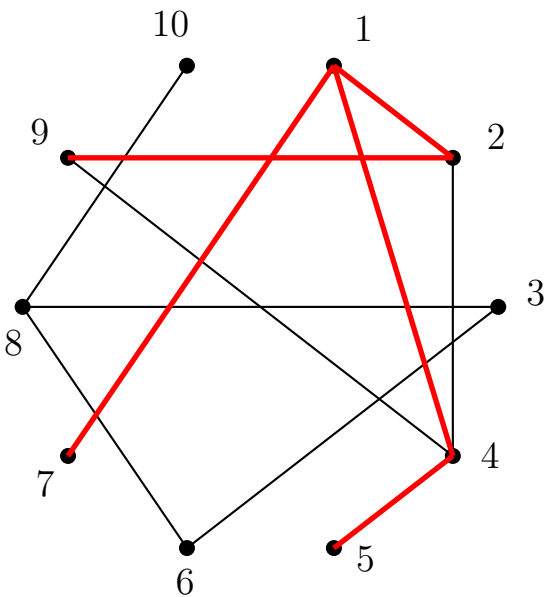
$y$  :

5

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

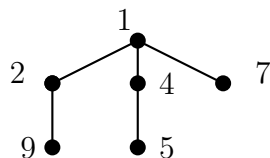
$x :$

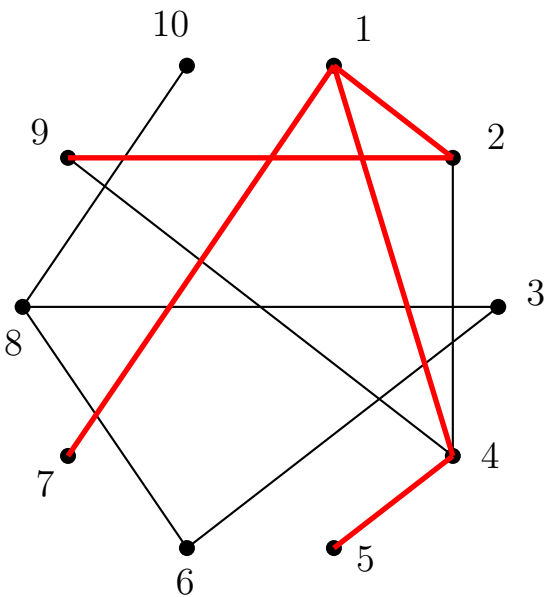
$y :$

4

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

4, 7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

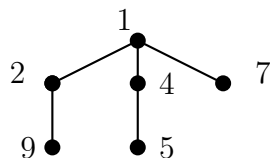
4

$y :$

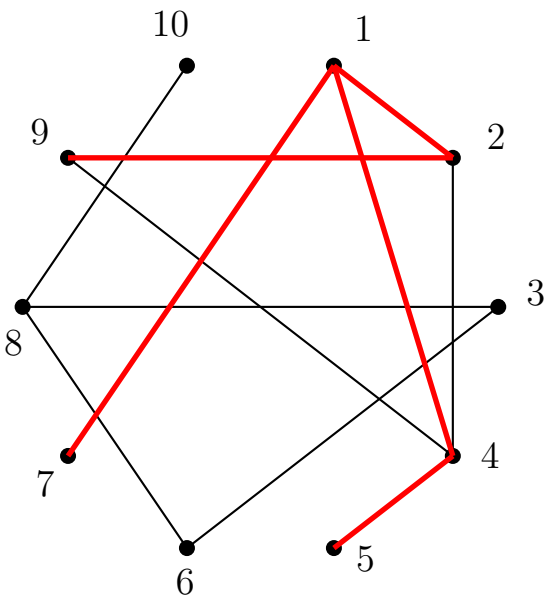
—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

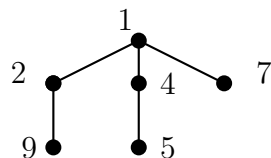
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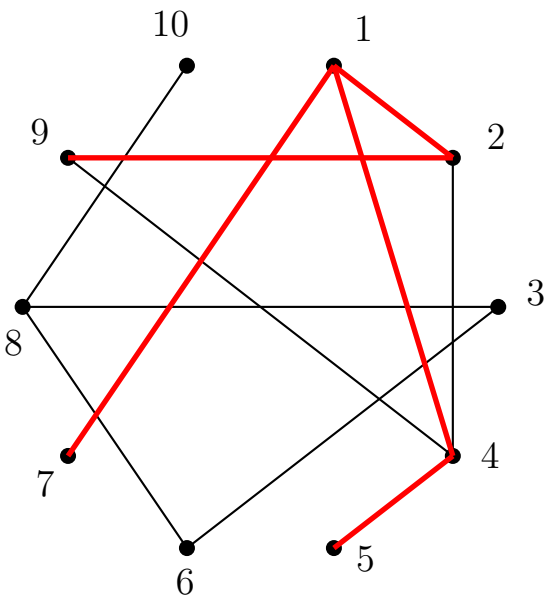
$y :$

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

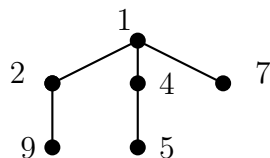
$x :$

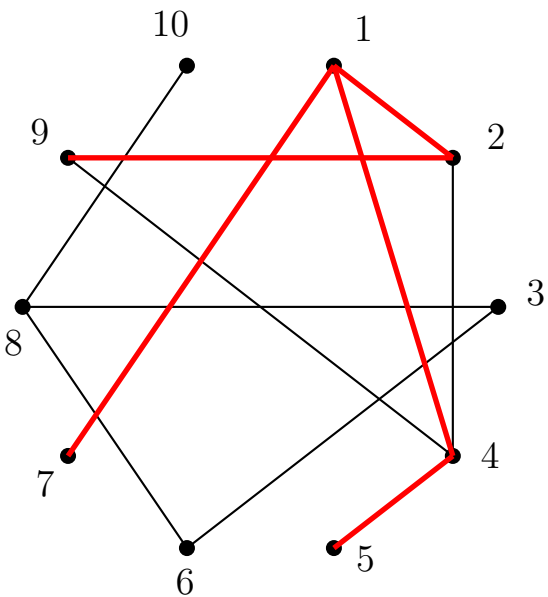
$y :$

7

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

7, 9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

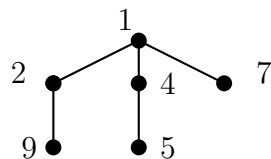
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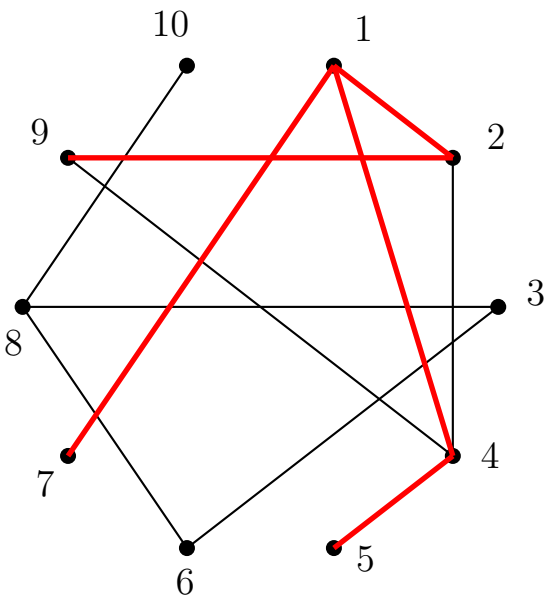
$y :$

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

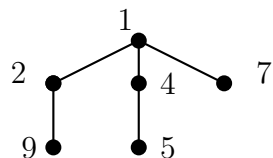
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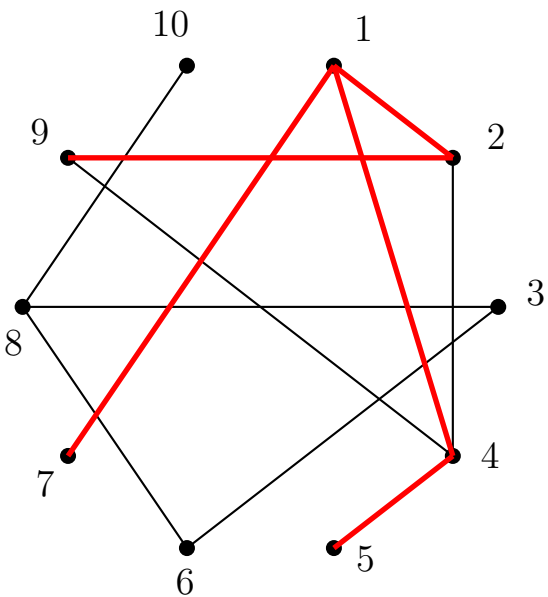
$y :$

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		

Cua:

9, 5

$W$ :

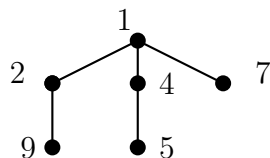
$\{1, 2, 4, 7, 9, 5\}$

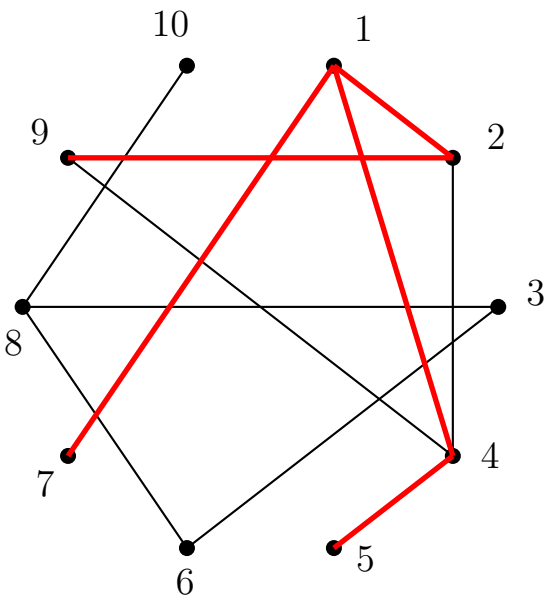
$x :$        $y :$

9

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

9, 5

$W$ :

$\{1, 2, 4, 7, 9, 5\}$

$x :$

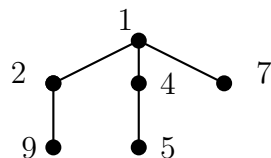
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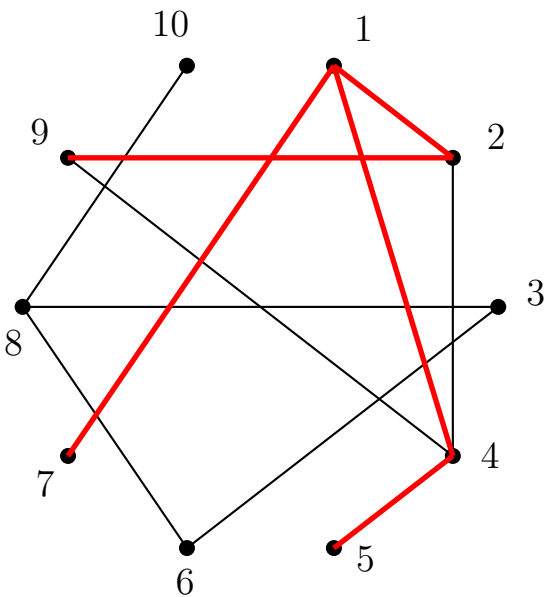
$y :$

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$

$y :$

5

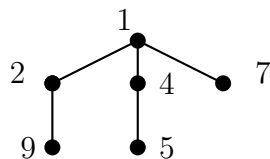
$\{1, 2, 4, 7, 9, 5\}$

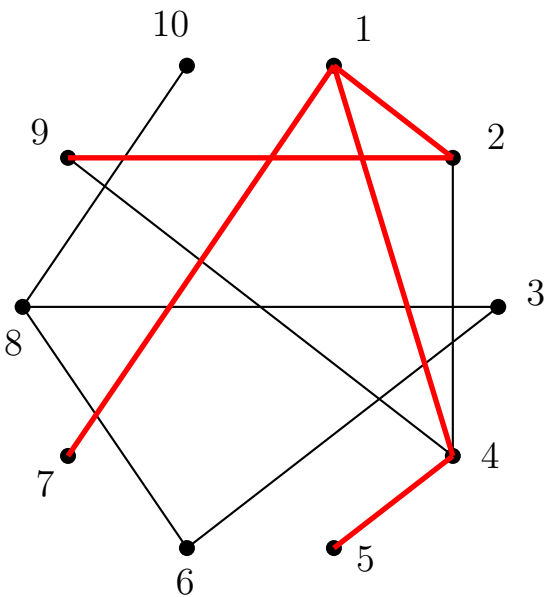
9

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$        $y :$

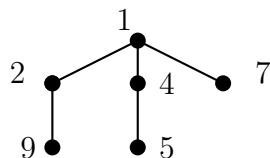
5

$\{1, 2, 4, 7, 9, 5\}$

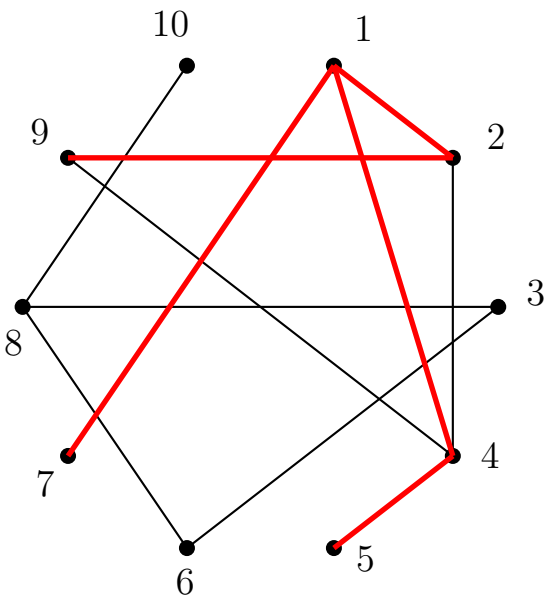
5

$A(T)$ :

$\{12, 14, 17, 29, 45\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

$x :$      $y :$

5

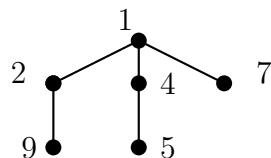
$\{1, 2, 4, 7, 9, 5\}$

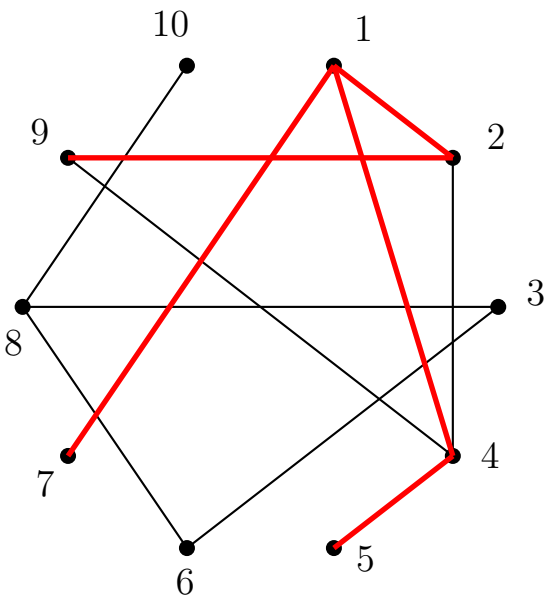
5

—

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

$W$ :

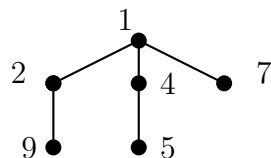
$x :$        $y :$

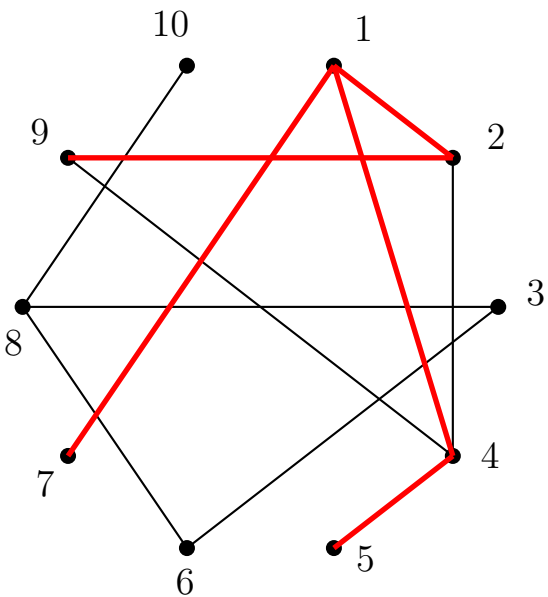
$\{1, 2, 4, 7, 9, 5\}$

5      —

$A(T)$ :

$\{12, 14, 17, 29, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Cua:

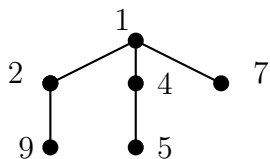
$W$ :

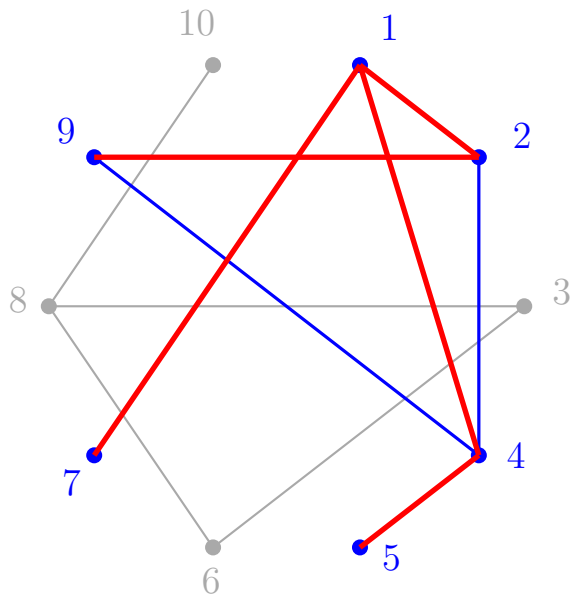
$x :$        $y :$

$\{1, 2, 4, 7, 9, 5\}$

$A(T)$ :

$\{12, 14, 17, 29, 45\}$



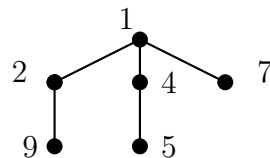


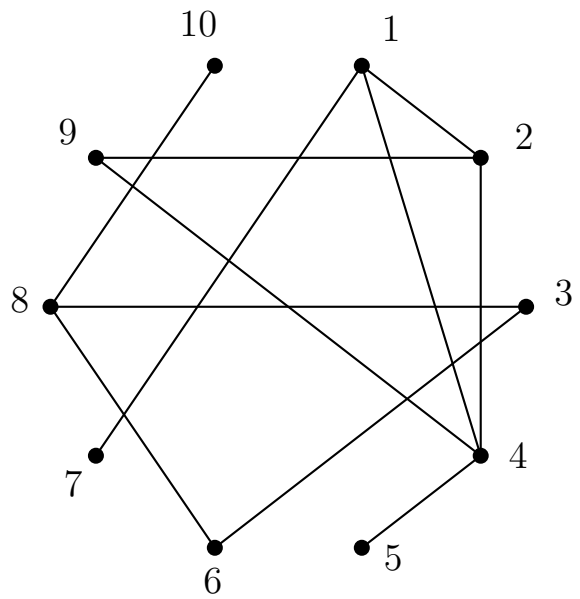
1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Vèrtexs del component connex d'1:  $\{1,2,4,5,7,9\}$

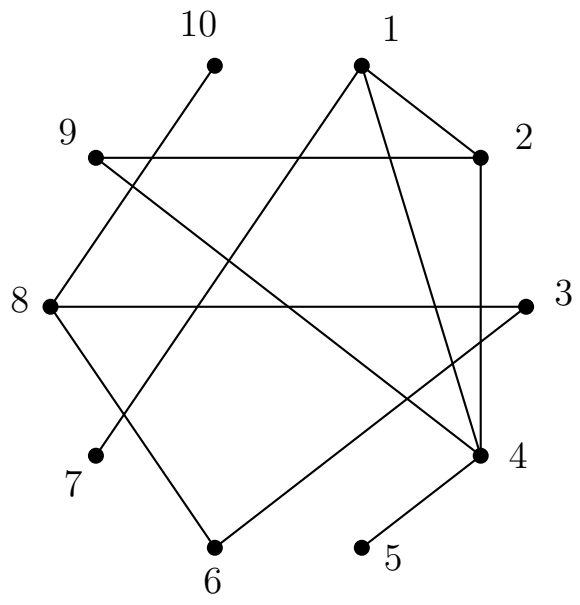
Arestes d'un arbre generador del cc d'1:

$\{12,14,17,29,45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						



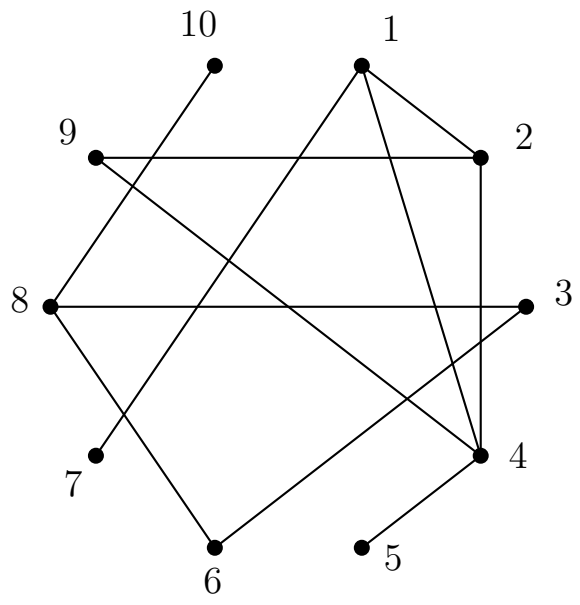
1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W:$

$x :$        $y :$

$A(T) :$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W:$

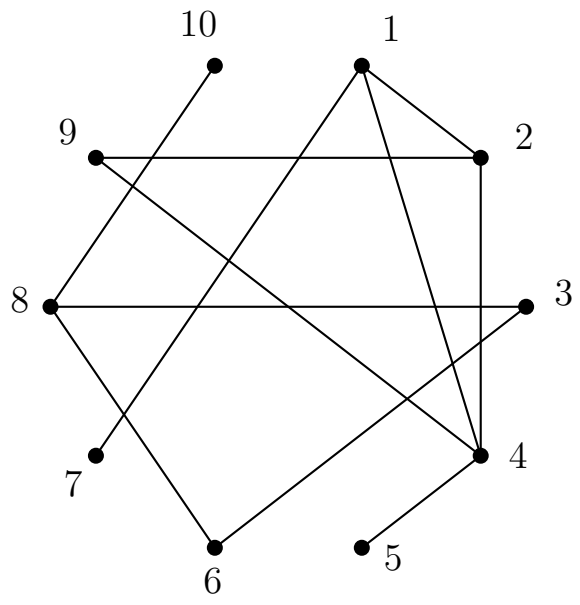
$x :$        $y :$

$\{1\}$

1

$A(T) :$

$\{\}$



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

1

$W:$

$\{1\}$

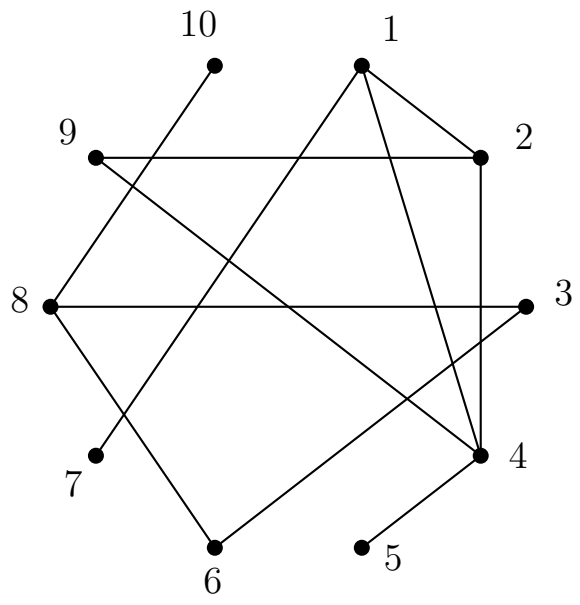
$A(T) :$

$\{\}$

$x : \quad y :$

1





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

1

$W:$

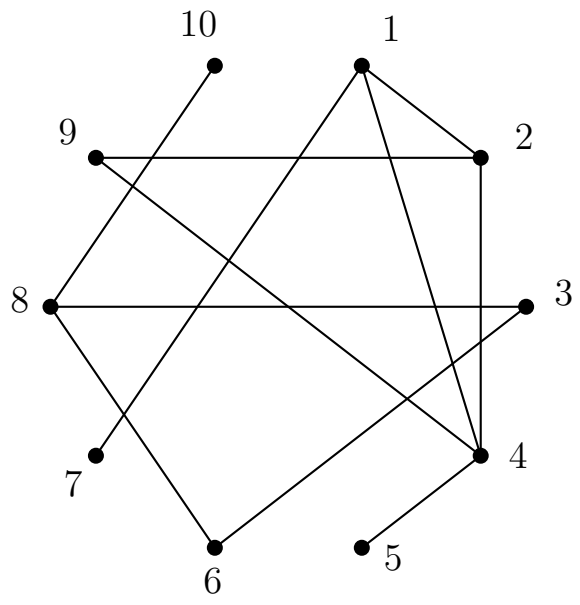
$\{1\}$

$A(T) :$

$\{\}$

$x : \quad y :$

1      2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

2
1

$W:$

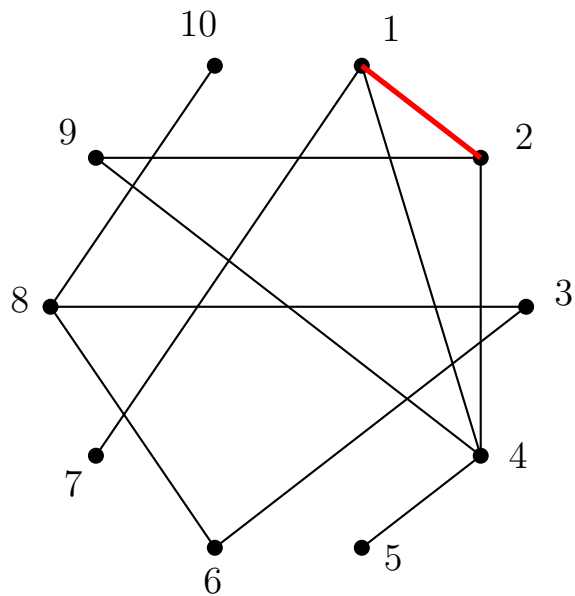
$\{1\}$

$A(T) :$

$\{\}$

$x :$        $y :$

1          2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

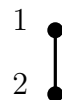
2
1

$W$ :

$\{1, 2\}$

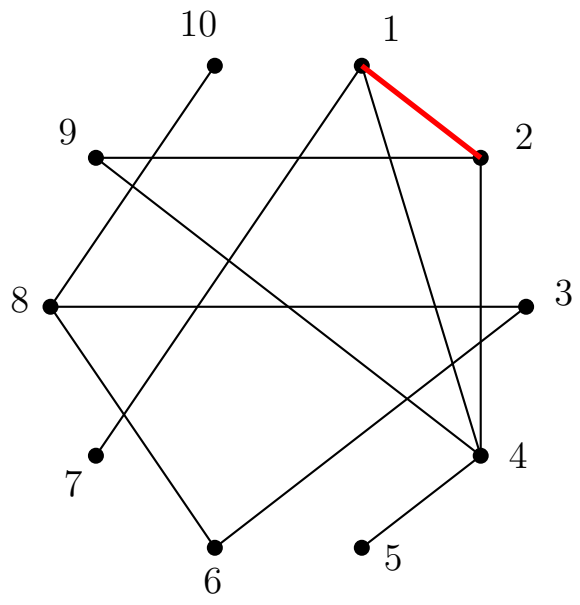
$A(T)$  :

$\{12\}$



$x :$        $y :$

1          2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

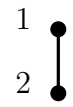
2
1

$W$ :

$\{1, 2\}$

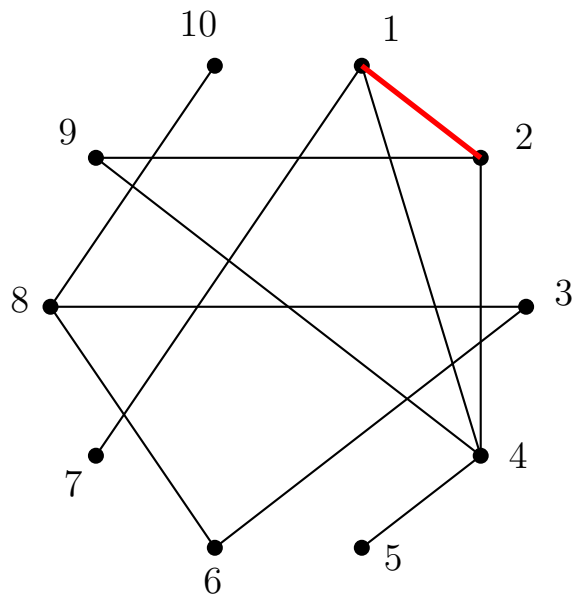
$A(T)$  :

$\{12\}$



$x :$        $y :$

2



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

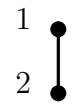
2
1

$W$ :

$\{1, 2\}$

$A(T)$  :

$\{12\}$

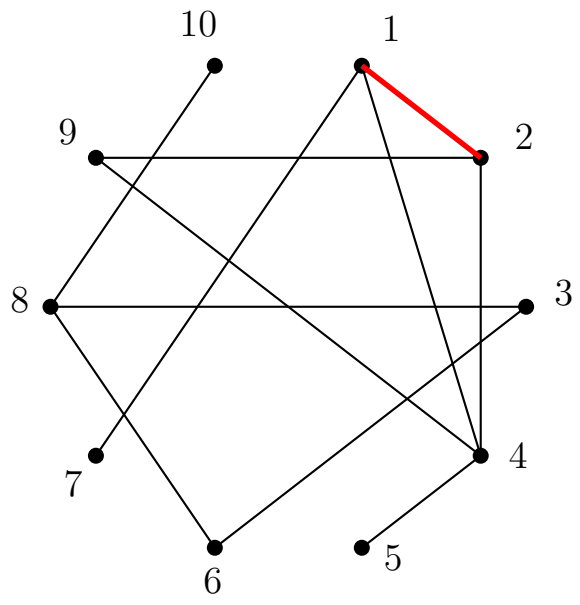


$x :$

2

$y :$

4



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

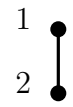
4
2
1

$W$ :

$\{1, 2\}$

$A(T)$  :

$\{12\}$

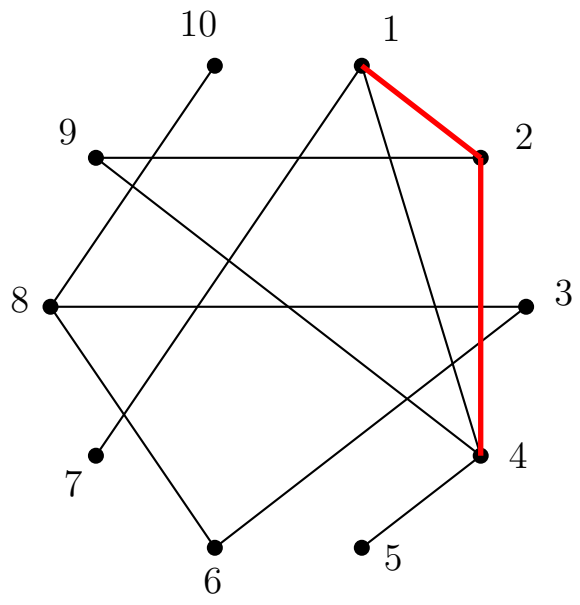


$x :$

2

$y :$

4



1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

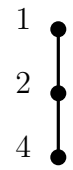
$\{1, 2, 4\}$

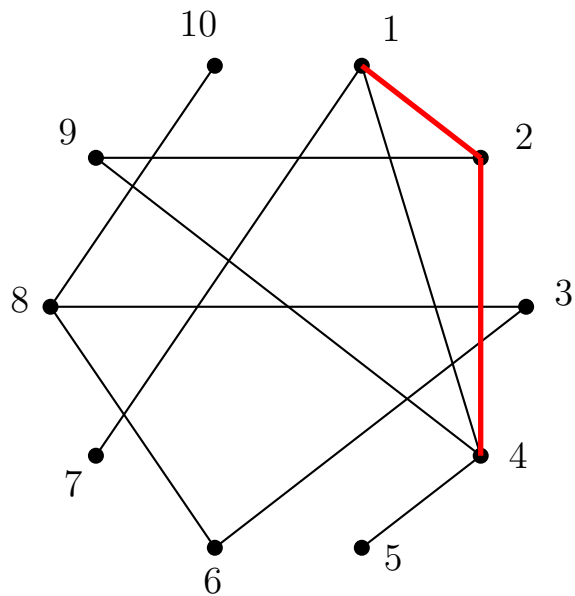
$A(T)$  :

$\{12, 24\}$

$x :$        $y :$

2          4





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

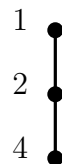
$\{1, 2, 4\}$

$A(T)$  :

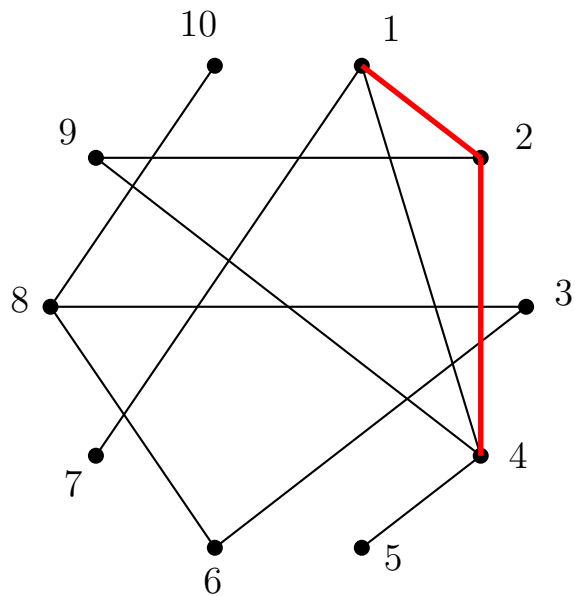
$\{12, 24\}$

$x :$        $y :$

4







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

$\{1, 2, 4\}$

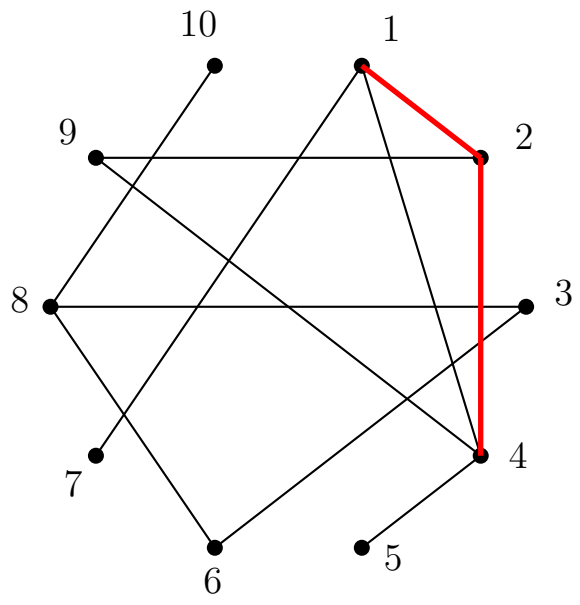
$A(T)$  :

$\{12, 24\}$

$x :$        $y :$

4          5





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

5
4
2
1

$W:$

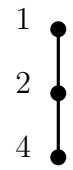
$\{1, 2, 4\}$

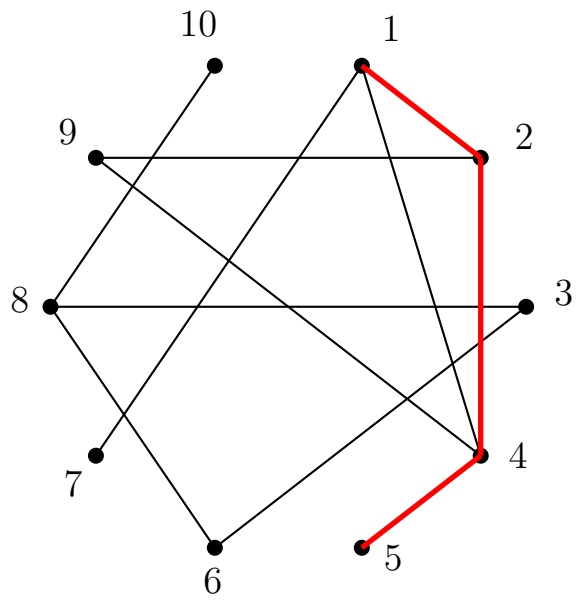
$A(T) :$

$\{12, 24\}$

$x : \quad y :$

4      5





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

- 5
- 4
- 2
- 1

$W:$

$\{1, 2, 4, 5\}$

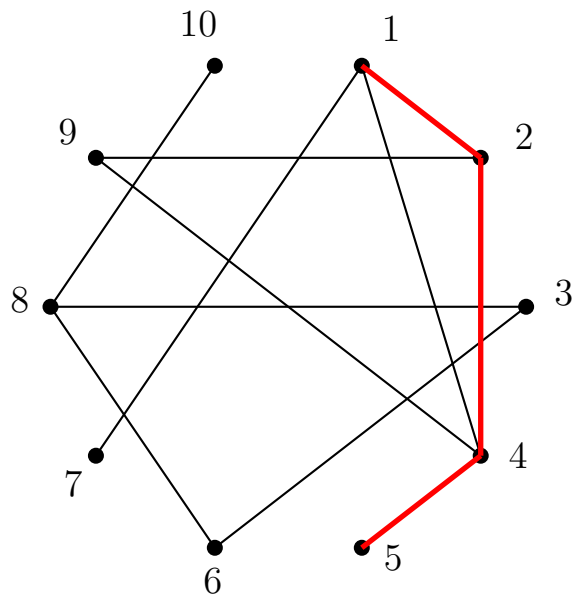
$x :$        $y :$

4          5

$A(T) :$

$\{12, 24, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

5
4
2
1

$W:$

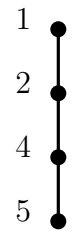
$\{1, 2, 4, 5\}$

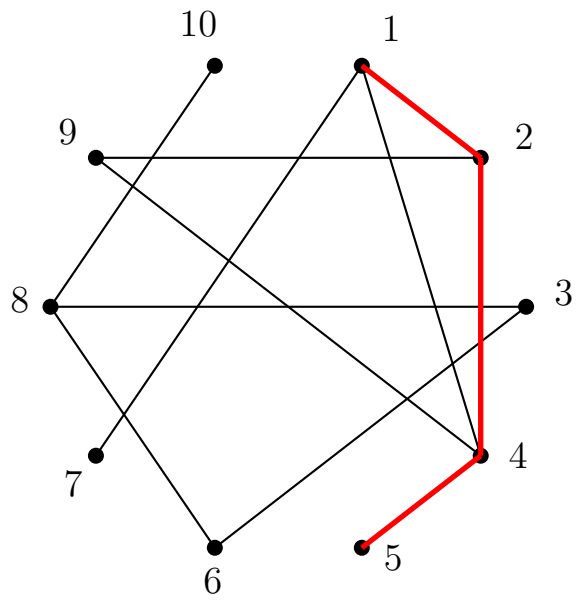
$x :$        $y :$

5

$A(T) :$

$\{12, 24, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

5
4
2
1

$W:$

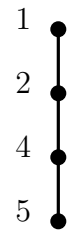
$\{1, 2, 4, 5\}$

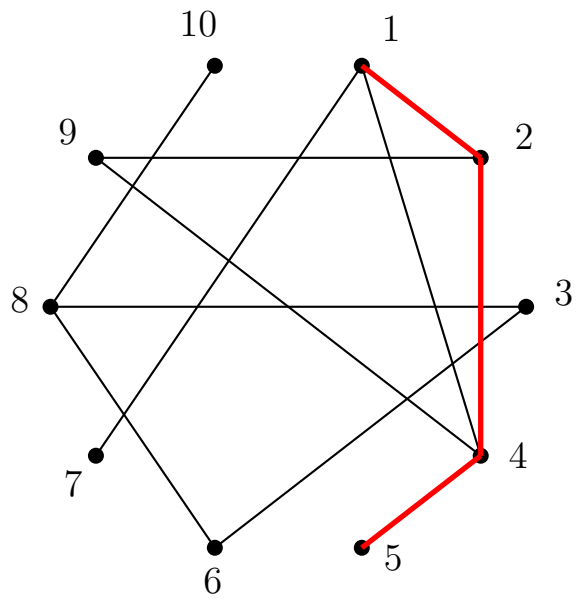
$A(T) :$

$\{12, 24, 45\}$

$x : \quad y :$

5      —





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

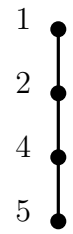
$W$ :

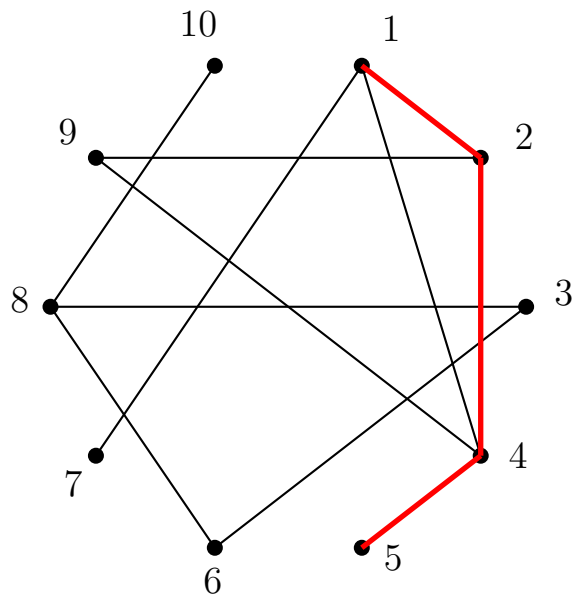
$\{1, 2, 4, 5\}$

$x :$        $y :$

$A(T) :$

$\{12, 24, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

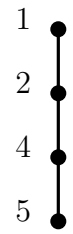
$\{1, 2, 4, 5\}$

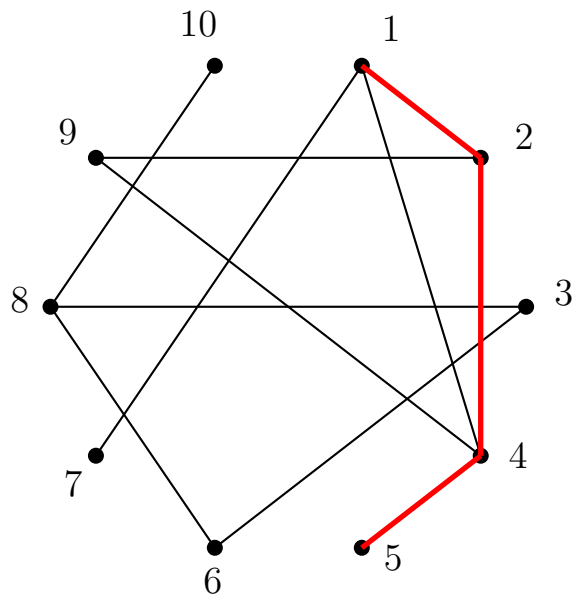
$x :$        $y :$

4

$A(T) :$

$\{12, 24, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

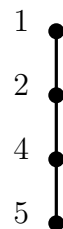
$\{1, 2, 4, 5\}$

$x :$        $y :$

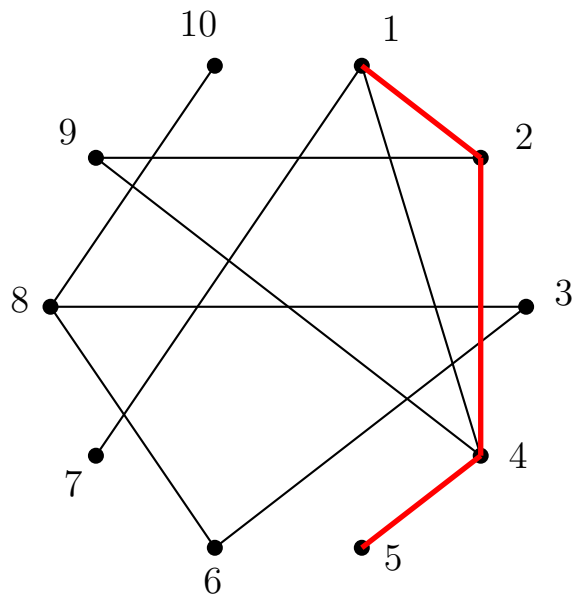
4          9

$A(T) :$

$\{12, 24, 45\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

9
4
2
1

$W:$

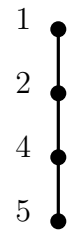
$\{1, 2, 4, 5\}$

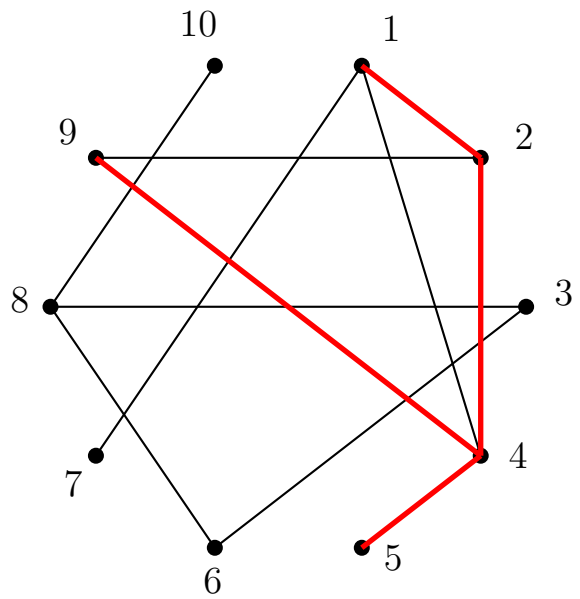
$x :$        $y :$

4            9

$A(T) :$

$\{12, 24, 45\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

- 9
- 4
- 2
- 1

$W:$

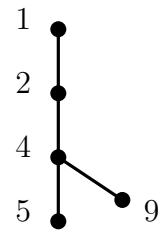
$\{1, 2, 4, 5, 9\}$

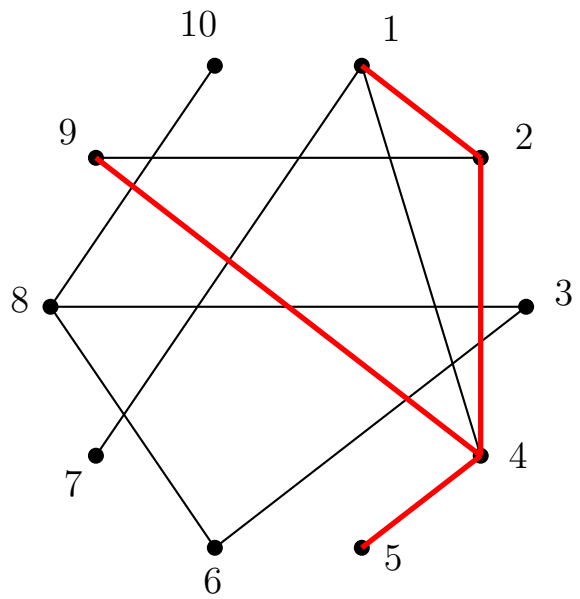
$x :$        $y :$

4            9

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

- 9
- 4
- 2
- 1

$W:$

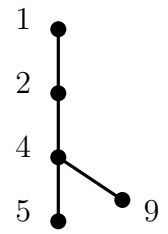
$\{1, 2, 4, 5, 9\}$

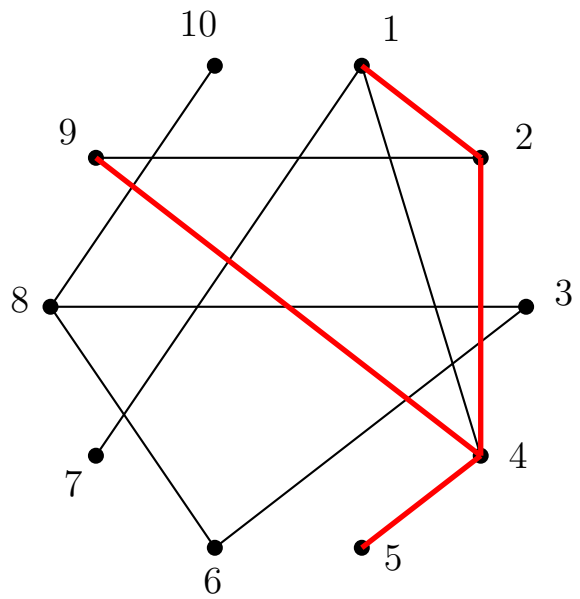
$x : \quad y :$

9

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

- 9
- 4
- 2
- 1

$W:$

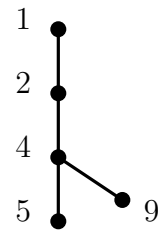
$\{1, 2, 4, 5, 9\}$

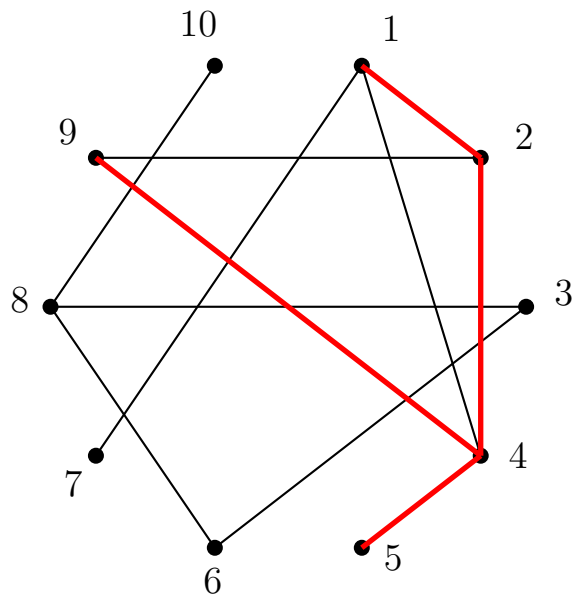
$x : \quad y :$

9      —

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

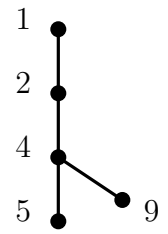
$W$ :

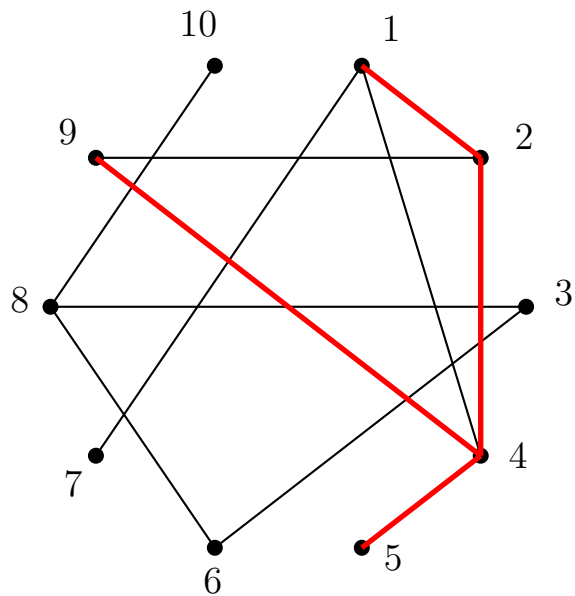
$\{1, 2, 4, 5, 9\}$

$x :$        $y :$

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

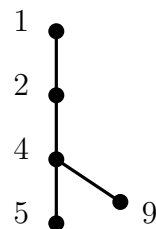
$\{1, 2, 4, 5, 9\}$

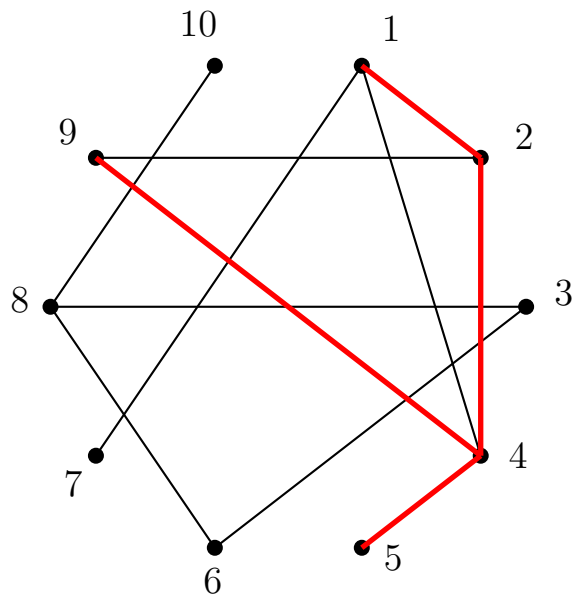
$x :$        $y :$

4

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

4
2
1

$W$ :

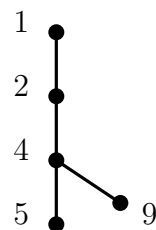
$\{1, 2, 4, 5, 9\}$

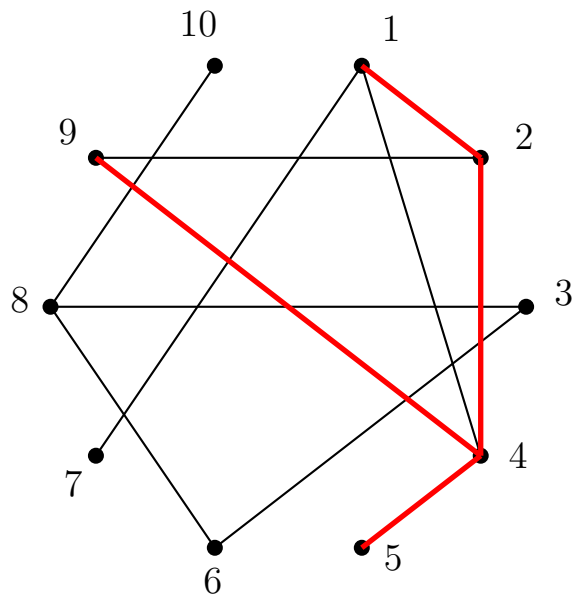
$x :$        $y :$

4            —

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

2
1

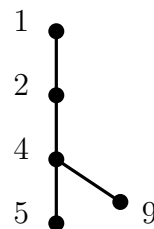
$W$ :

$\{1, 2, 4, 5, 9\}$

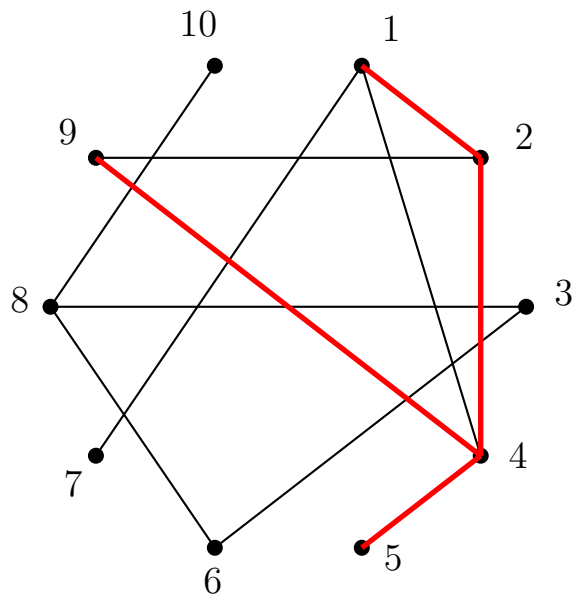
$x :$        $y :$

$A(T) :$

$\{12, 24, 45, 49\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

2
1

$W$ :

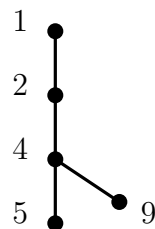
$\{1, 2, 4, 5, 9\}$

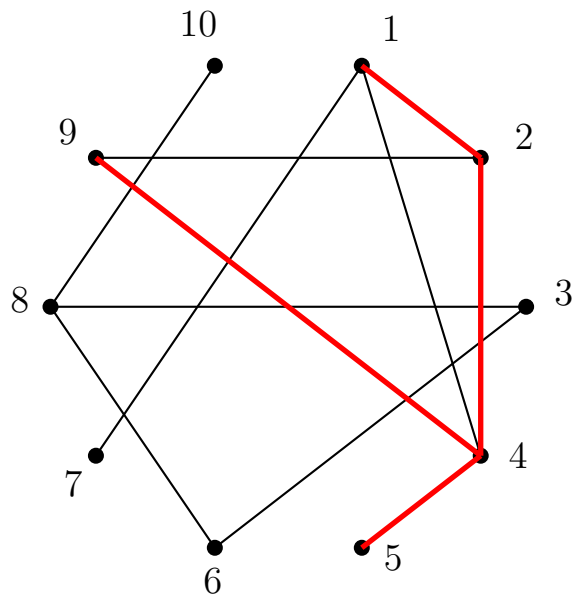
$x :$        $y :$

2

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

2
1

$W$ :

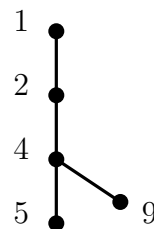
$\{1, 2, 4, 5, 9\}$

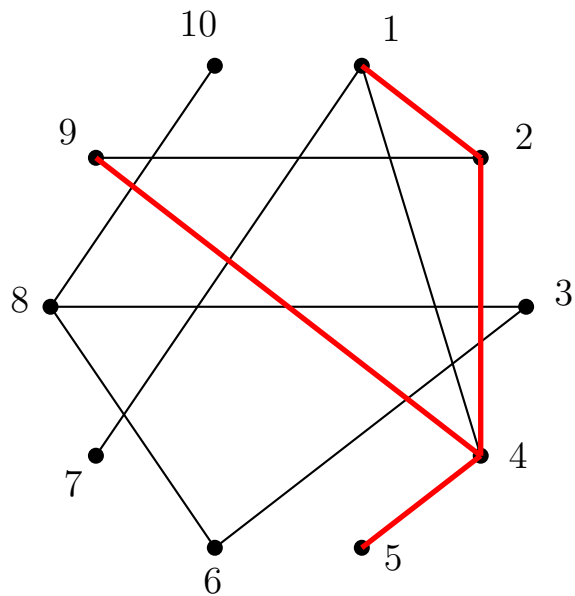
$A(T)$  :

$\{12, 24, 45, 49\}$

$x :$        $y :$

2          —





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W$ :

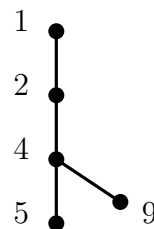
$x :$        $y :$

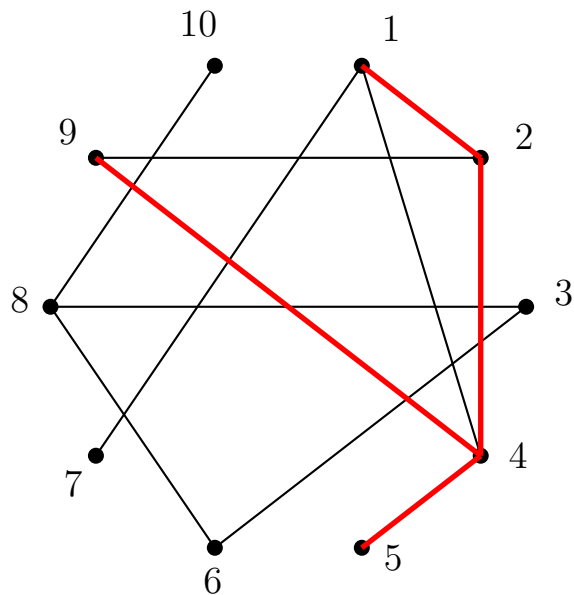
$\{1, 2, 4, 5, 9\}$

1

$A(T) :$

$\{12, 24, 45, 49\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

1

$W$ :

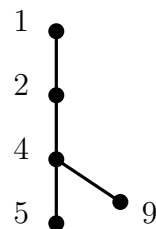
$\{1, 2, 4, 5, 9\}$

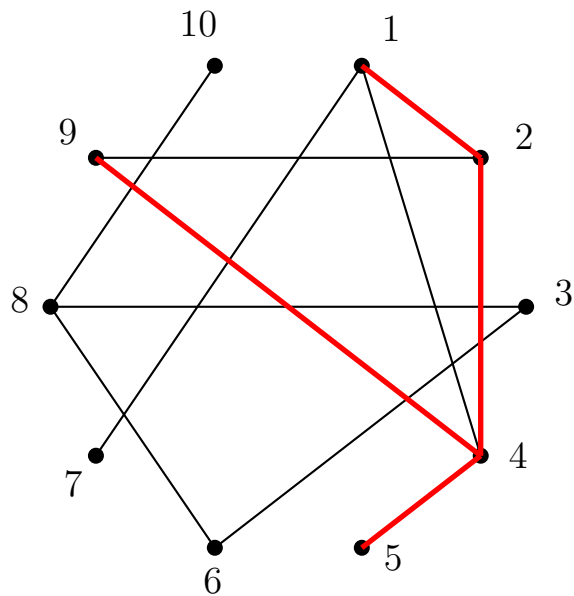
$A(T)$  :

$\{12, 24, 45, 49\}$

$x :$        $y :$

1





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

1

$W$ :

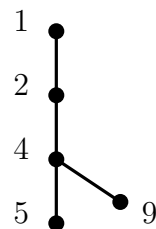
$\{1, 2, 4, 5, 9\}$

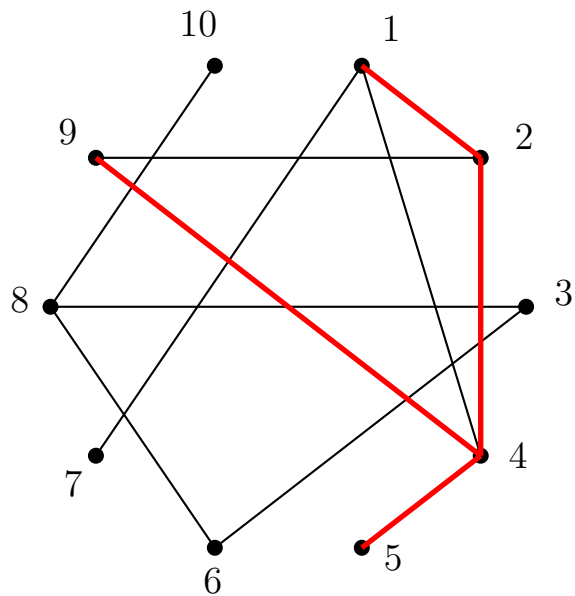
$A(T)$  :

$\{12, 24, 45, 49\}$

$x :$        $y :$

1          7





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

7
1

$W$ :

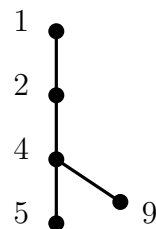
$\{1, 2, 4, 5, 9\}$

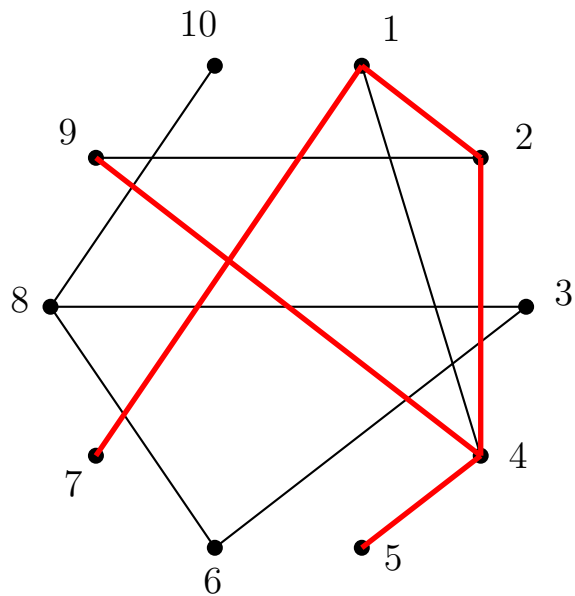
$A(T)$  :

$\{12, 24, 45, 49\}$

$x :$        $y :$

1          7





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

7
1

$W$ :

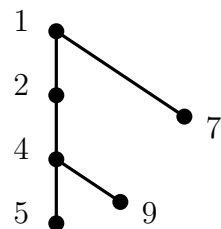
$\{1, 2, 4, 5, 9, 7\}$

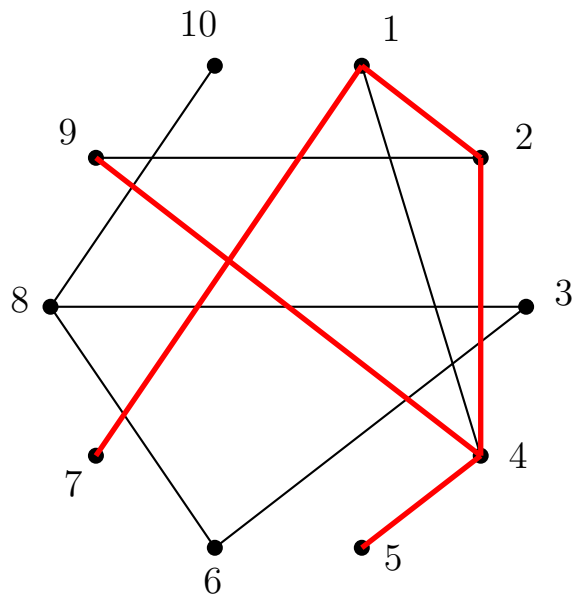
$x :$        $y :$

1          7

$A(T) :$

$\{12, 24, 45, 49, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

7
1

$W$ :

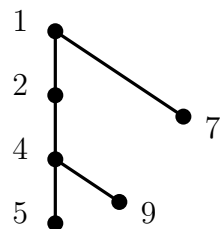
$\{1, 2, 4, 5, 9, 7\}$

$x :$        $y :$

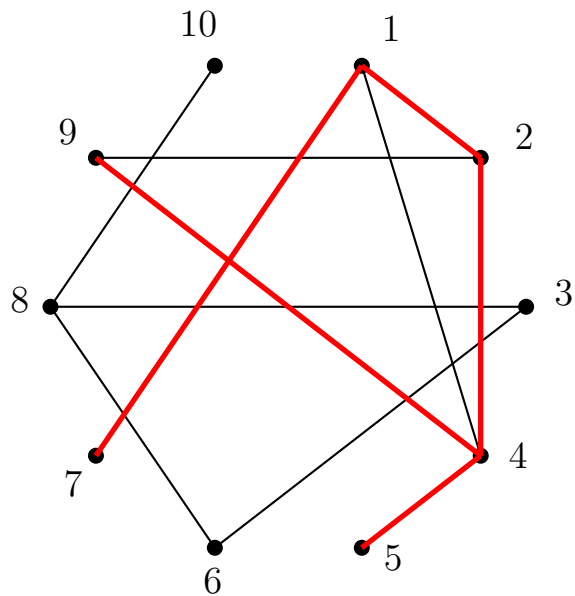
7

$A(T) :$

$\{12, 24, 45, 49, 17\}$







1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

7
1

$W$ :

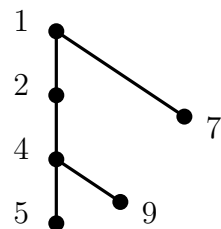
$\{1, 2, 4, 5, 9, 7\}$

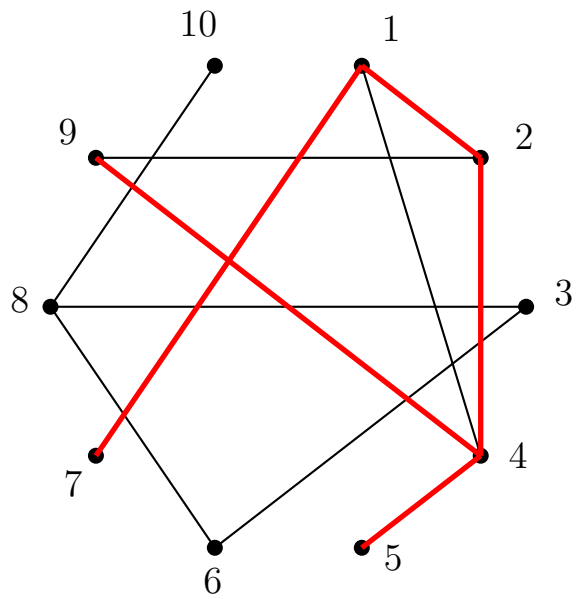
$x :$        $y :$

7      —

$A(T) :$

$\{12, 24, 45, 49, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W$ :

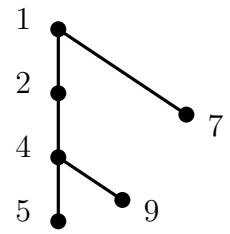
$x :$        $y :$

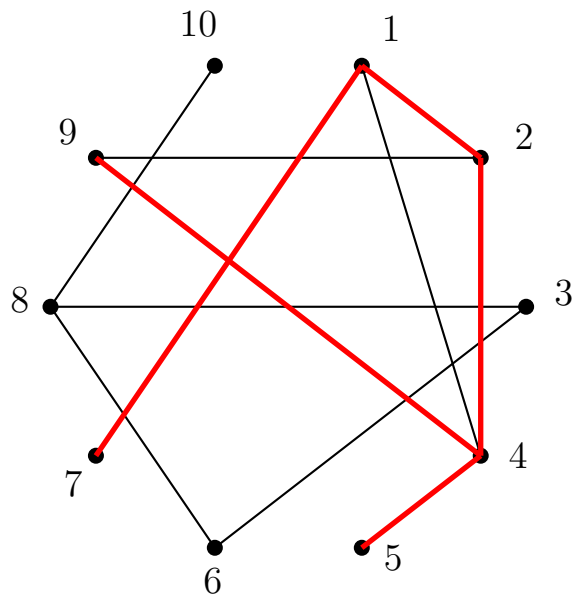
$\{1, 2, 4, 5, 9, 7\}$

1

$A(T) :$

$\{12, 24, 45, 49, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W$ :

$x :$       $y :$

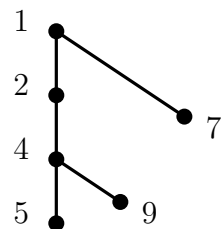
$\{1, 2, 4, 5, 9, 7\}$

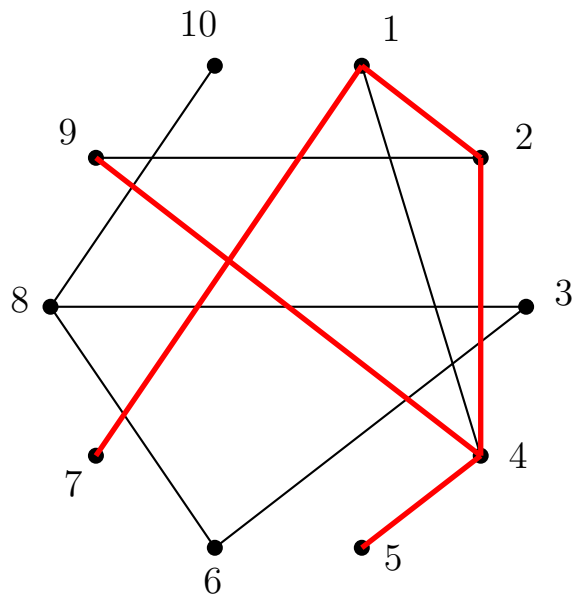
1

1

$A(T) :$

$\{12, 24, 45, 49, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

$W$ :

$x :$      $y :$

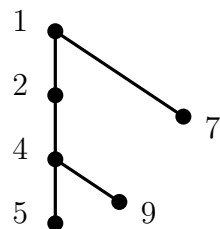
$\{1, 2, 4, 5, 9, 7\}$

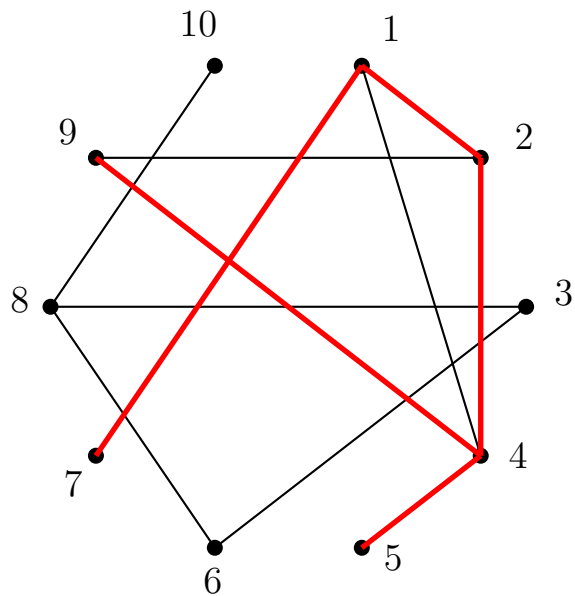
1      —

1

$A(T) :$

$\{12, 24, 45, 49, 17\}$





1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

Pila:

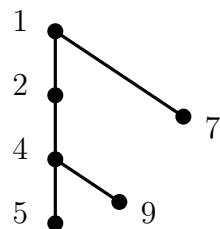
$W$ :

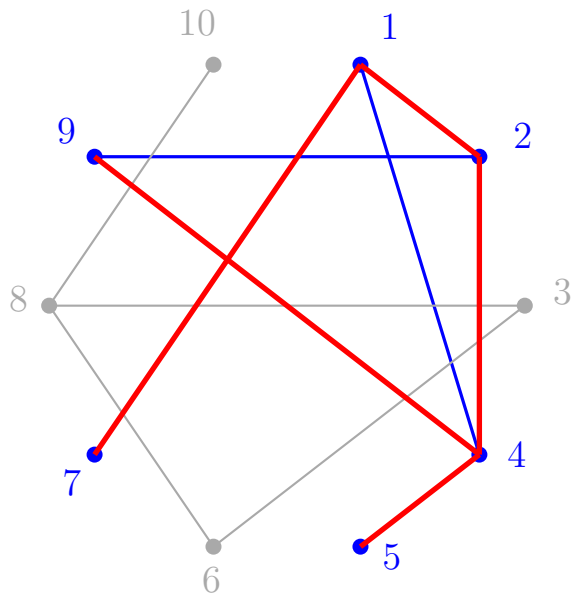
$x :$        $y :$

$\{1, 2, 4, 5, 9, 7\}$

$A(T) :$

$\{12, 24, 45, 49, 17\}$



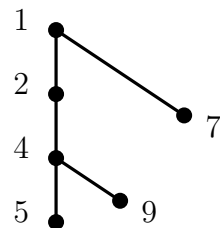


1	2	3	4	5	6	7	8	9	10
2	1	6	1	4	3	1	3	2	8
4	4	8	2		8		6	4	
7	9		5				10		
			9						

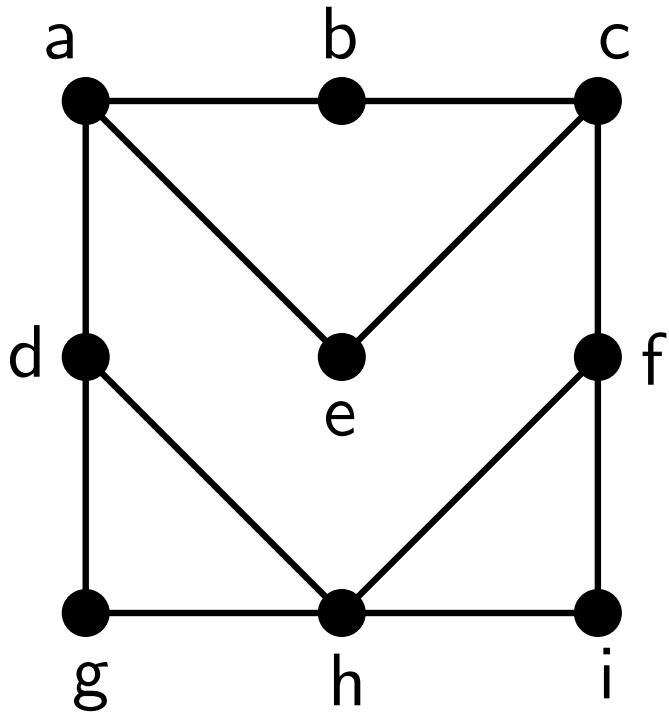
Vèrtexs del component connex d'1:  $\{1,2,4,5,7,9\}$

Arestes d'un arbre generator del cc d'1:

$\{12, 24, 45, 49, 17\}$



# Arbres generators: BFS/DFS



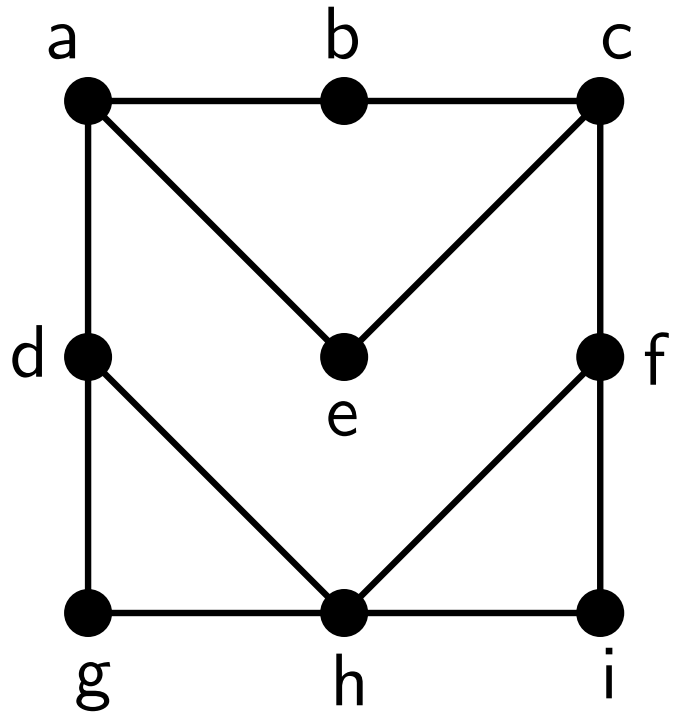
a	b	c	d	e	f	g	h	i
b	a	b	a	a	c	d	d	f
d	c	e	g	c	h	h	f	h
e		f	h		i		g	
							i	

$x$	$y$	$\ell$	$W$	$A(T)$
		$(a)$	$\{a\}$	$\{\}$
$a$	$b$	$(a, b)$	$\{a, b\}$	$\{ab\}$
$a$	$d$	$(a, b, d)$	$\{a, b, d\}$	$\{ab, ad\}$
$a$	$e$	$(a, b, d, e)$	$\{a, b, d, e\}$	$\{ab, ad, ae\}$
$a$	$-$	$(b, d, e)$	$\{a, b, d, e\}$	$\{ab, ad, ae\}$
$b$	$c$	$(b, d, e, c)$	$\{a, b, d, e, c\}$	$\{ab, ad, ae, bc\}$
$b$	$-$	$(d, e, c)$	$\{a, b, d, e, c\}$	$\{ab, ad, ae, bc\}$
$d$	$g$	$(d, e, c, g)$	$\{a, b, d, e, c, g\}$	$\{ab, ad, ae, bc, dg\}$
$d$	$h$	$(d, e, c, g, h)$	$\{a, b, d, e, c, g, h\}$	$\{ab, ad, ae, bc, dg, dh\}$
$d$	$-$	$(e, c, g, h)$	$\{a, b, d, e, c, g, h\}$	$\{ab, ad, ae, bc, dg, dh\}$
$e$	$-$	$(c, g, h)$	$\{a, b, d, e, c, g, h\}$	$\{ab, ad, ae, bc, dg, dh\}$
$c$	$f$	$(c, g, h, f)$	$\{a, b, d, e, c, g, h, f\}$	$\{ab, ad, ae, bc, dg, dh, cf\}$
$c$	$-$	$(g, h, f)$	$\{a, b, d, e, c, g, h, f\}$	$\{ab, ad, ae, bc, dg, dh, cf\}$
$g$	$-$	$(h, f)$	$\{a, b, d, e, c, g, h, f\}$	$\{ab, ad, ae, bc, dg, dh, cf\}$
$h$	$i$	$(h, f, i)$	$\{a, b, d, e, c, g, h, f, i\}$	$\{ab, ad, ae, bc, dg, dh, cf, hi\}$
$h$	$-$	$(f, i)$	$\{a, b, d, e, c, g, h, f, i\}$	$\{ab, ad, ae, bc, dg, dh, cf, hi\}$
$f$	$-$	$(i)$	$\{a, b, d, e, c, g, h, f, i\}$	$\{ab, ad, ae, bc, dg, dh, cf, hi\}$
$i$	$-$	$()$	$\{a, b, d, e, c, g, h, f, i\}$	$\{ab, ad, ae, bc, dg, dh, cf, hi\}$

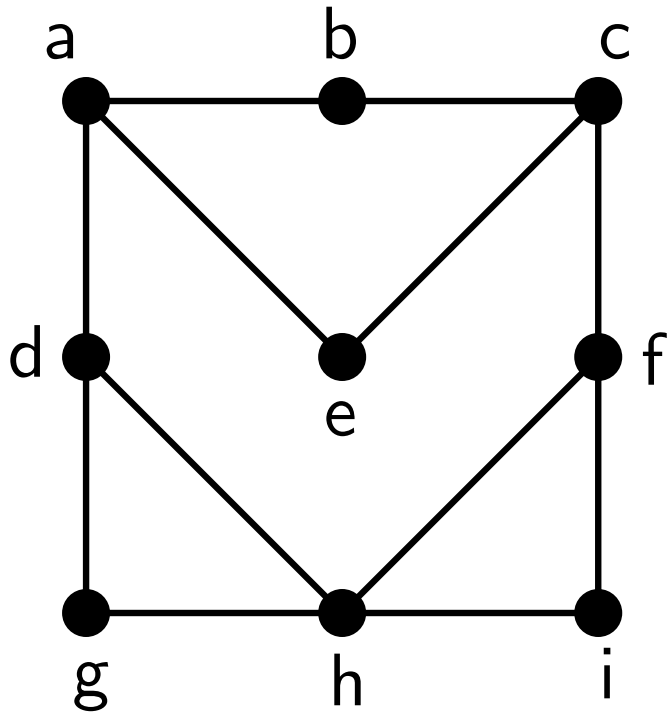


$x$	$y$	$\ell$	$W$	$A(T)$
		$(a)$	$\{a\}$	$\{\}$
$a$	$b$	$(b, a)$	$\{a, b\}$	$\{ab\}$
$b$	$c$	$(c, b, a)$	$\{a, b, c\}$	$\{ab, bc\}$
$c$	$e$	$(e, c, b, a)$	$\{a, b, c, e\}$	$\{ab, bc, ce\}$
$e$	$-$	$(c, b, a)$	$\{a, b, c, e\}$	$\{ab, bc, ce\}$
$c$	$f$	$(f, c, b, a)$	$\{a, b, c, e, f\}$	$\{ab, bc, ce, cf\}$
$f$	$h$	$(h, f, c, b, a)$	$\{a, b, c, e, f, h\}$	$\{ab, bc, ce, cf, fh\}$
$h$	$d$	$(d, h, f, c, b, a)$	$\{a, b, c, e, f, h, d\}$	$\{ab, bc, ce, cf, fh, hd\}$
$d$	$g$	$(g, d, h, f, c, b, a)$	$\{a, b, c, e, f, h, d, g\}$	$\{ab, bc, ce, cf, fh, hd, dg\}$
$g$	$-$	$(d, h, f, c, b, a)$	$\{a, b, c, e, f, h, d, g\}$	$\{ab, bc, ce, cf, fh, hd, dg\}$
$d$	$-$	$(h, f, c, b, a)$	$\{a, b, c, e, f, h, d, g\}$	$\{ab, bc, ce, cf, fh, hd, dg\}$
$h$	$i$	$(i, h, f, c, b, a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$i$	$-$	$(h, f, c, b, a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$h$	$-$	$(f, c, b, a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$f$	$-$	$(c, b, a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$c$	$-$	$(b, a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$b$	$-$	$(a)$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$
$a$	$-$	$()$	$\{a, b, c, e, f, h, d, g, i\}$	$\{ab, bc, ce, cf, fh, hd, dg, hi\}$

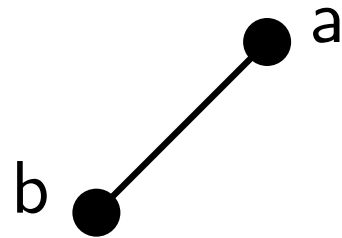
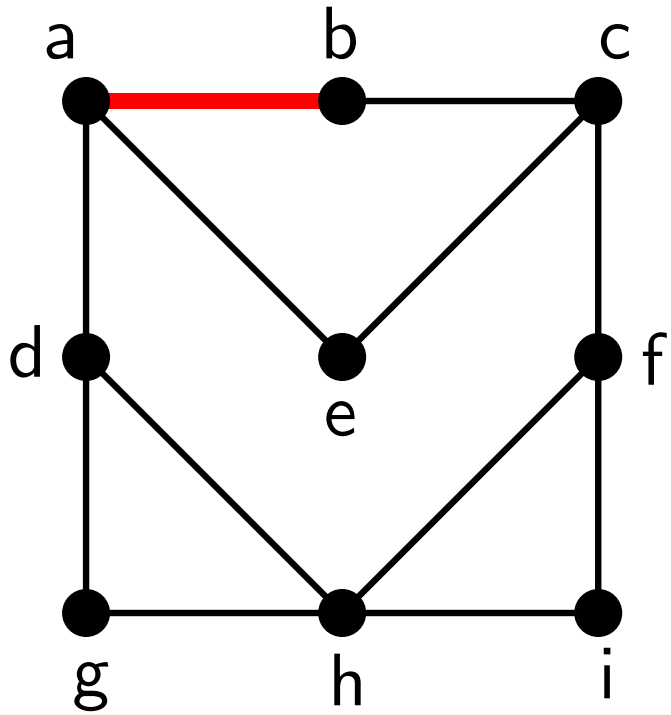
# BFS



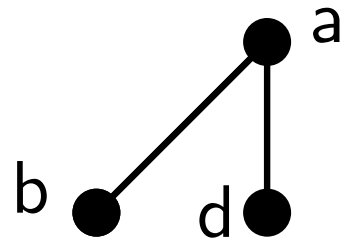
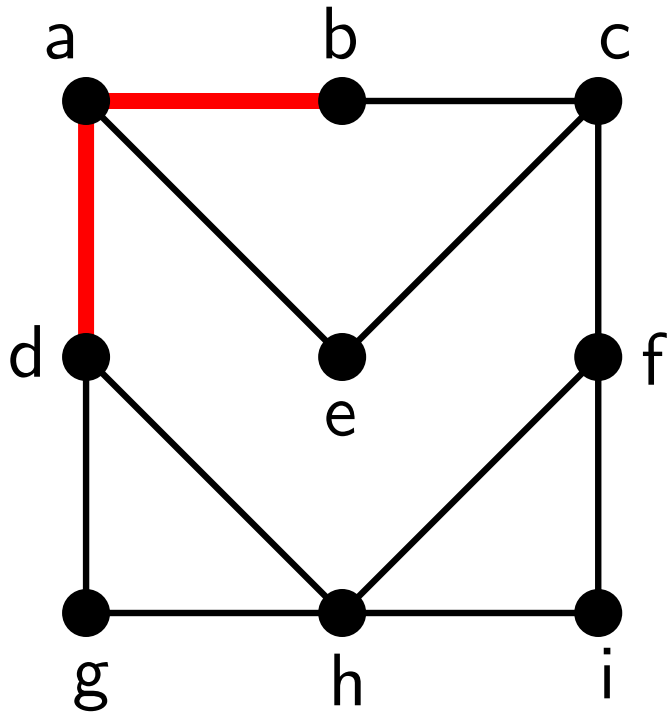
# BFS



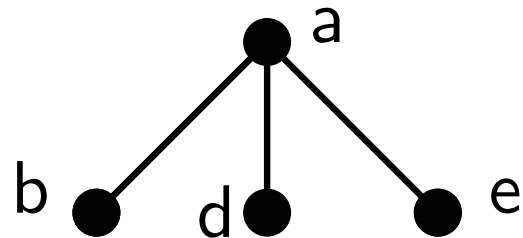
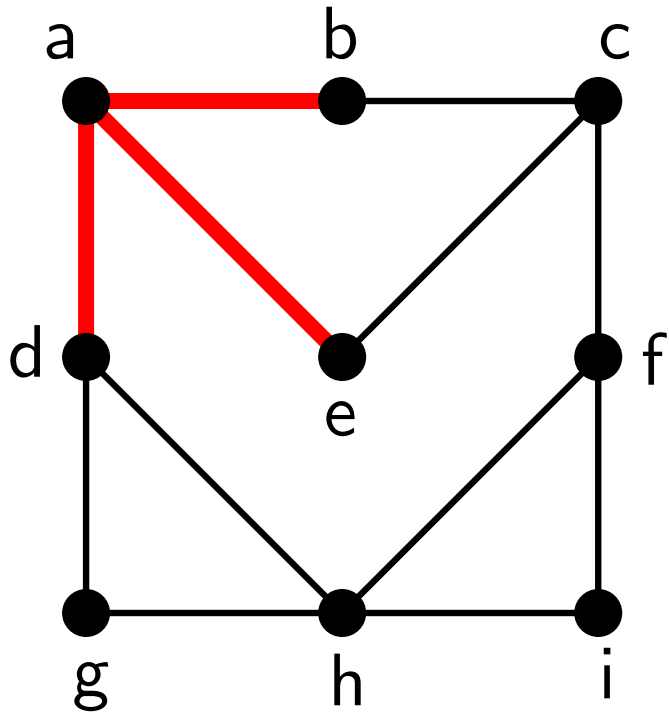
# BFS



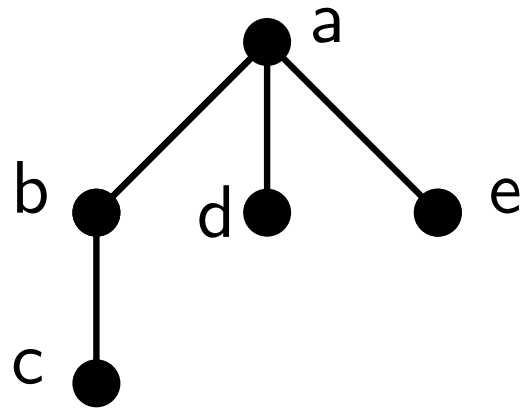
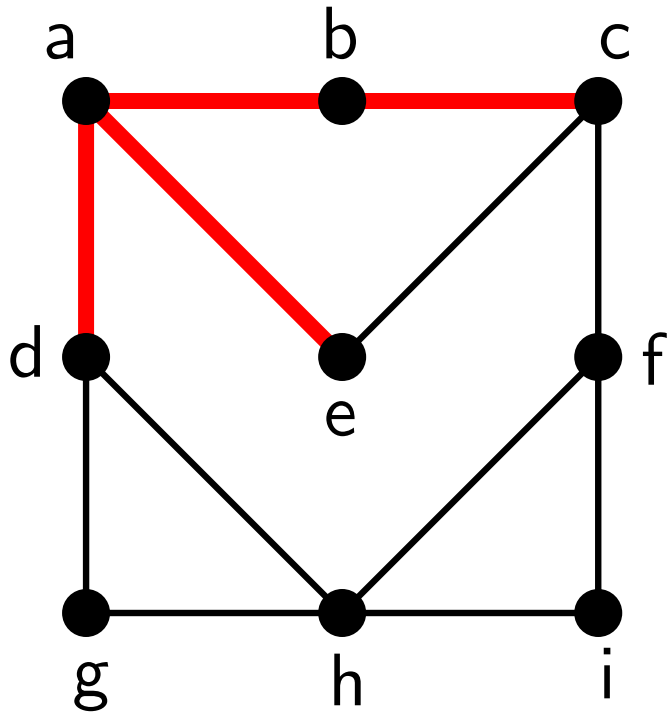
# BFS



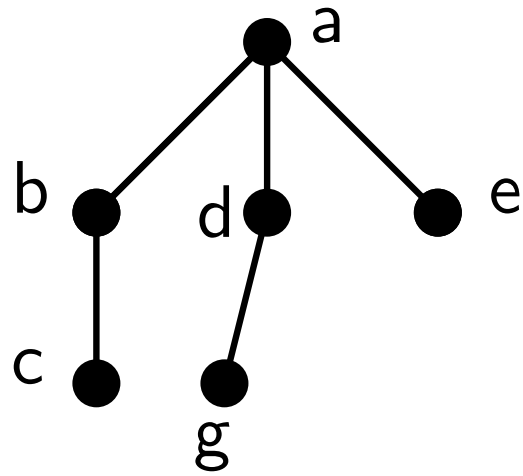
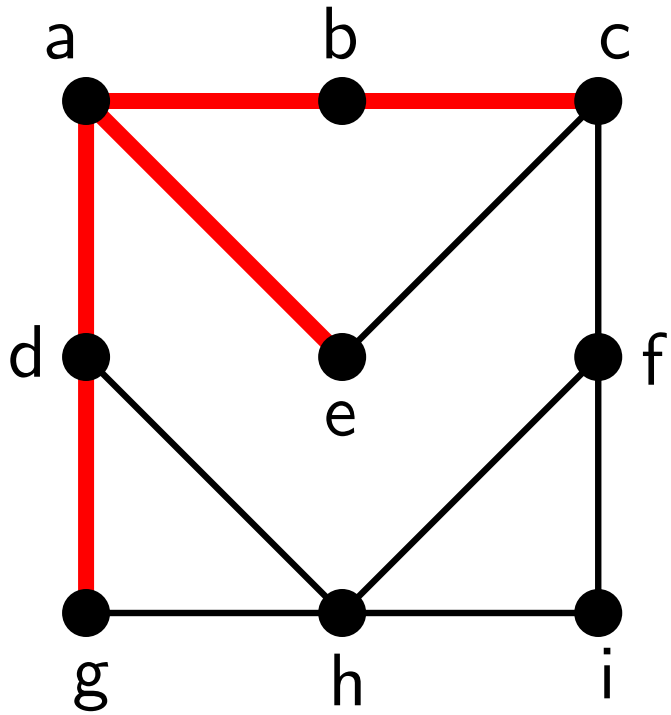
# BFS



# BFS

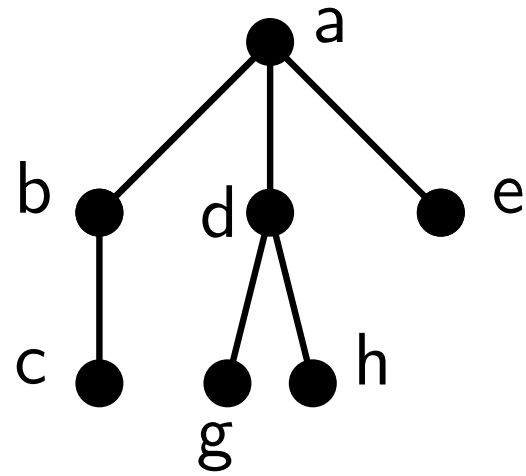
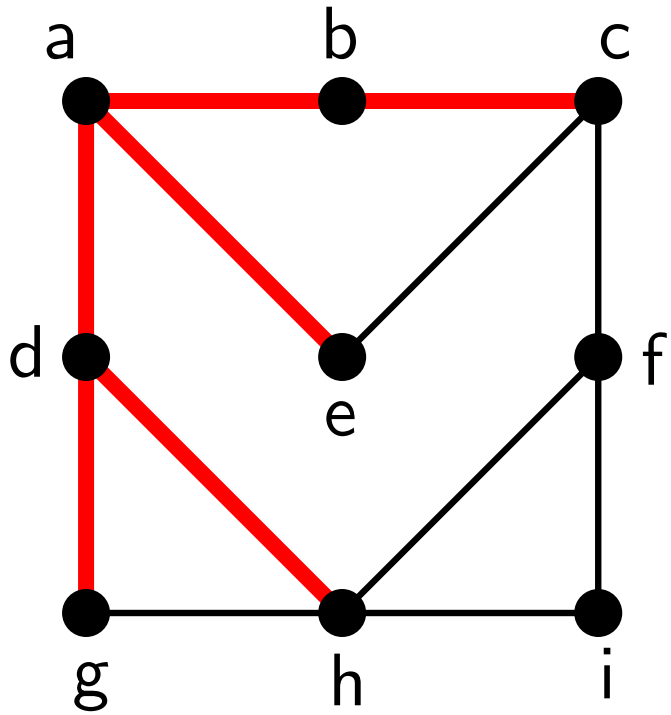


# BFS

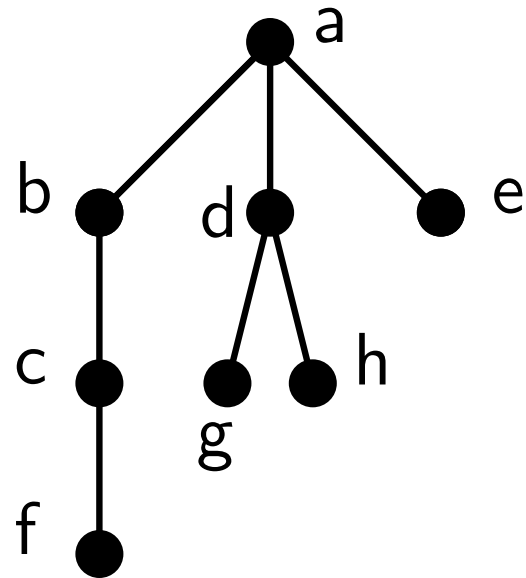
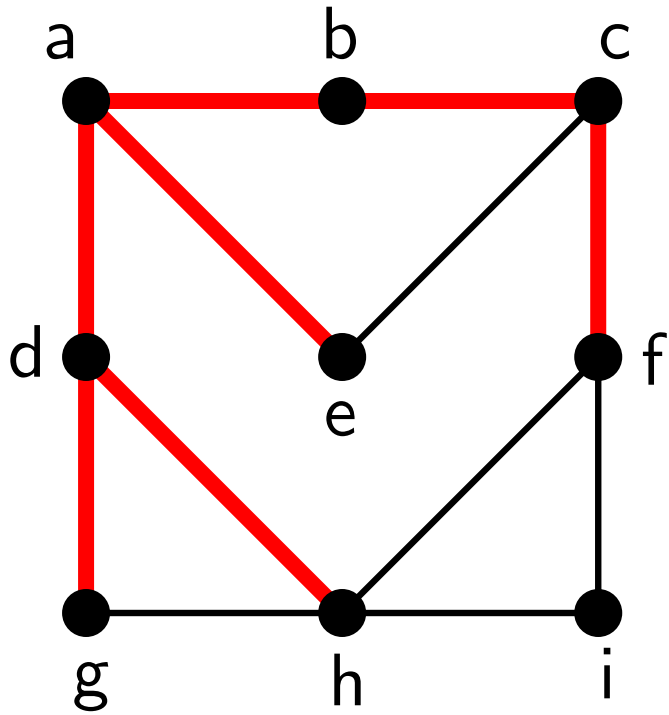




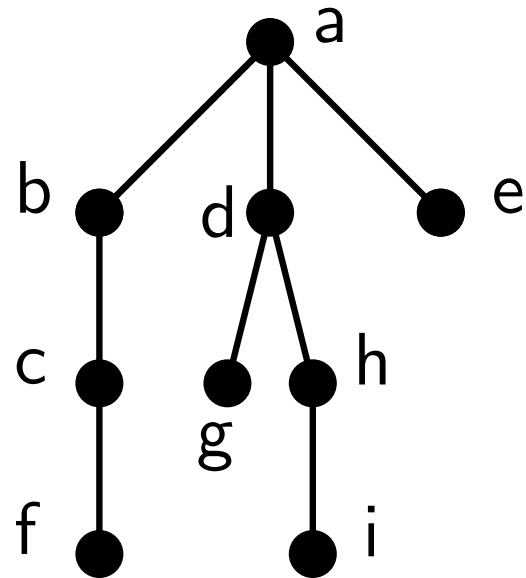
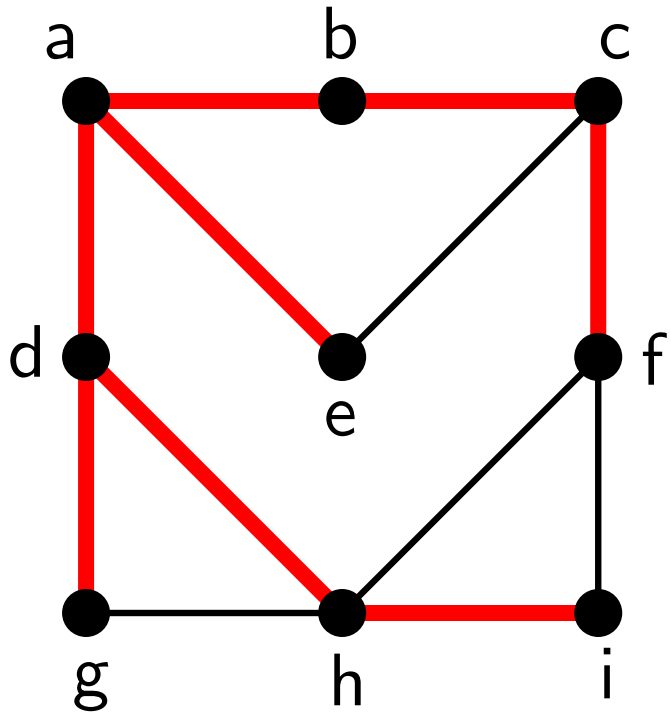
# BFS



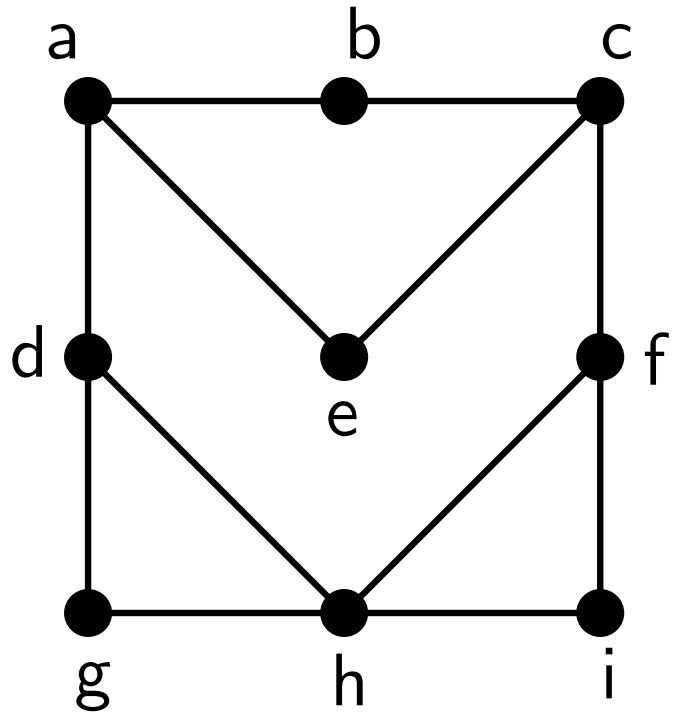
# BFS



# BFS

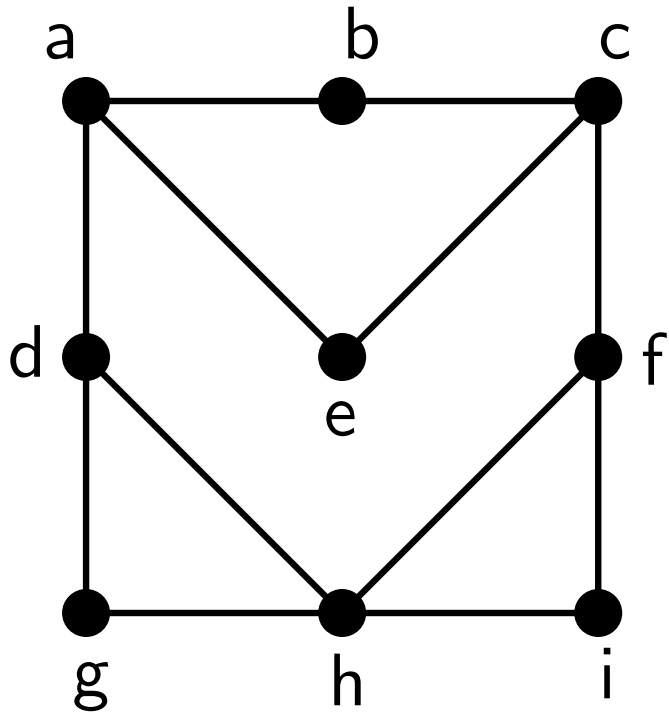


# DFS

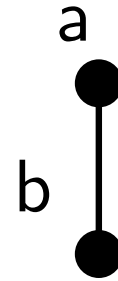
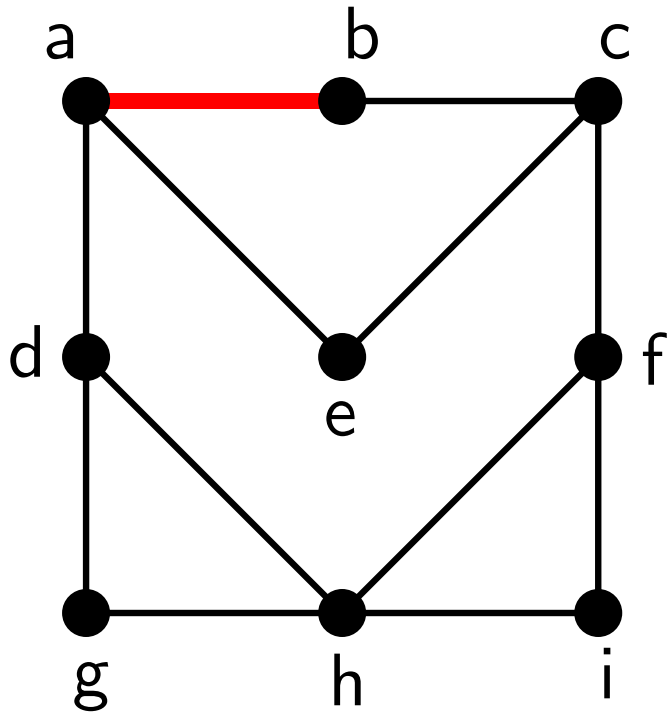


# DFS

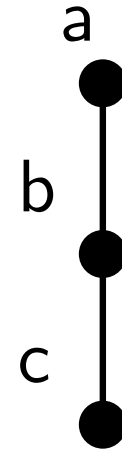
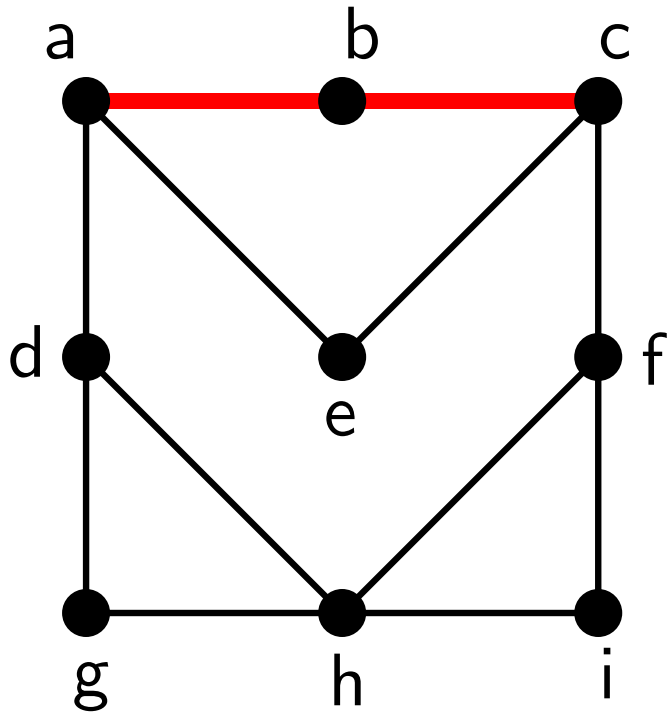
a ●



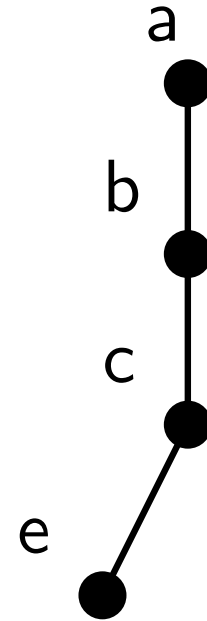
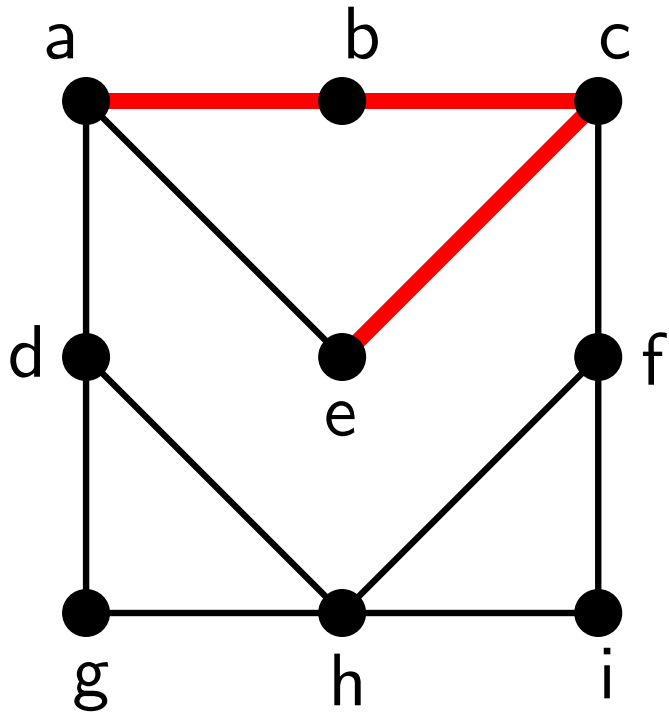
# DFS



# DFS

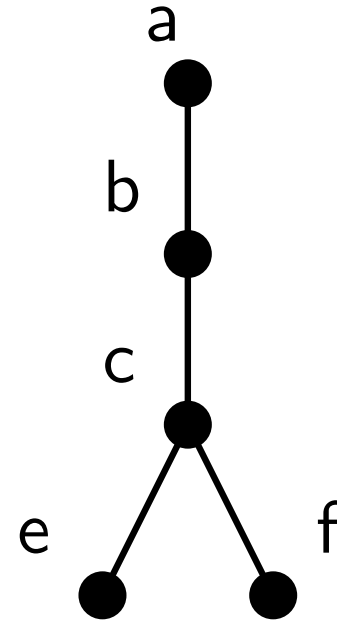
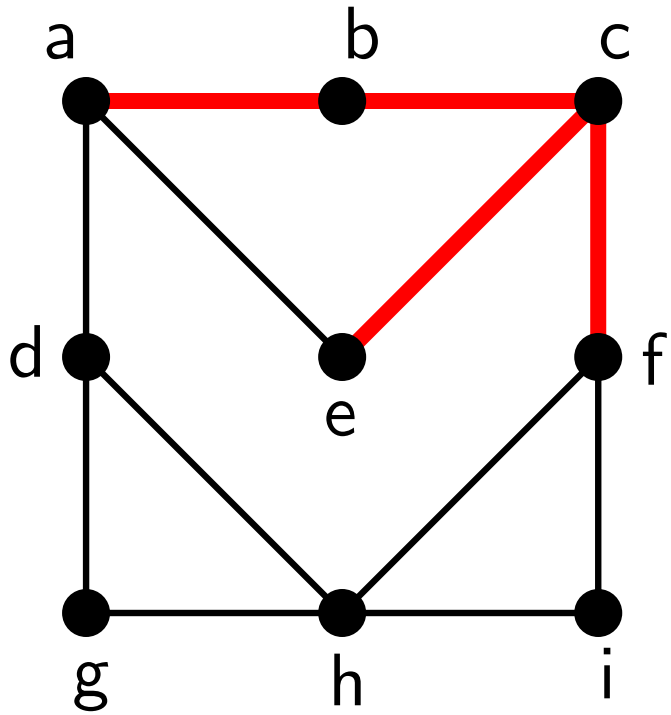


# DFS

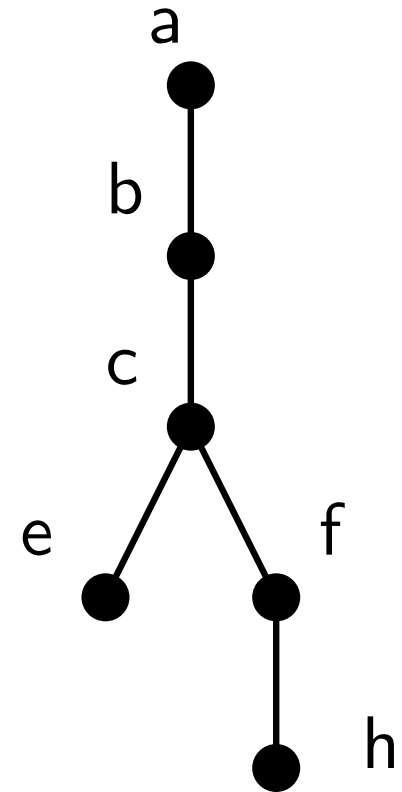
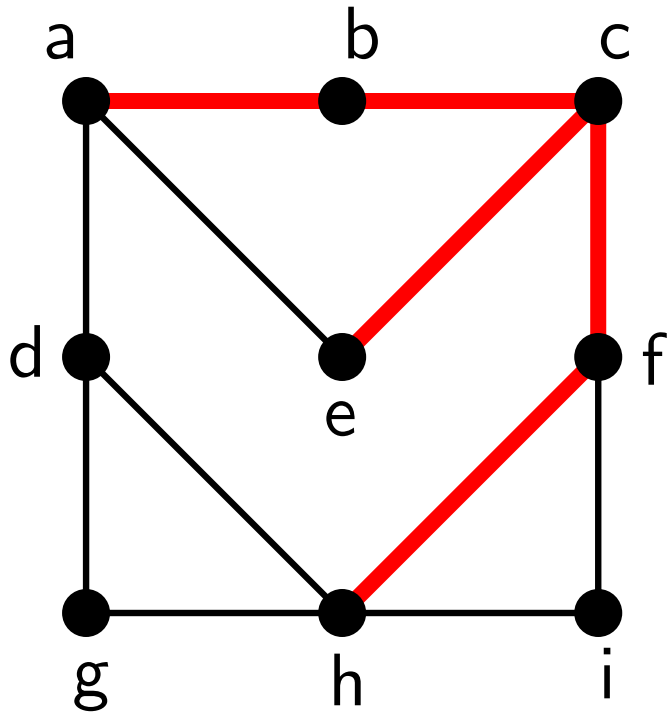




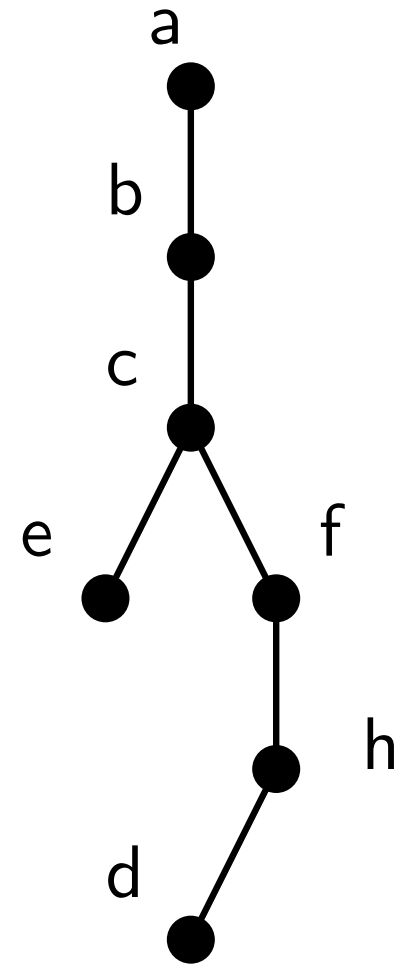
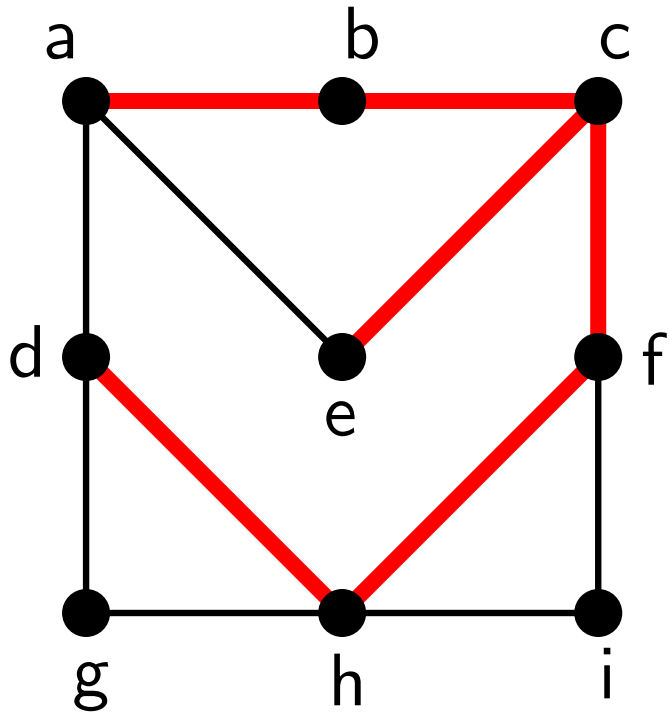
# DFS



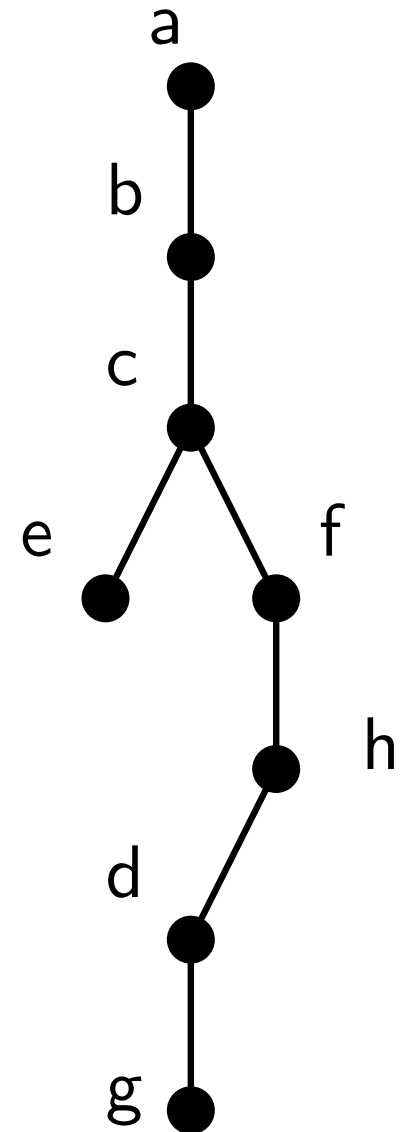
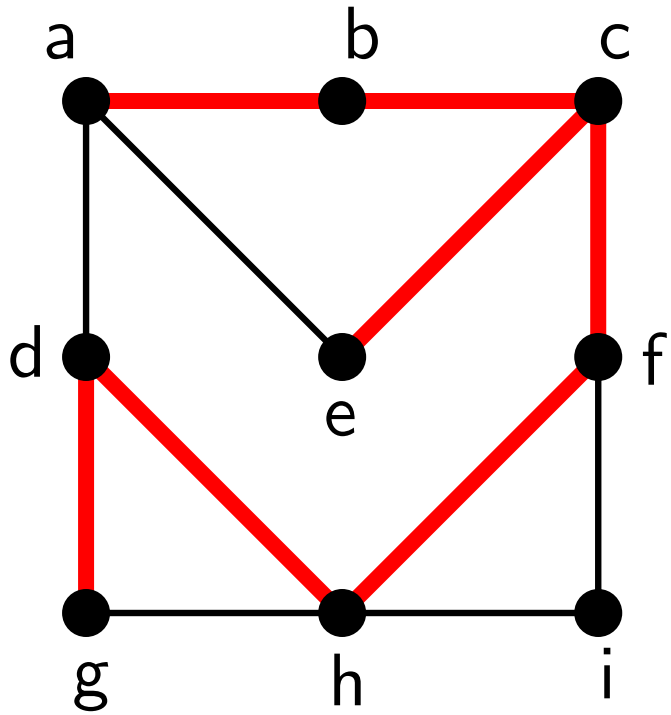
# DFS



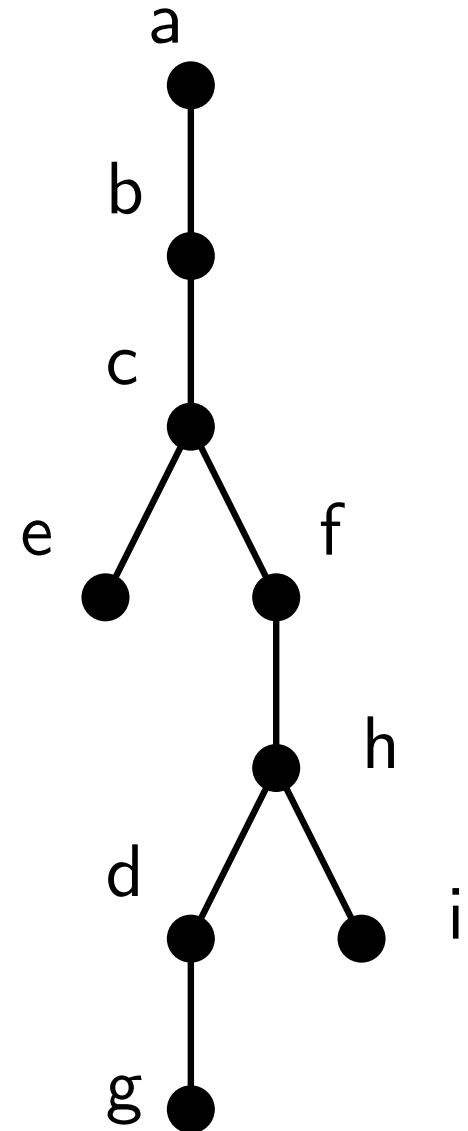
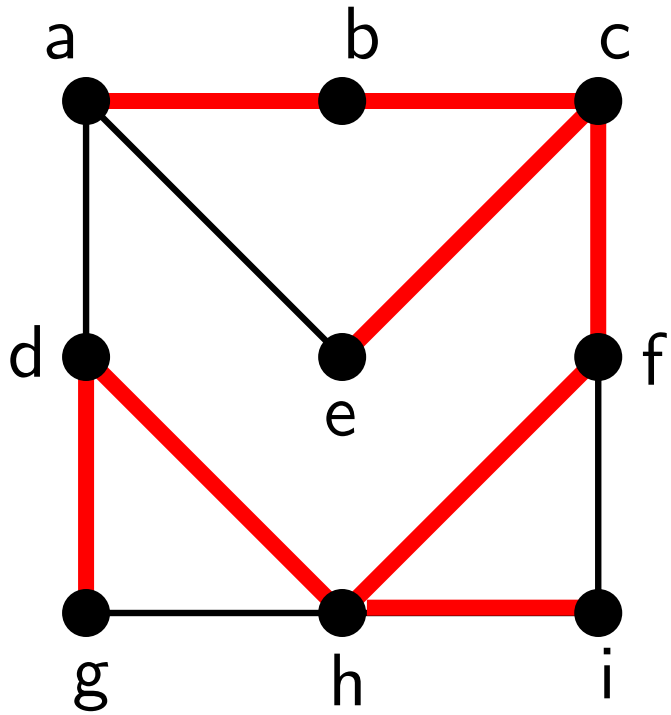
# DFS



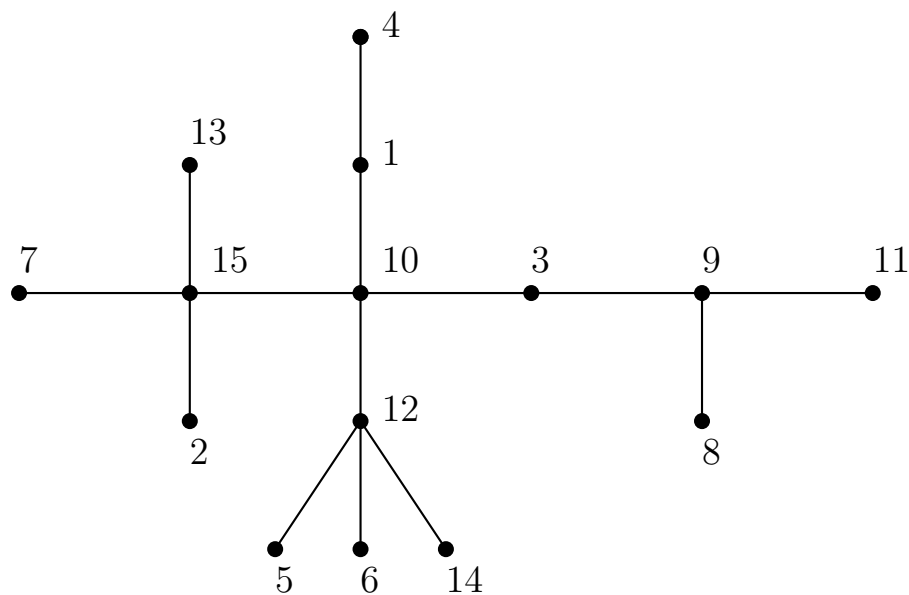
# DFS



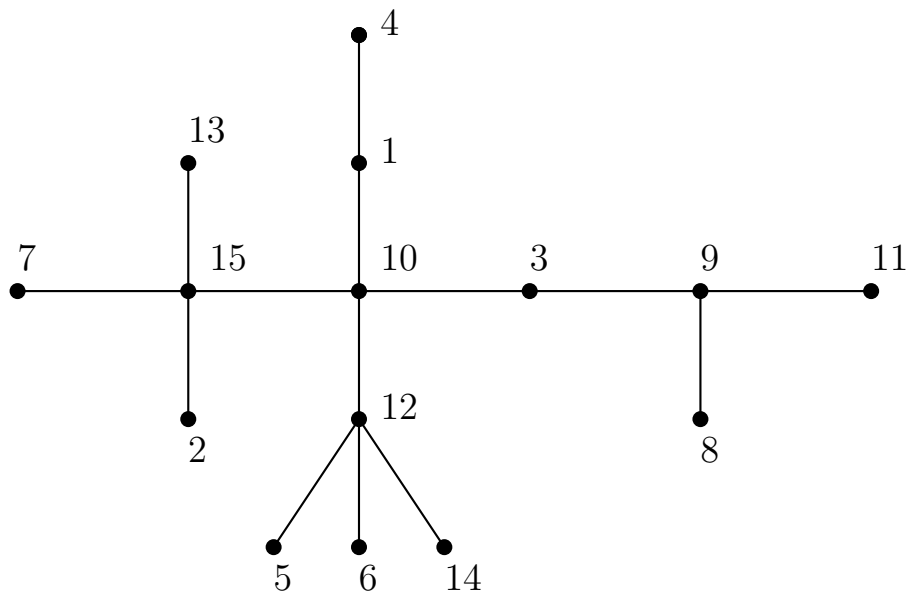
# DFS



Seqüència de Prüfer d'un arbre d'ordre  $\geq 3$



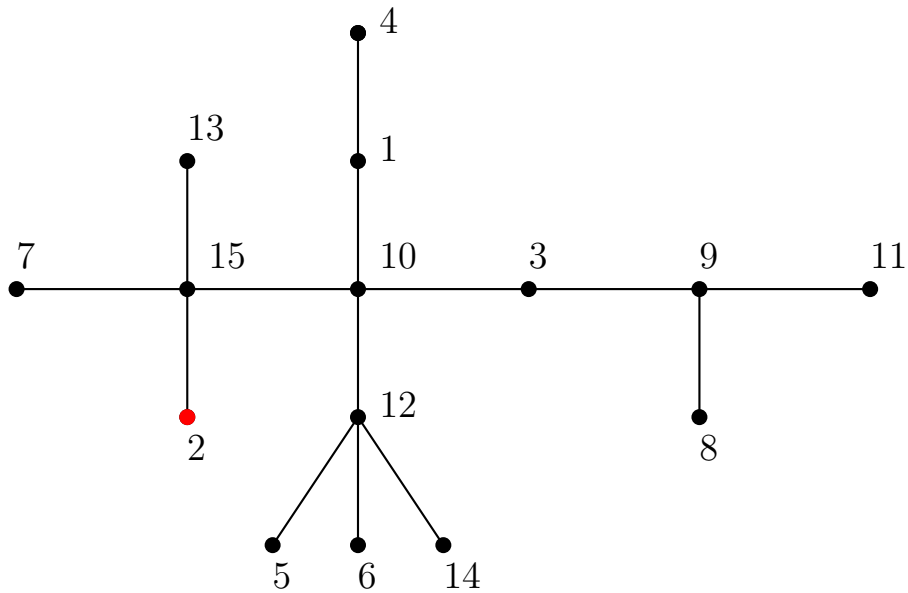
## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



$L =$

$\min L =$

## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

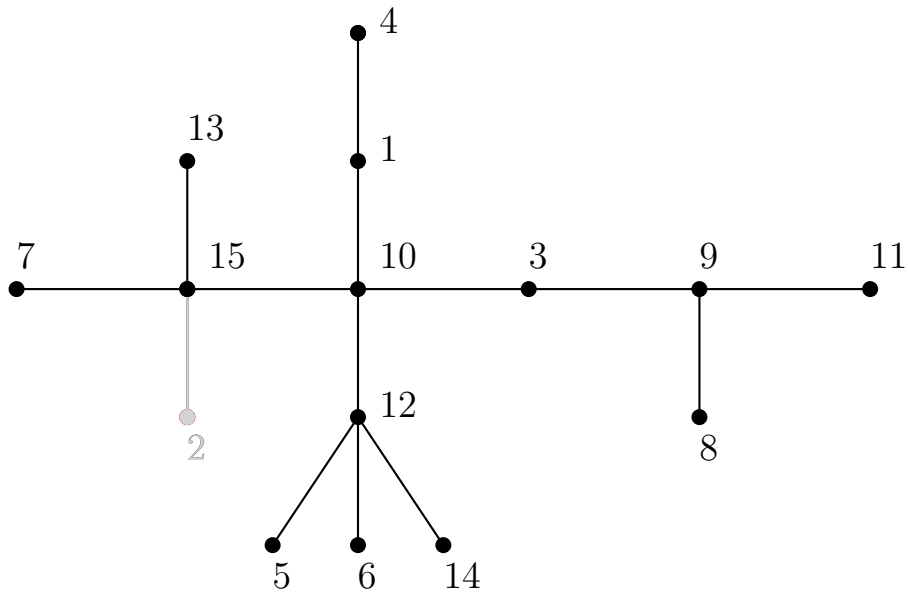


$$L = \{2, 4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 2$$

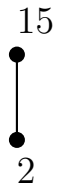


## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

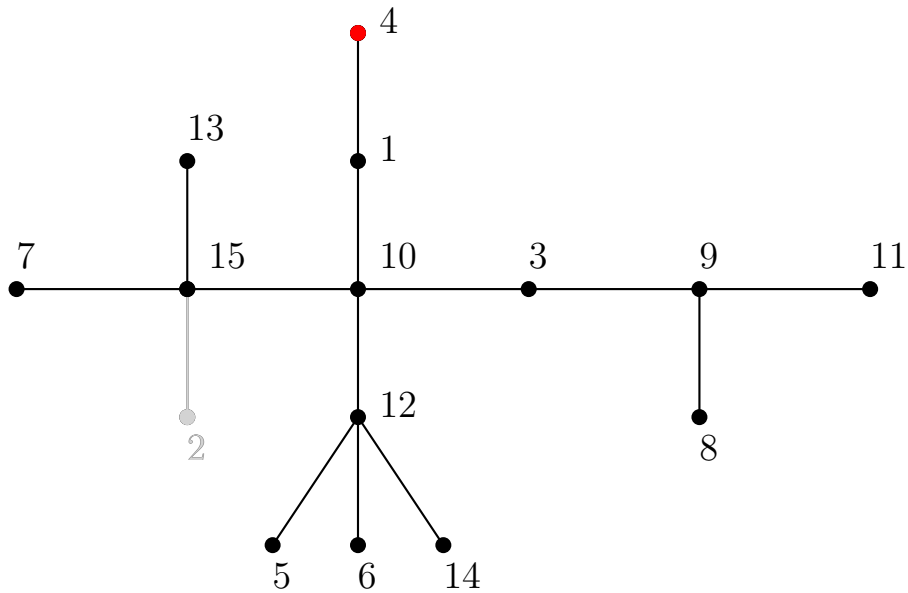


$$L = \{2, 4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 2$$

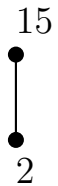


## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

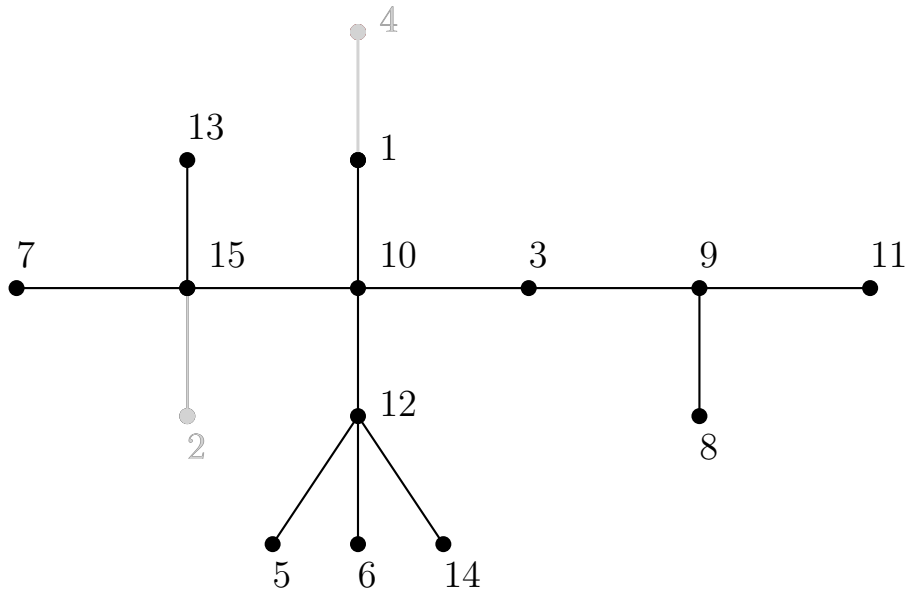


$$L = \{4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 4$$

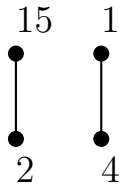


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

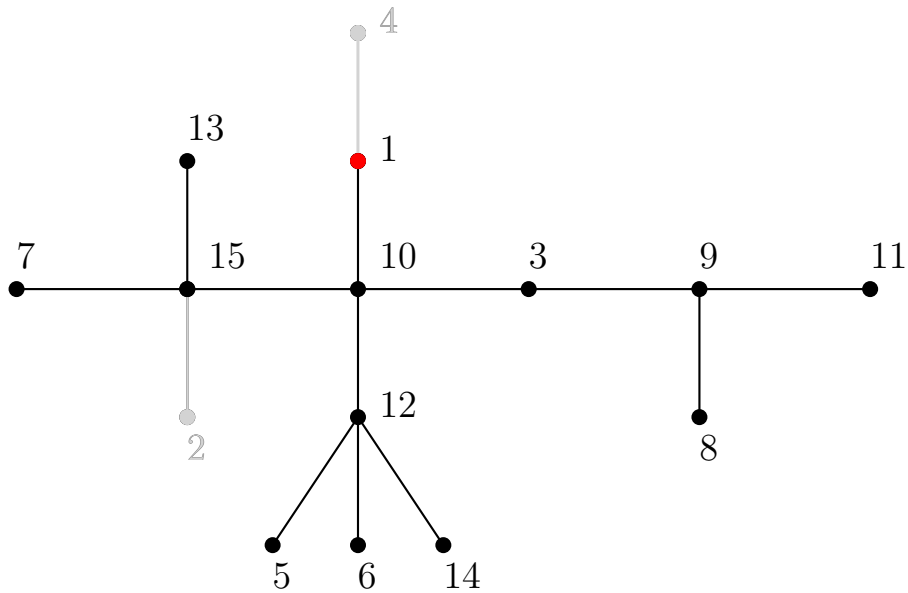


$$L = \{4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 4$$

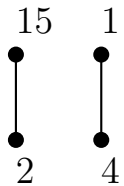


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

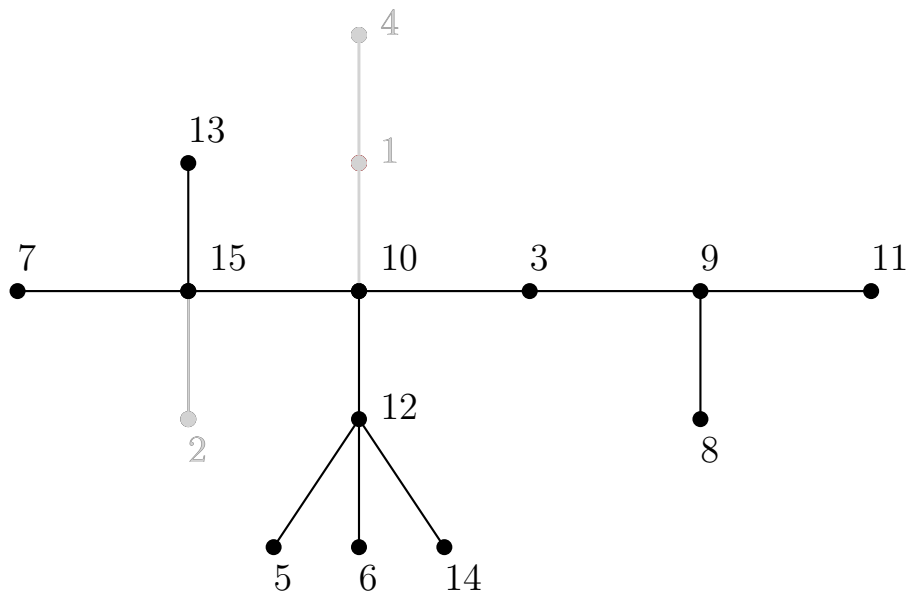


$$L = \{1, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 1$$

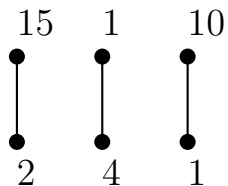


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

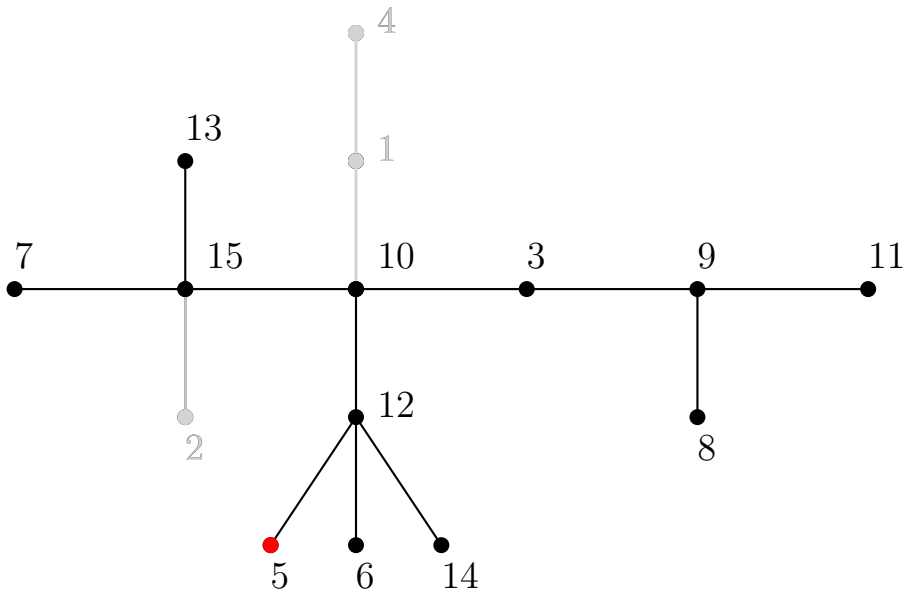


$$L = \{1, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 1$$

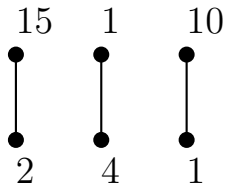


## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

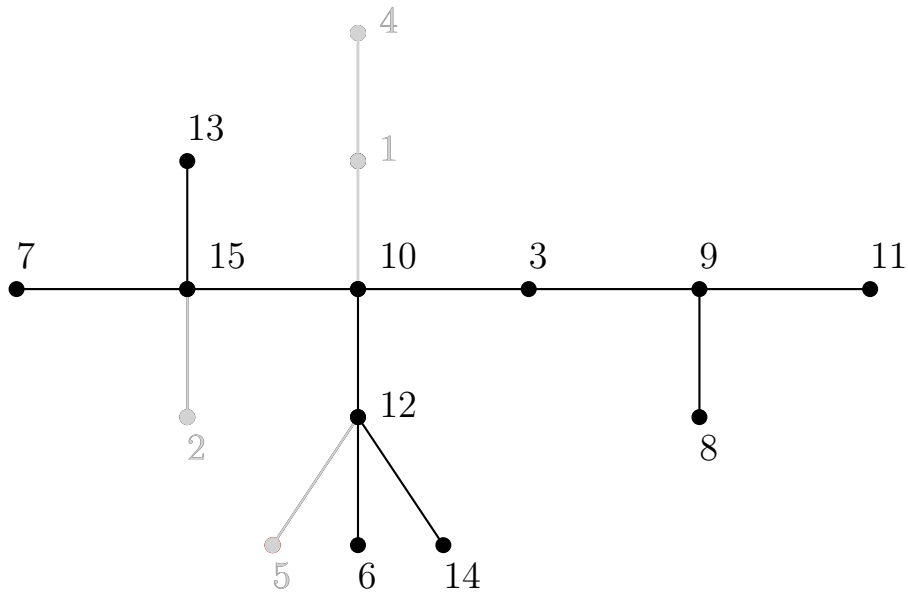


$$L = \{5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 5$$

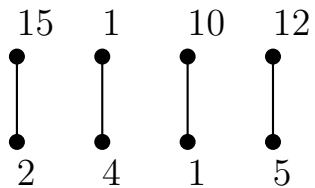


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

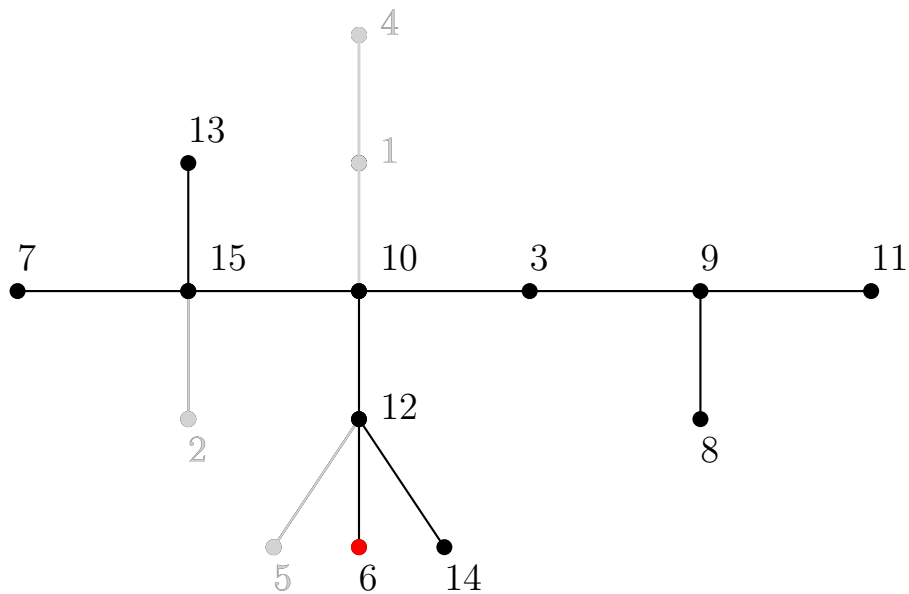


$$L = \{5, 6, 7, 8, 11, 13, 14\}$$

$$\min L = 5$$

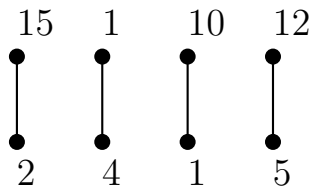


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



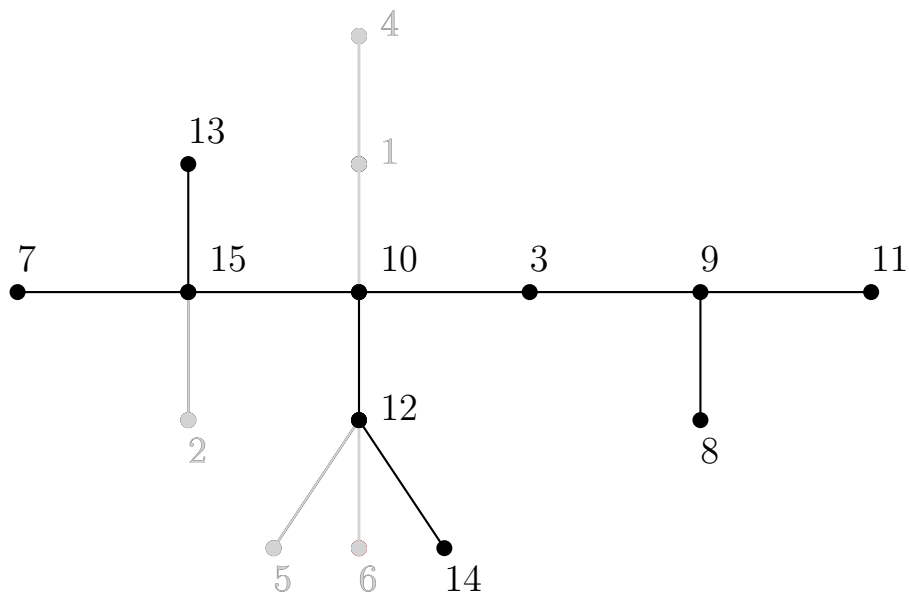
$$L = \{6, 7, 8, 11, 13, 14\}$$

$$\min L = 6$$



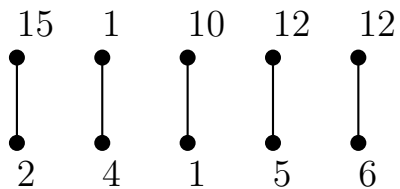


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

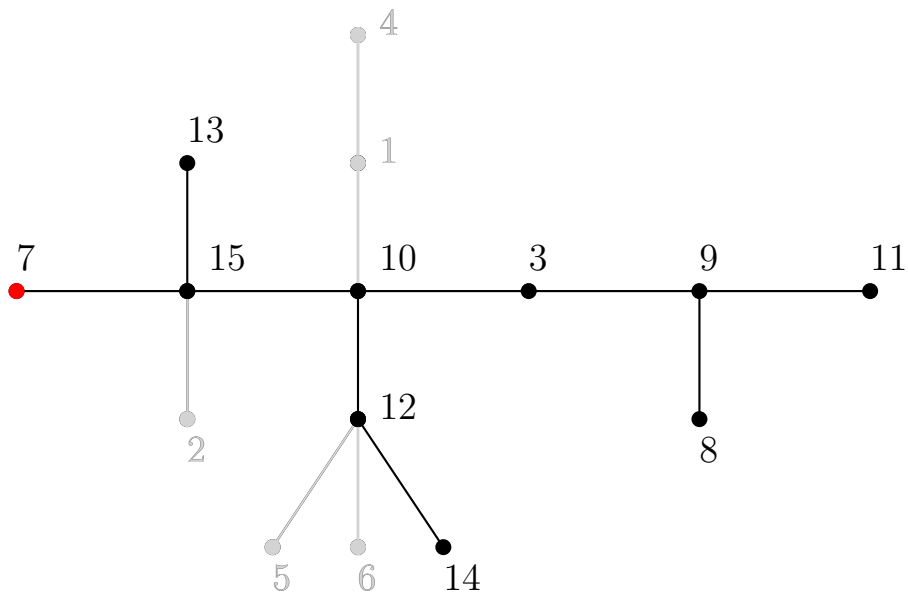


$$L = \{6, 7, 8, 11, 13, 14\}$$

$$\min L = 6$$

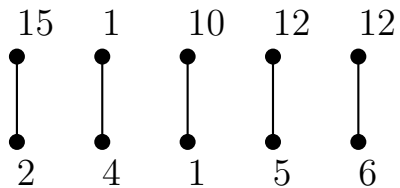


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

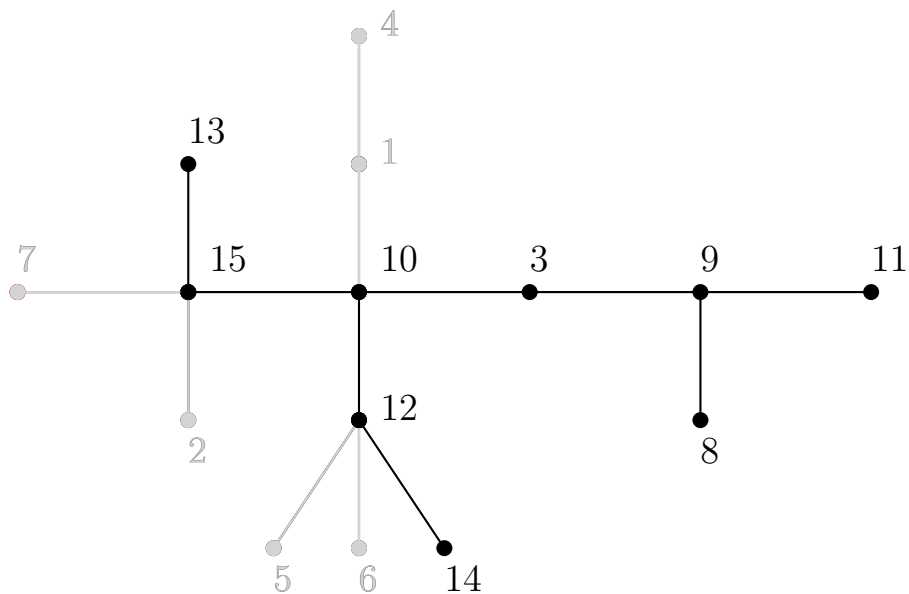


$$L = \{7, 8, 11, 13, 14\}$$

$$\min L = 7$$

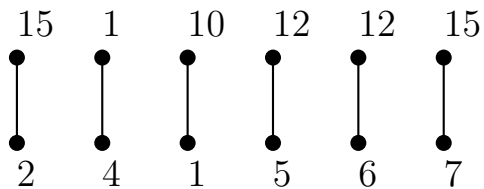


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

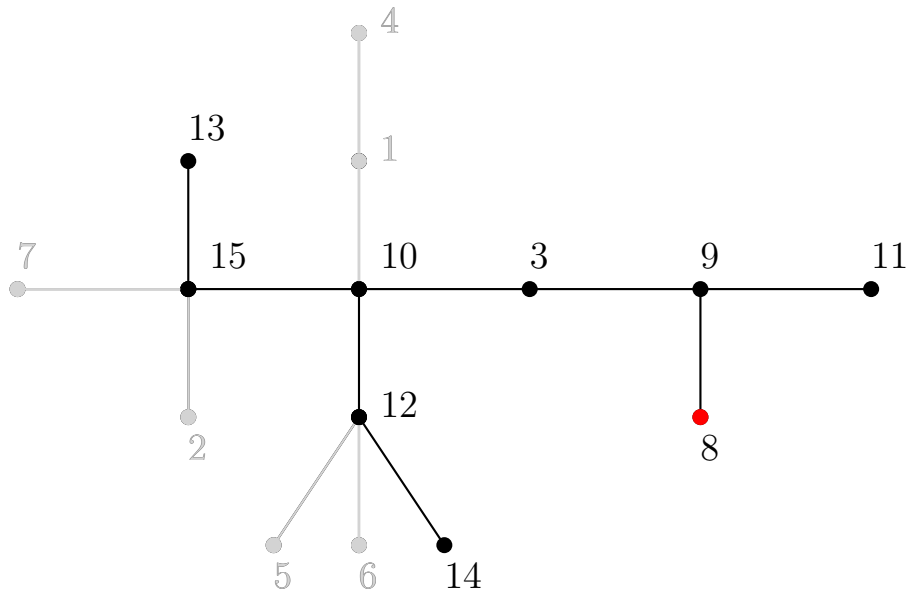


$$L = \{7, 8, 11, 13, 14\}$$

$$\min L = 7$$

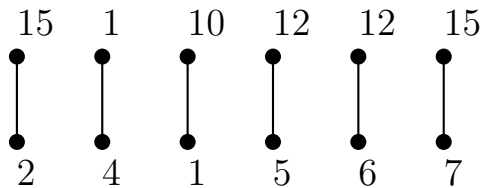


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

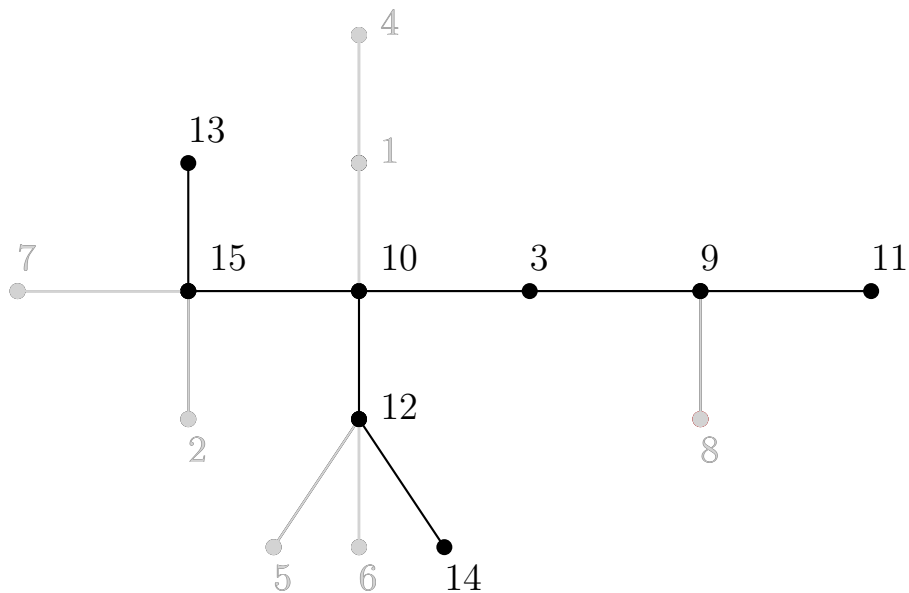


$$L = \{8, 11, 13, 14\}$$

$$\min L = 8$$

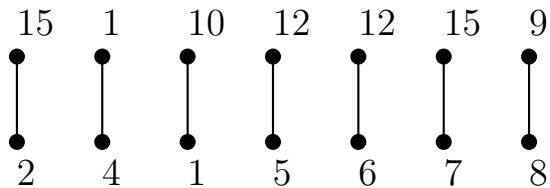


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

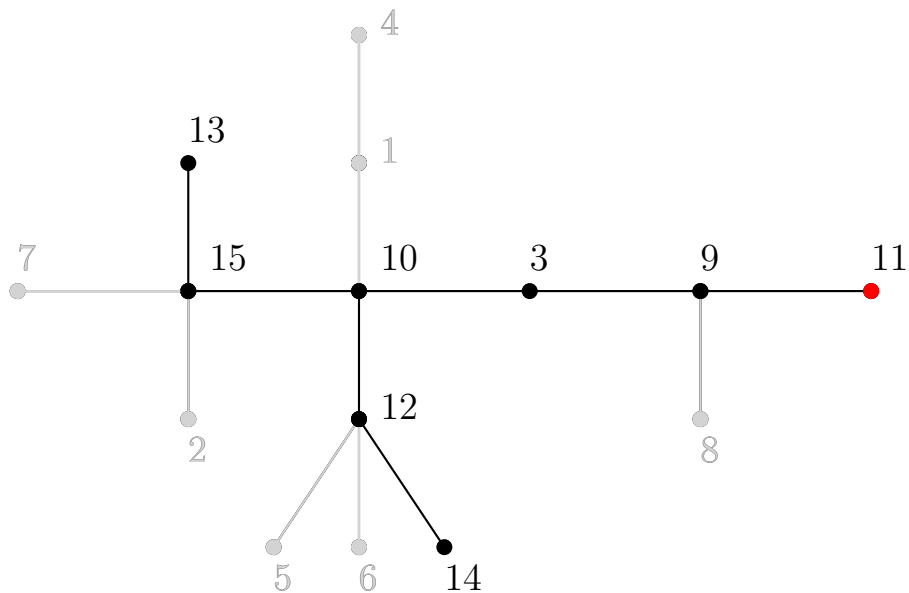


$$L = \{8, 11, 13, 14\}$$

$$\min L = 8$$

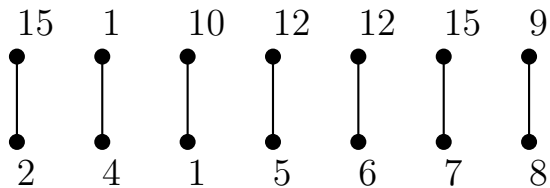


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

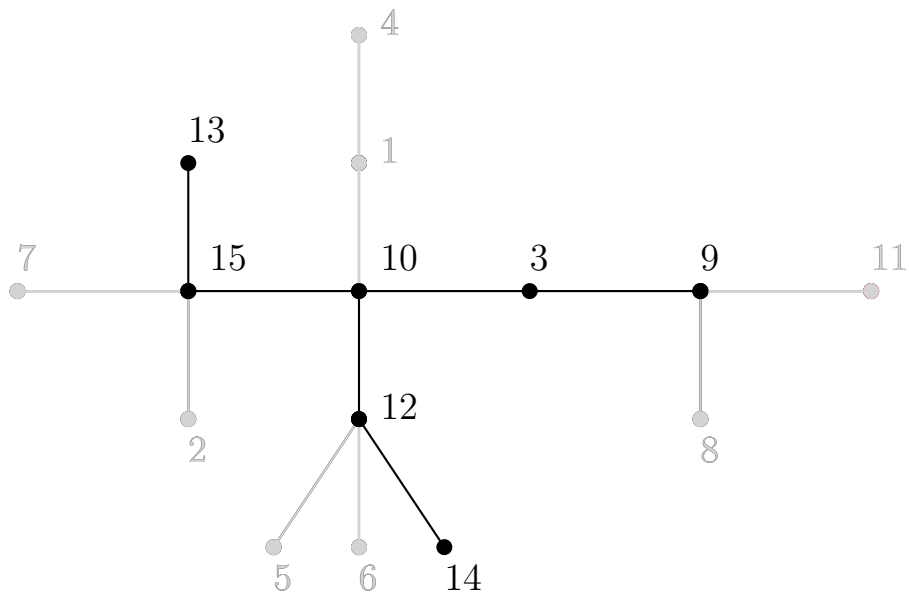


$$L = \{11, 13, 14\}$$

$$\min L = 11$$

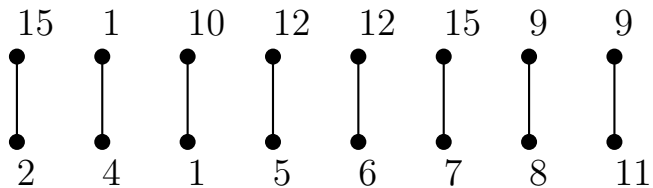


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

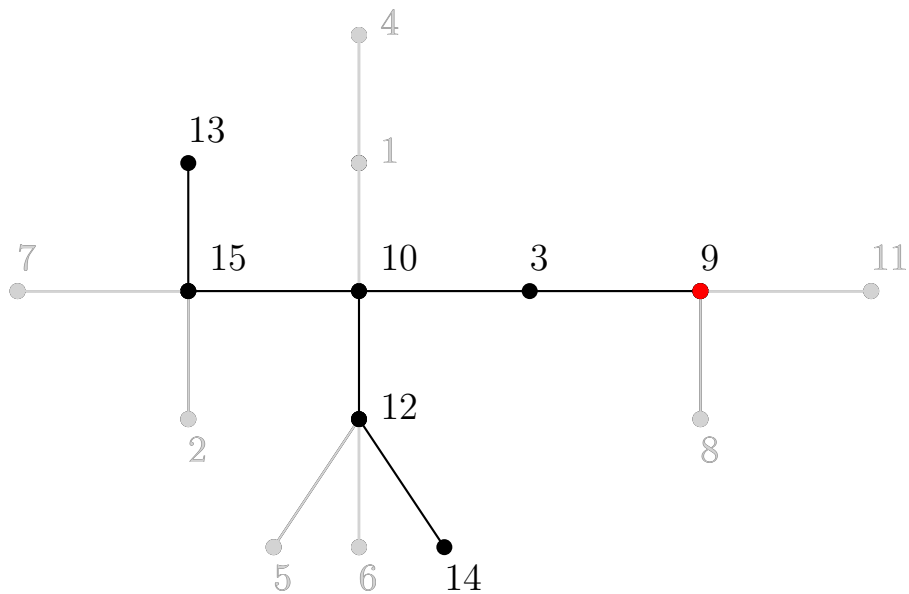


$$L = \{11, 13, 14\}$$

$$\min L = 11$$

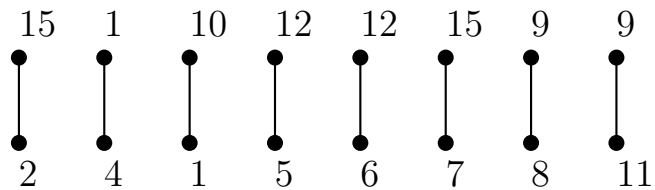


## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



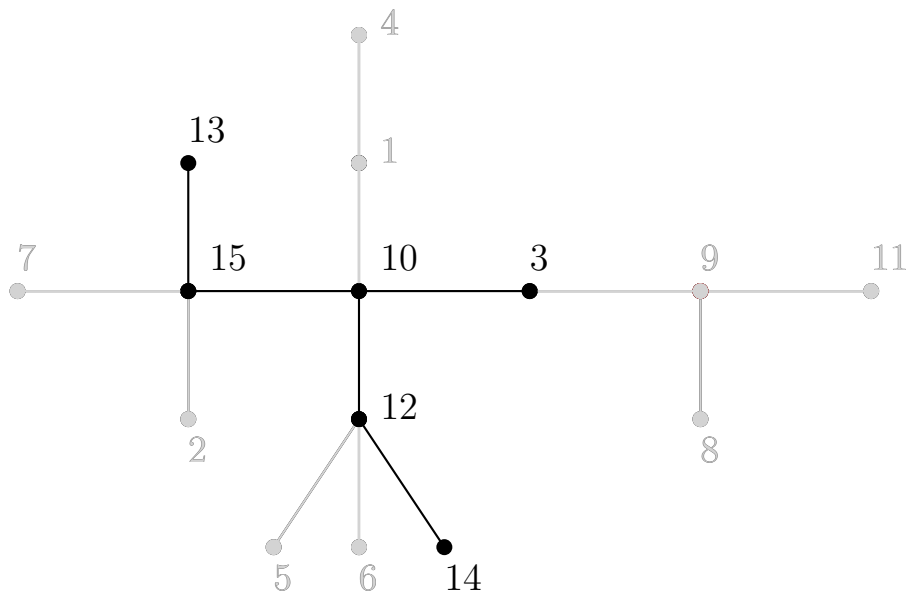
$$L = \{9, 13, 14\}$$

$$\min L = 9$$



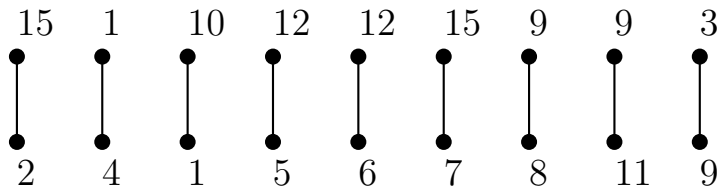


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

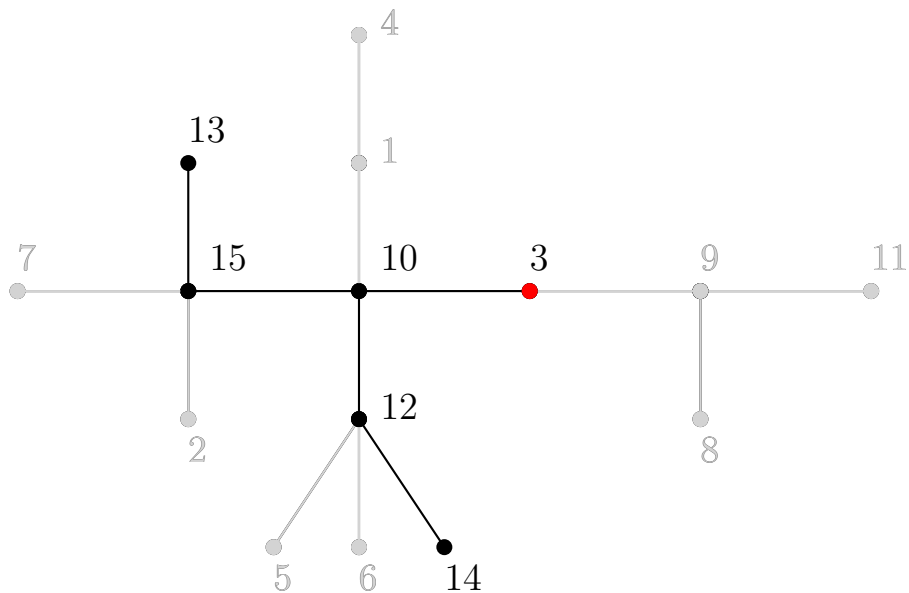


$$L = \{9, 13, 14\}$$

$$\min L = 9$$

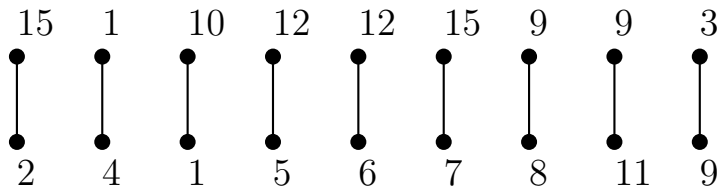


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

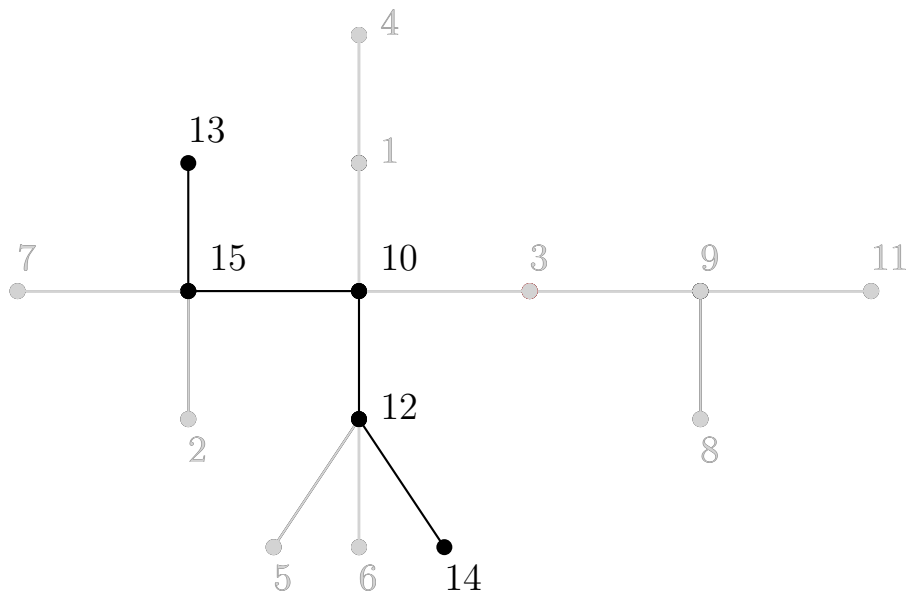


$$L = \{3, 13, 14\}$$

$$\min L = 3$$

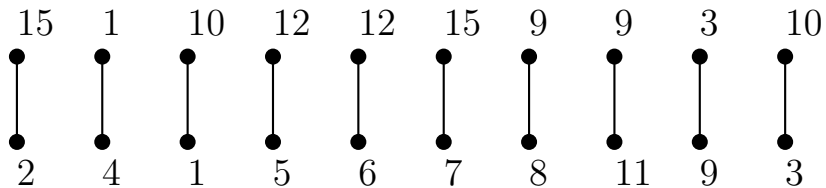


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

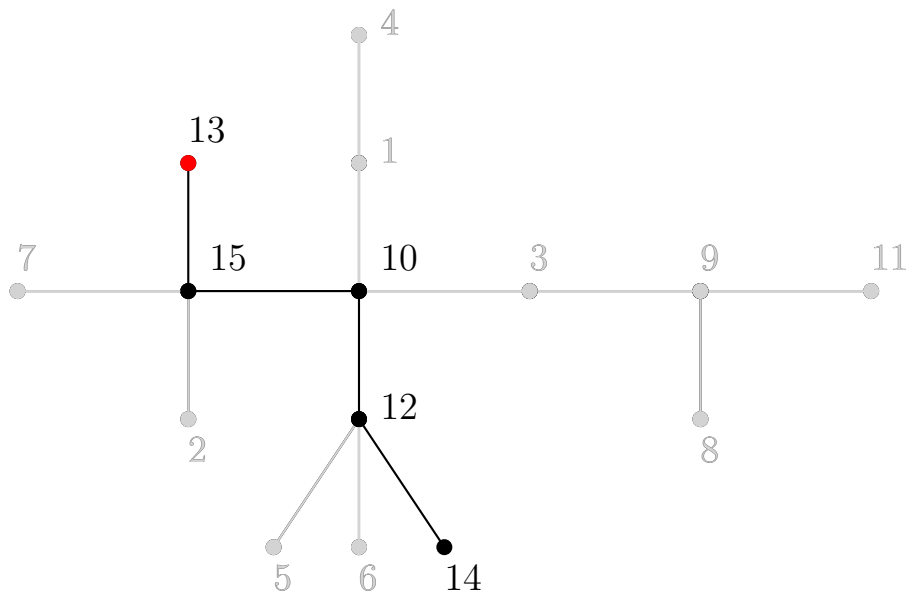


$$L = \{3, 13, 14\}$$

$$\min L = 3$$

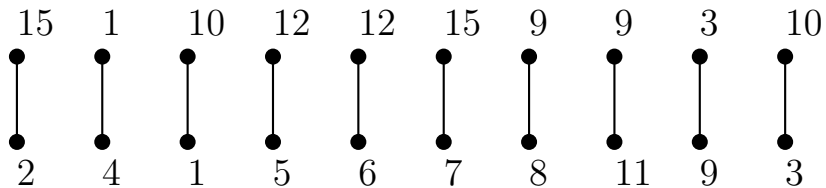


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

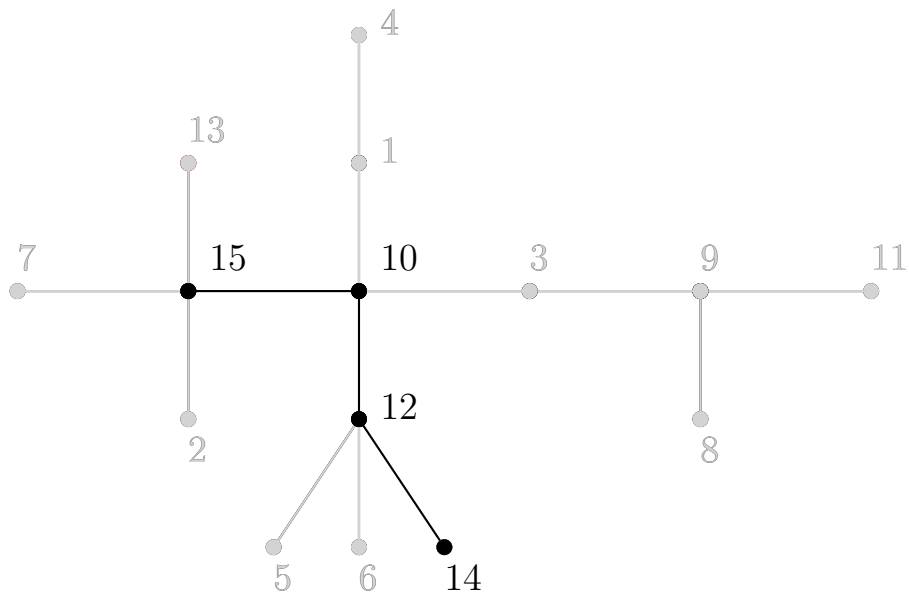


$$L = \{13, 14\}$$

$$\min L = 13$$

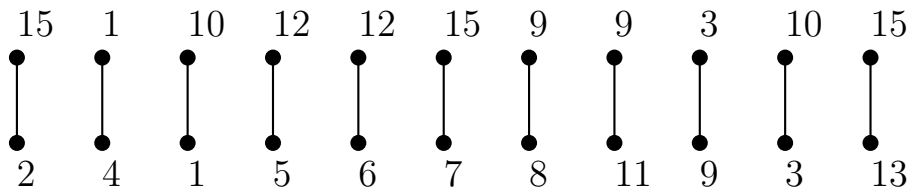


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

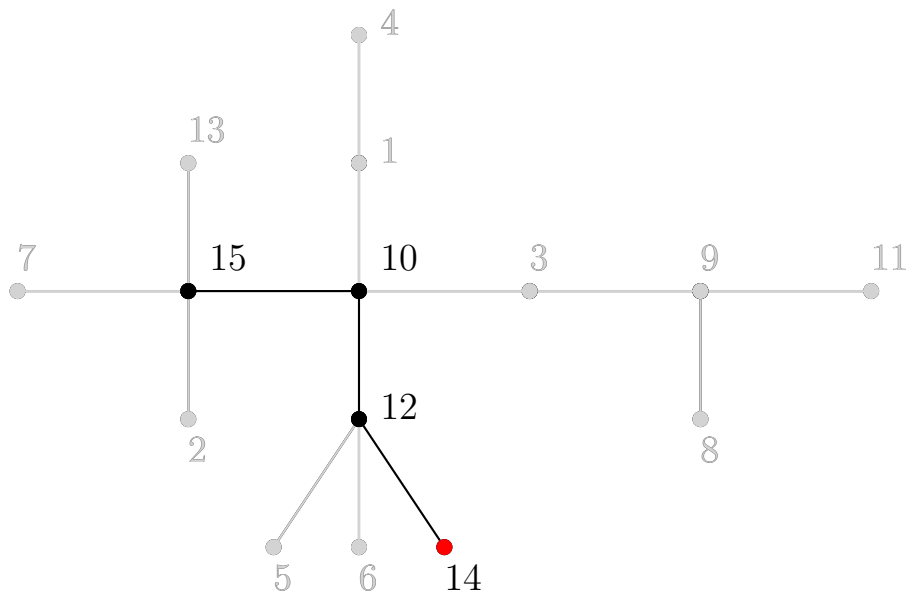


$$L = \{13, 14\}$$

$$\min L = 13$$

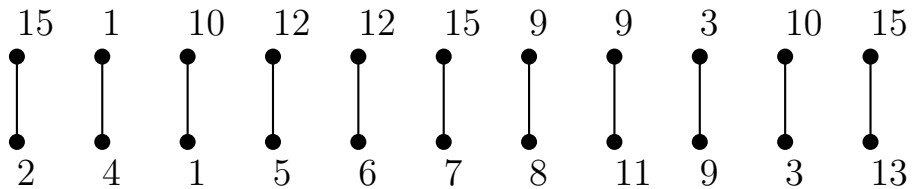


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

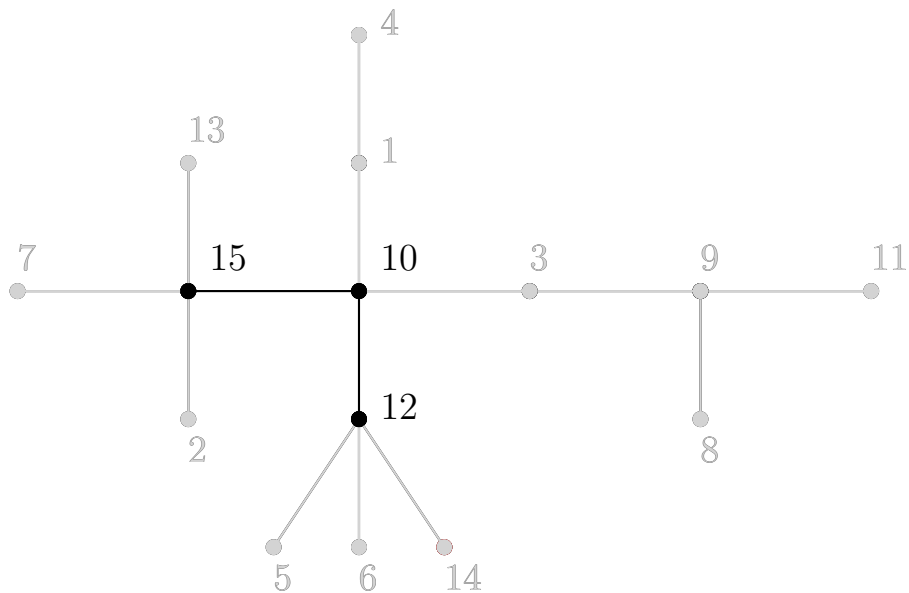


$$L = \{14, 15\}$$

$$\min L = 14$$

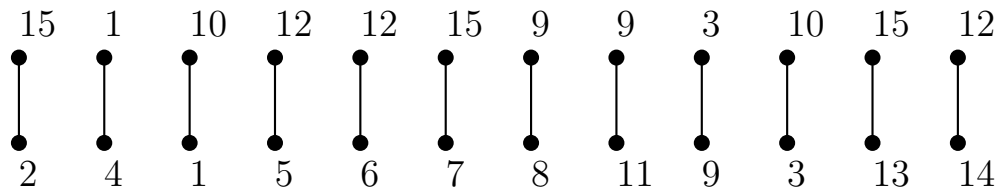


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

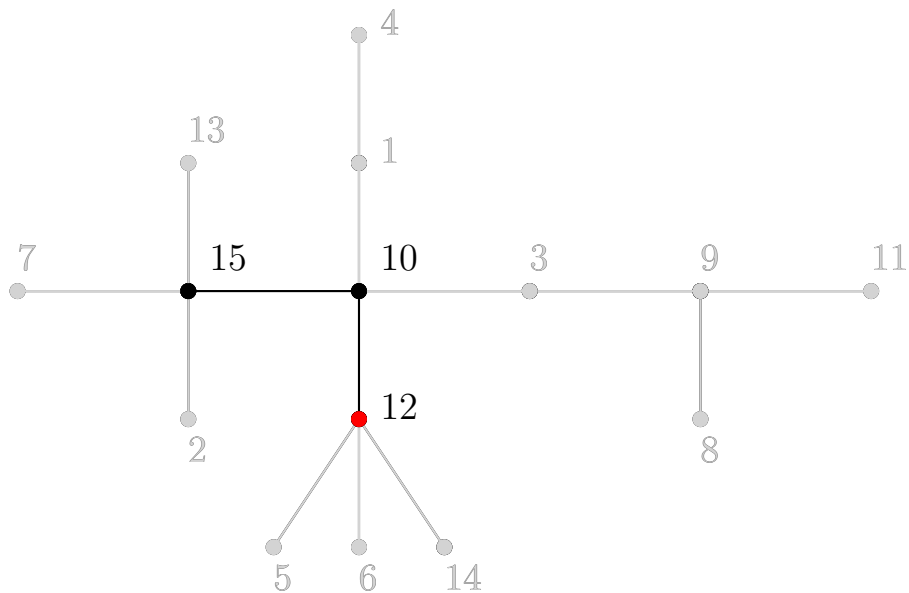


$$L = \{14, 15\}$$

$$\min L = 14$$

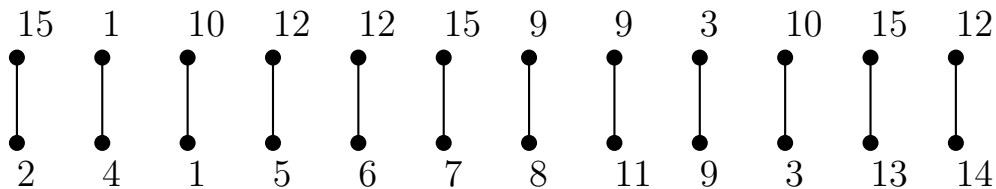


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



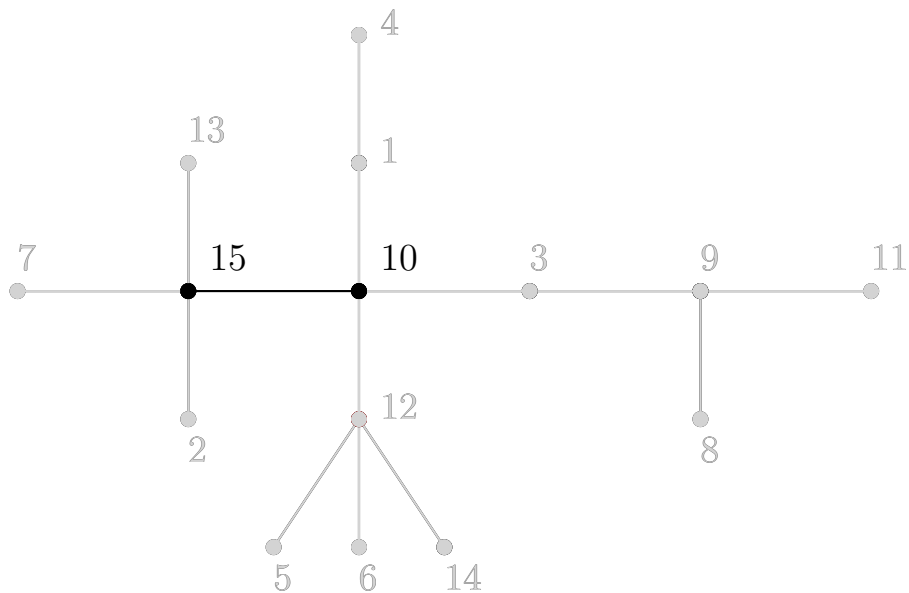
$$L = \{12, 15\}$$

$$\min L = 12$$



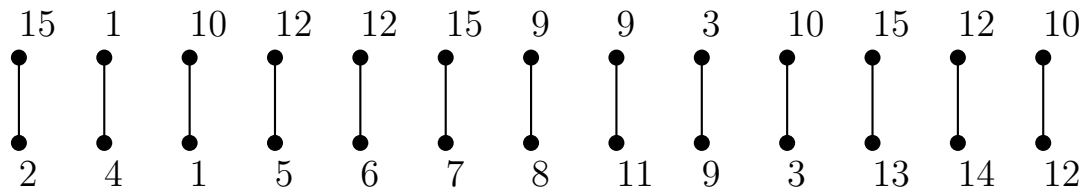


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

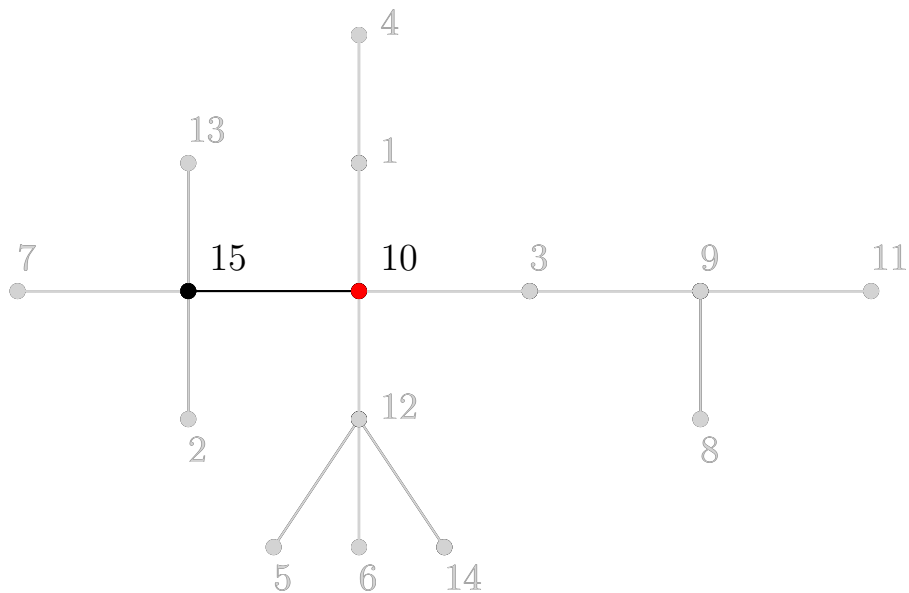


$$L = \{12, 15\}$$

$$\min L = 12$$

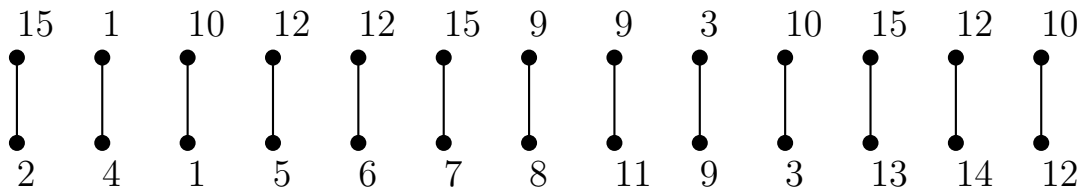


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

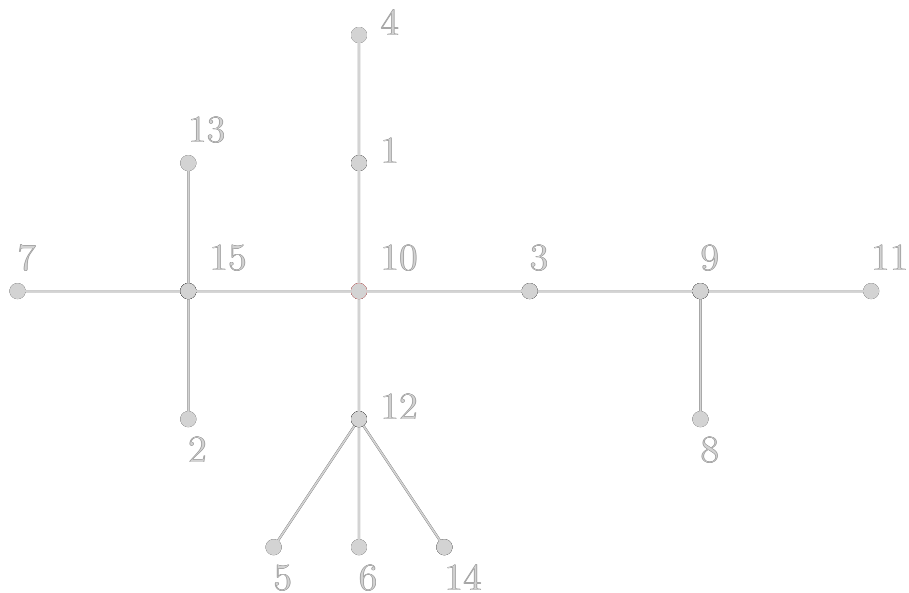


$$L = \{10, 15\}$$

$$\min L = 10$$

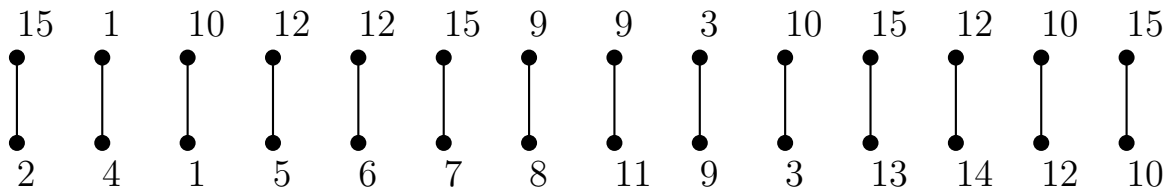


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

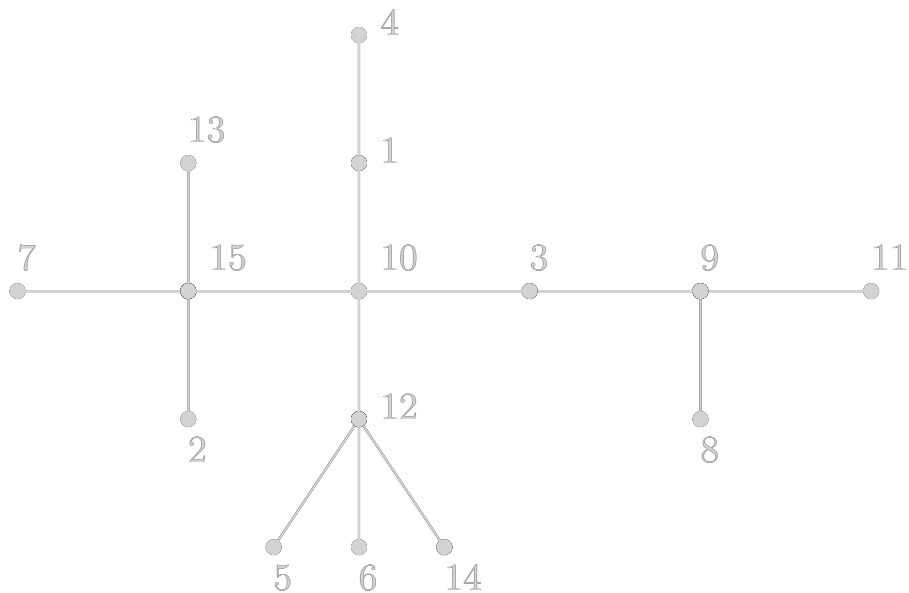


$$L = \{10, 15\}$$

$$\min L = 10$$

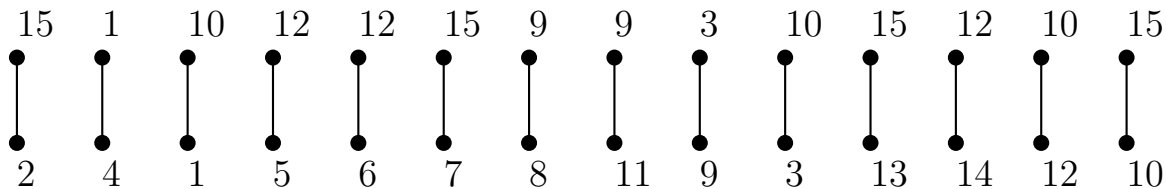


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

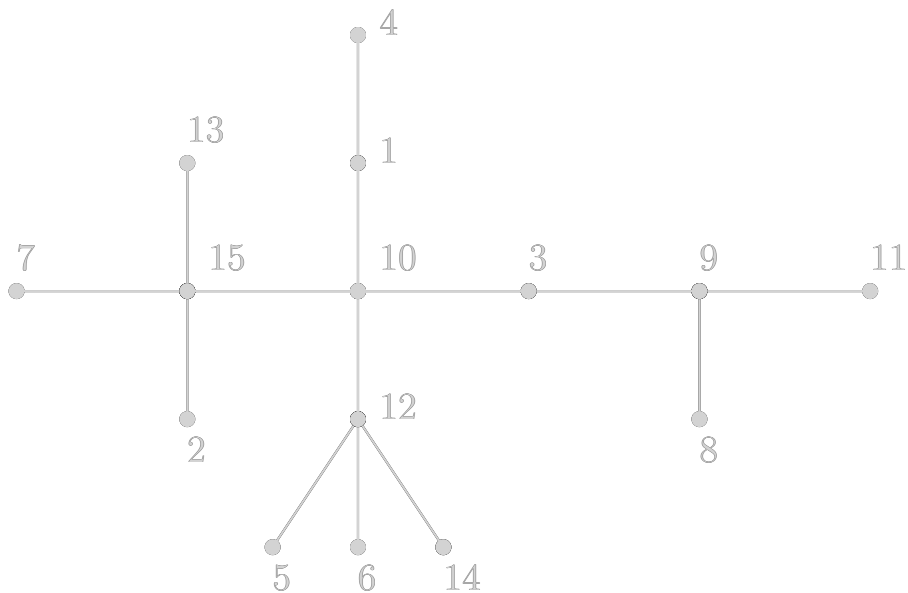


$L = \{ \}$

$\min L = -$

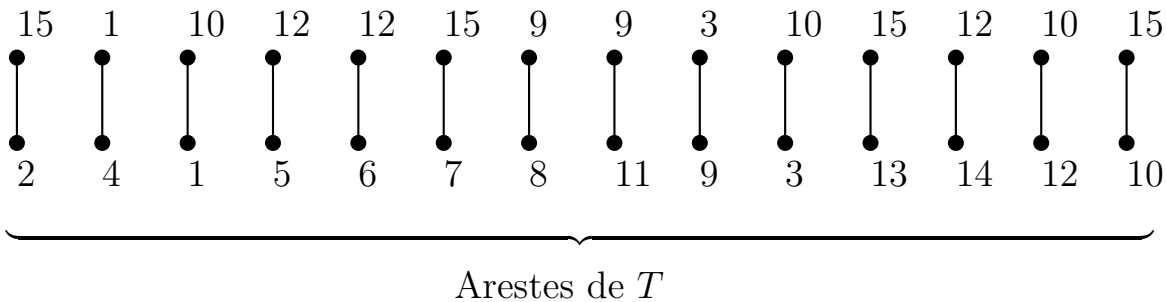


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

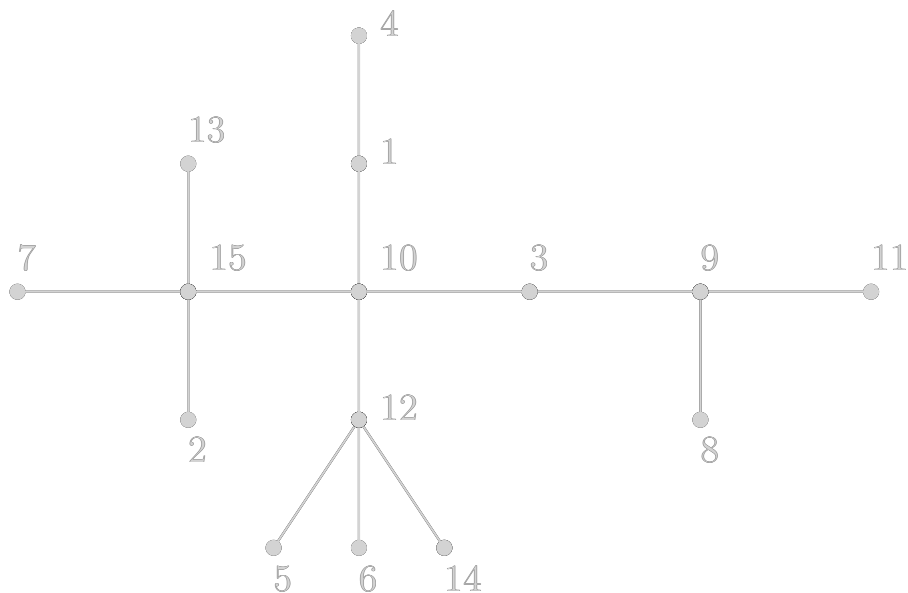


$L = \{\}$

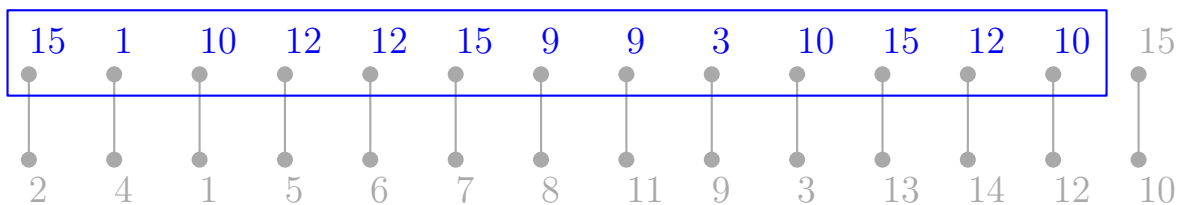
$\min L = -$



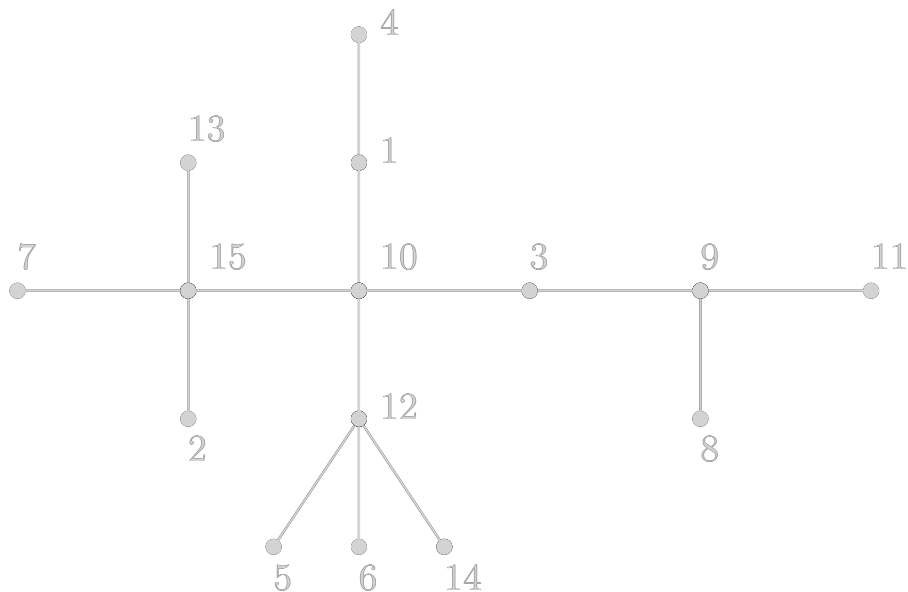
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



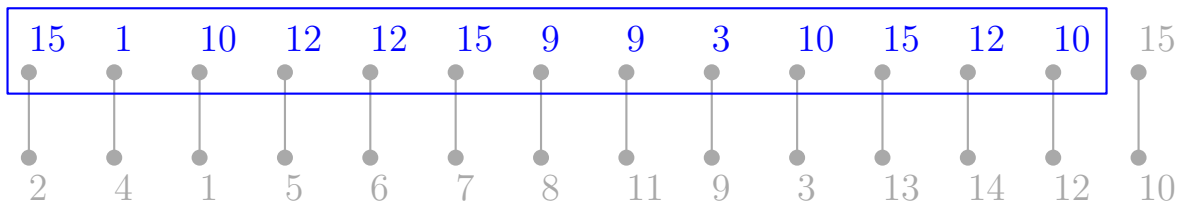
Seqüència de Prüfer



## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

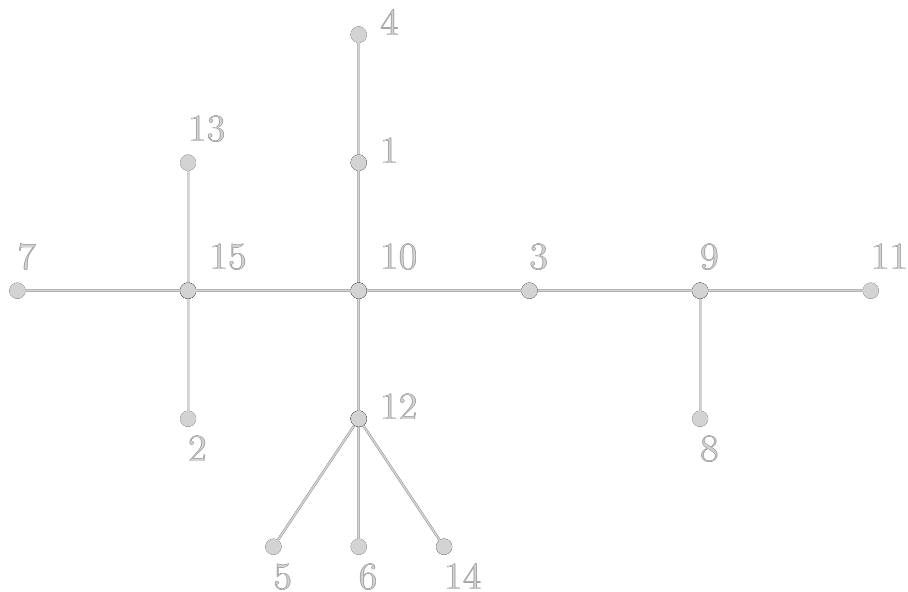


### Seqüència de Prüfer

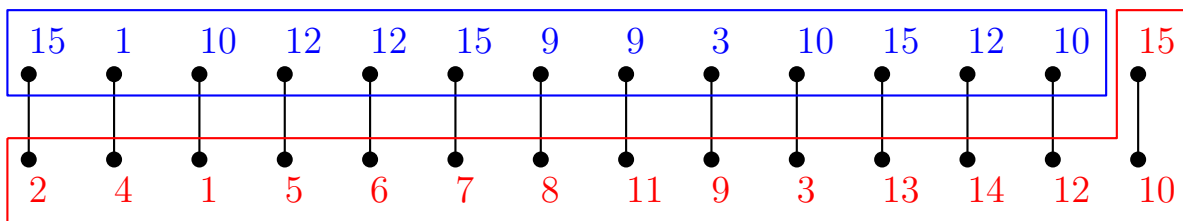


té longitud 13 ( $= mida(T) - 1 = ord(T) - 2$ )

# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



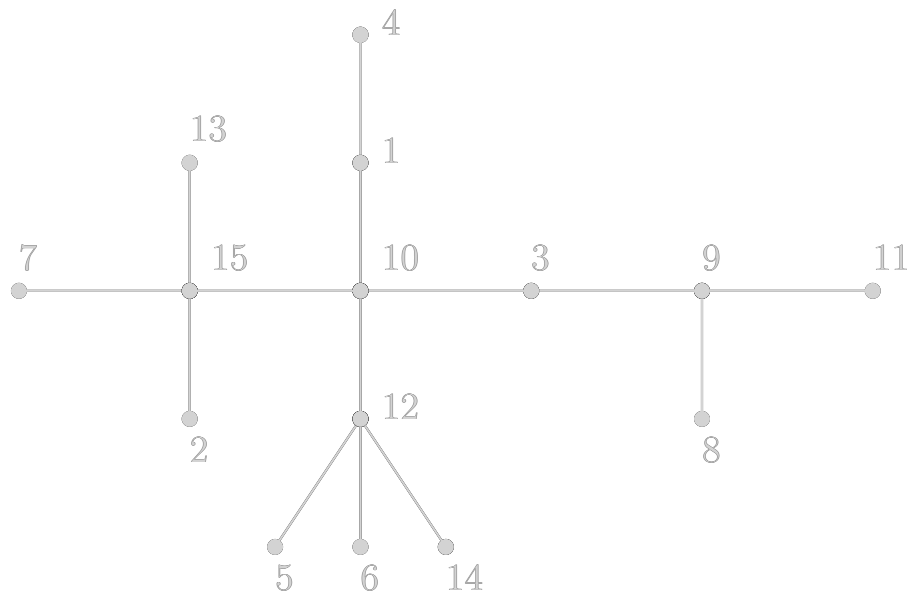
Seqüència de Prüfer



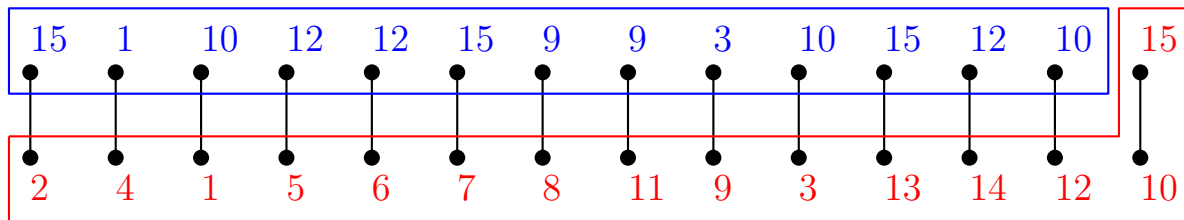
Vèrtexs de  $T$



# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



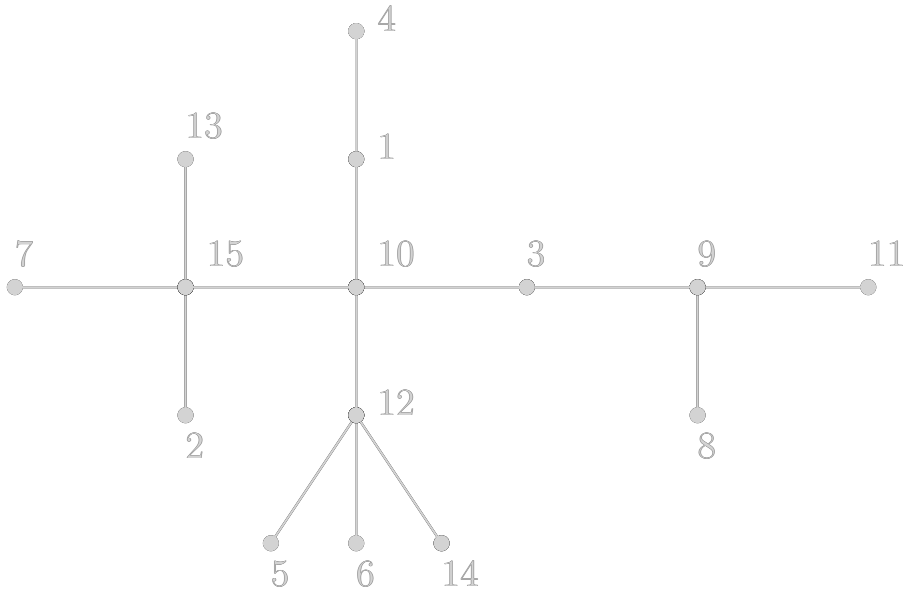
Seqüència de Prüfer



Vèrtexs de  $T$

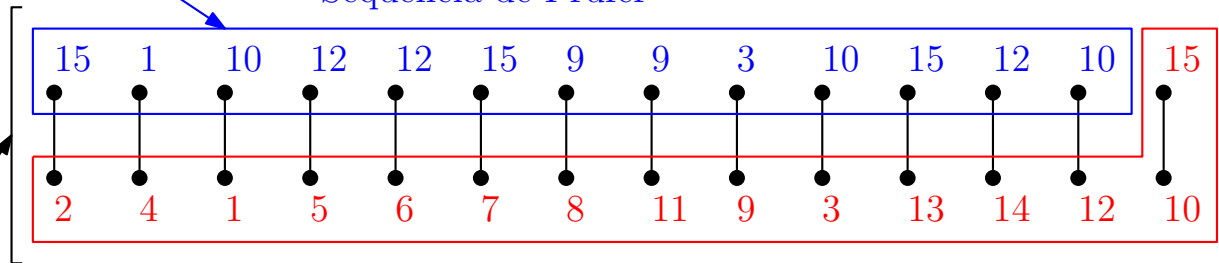
el vèrtex  $i$  apareix  $g(i)$  vegades

## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



el vèrtex  $i$  apareix  $g(i) - 1$  vegades

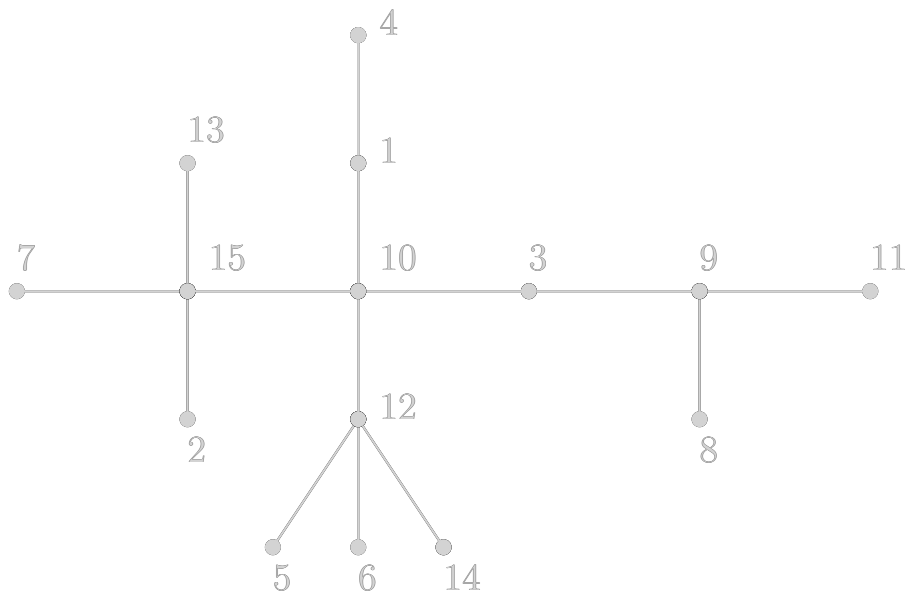
## Seqüència de Prüfer



Vèrtexs de  $T$

el vèrtex  $i$  apareix  $g(i)$  vegades

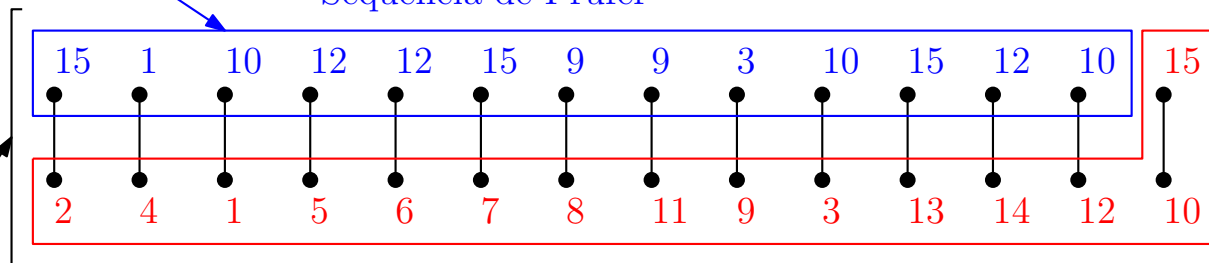
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$



el vèrtex  $i$  apareix  $g(i) - 1$  vegades

per tant, les fulles són els únics vèrtexs que NO apareixen a la seqüència de Prüfer!!!

Seqüència de Prüfer

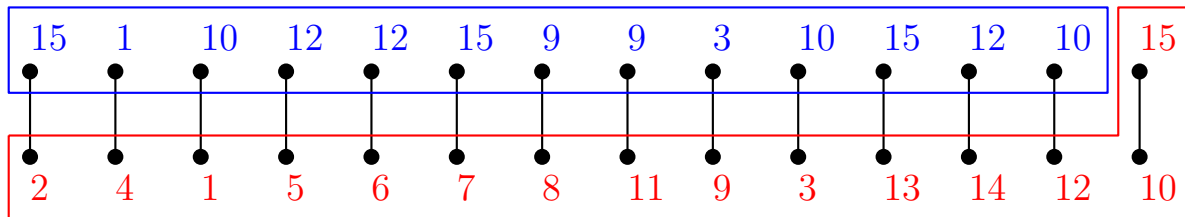


Vèrtexs de  $T$

el vèrtex  $i$  apareix  $g(i)$  vegades

# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

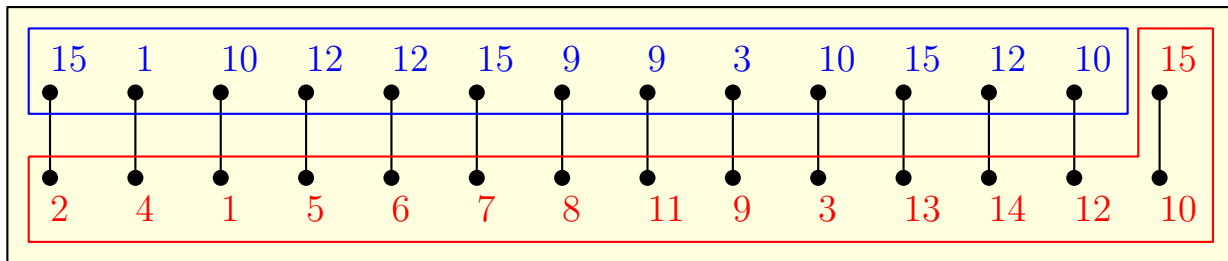
Seqüència de Prüfer



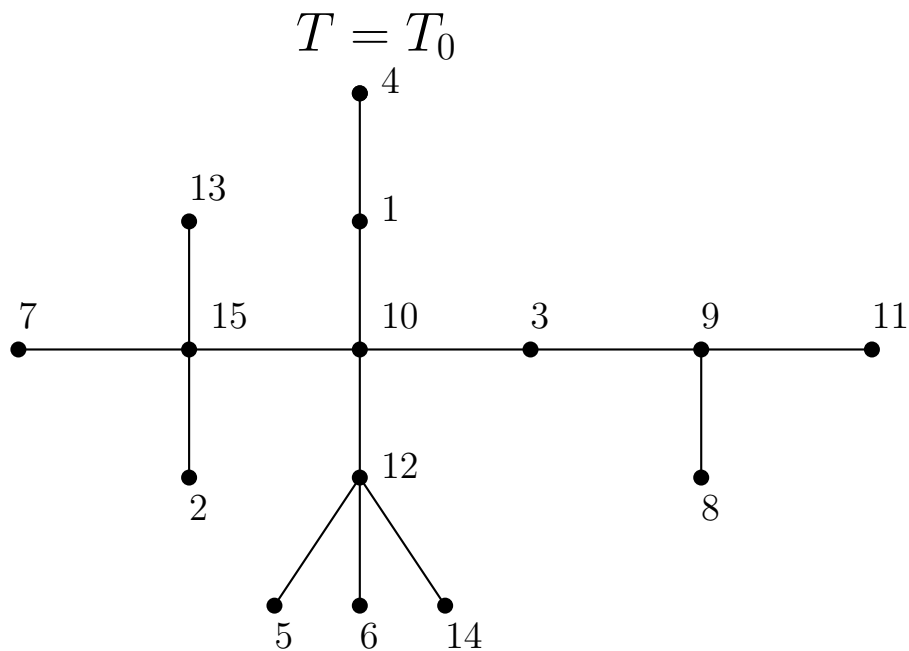
Vèrtexs de l'arbre

# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer

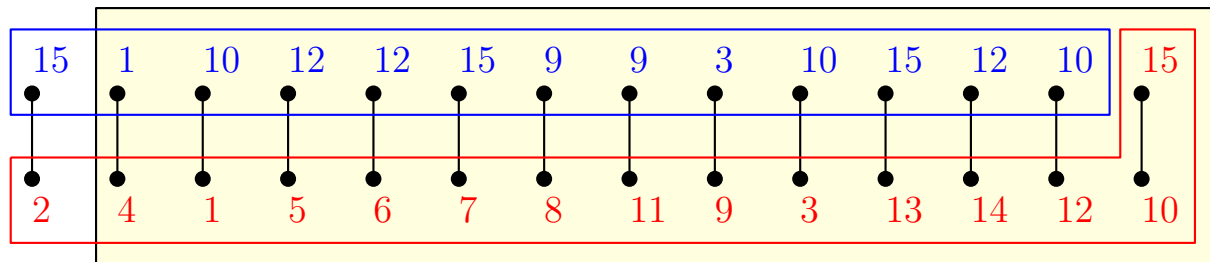


Vèrtexs de l'arbre

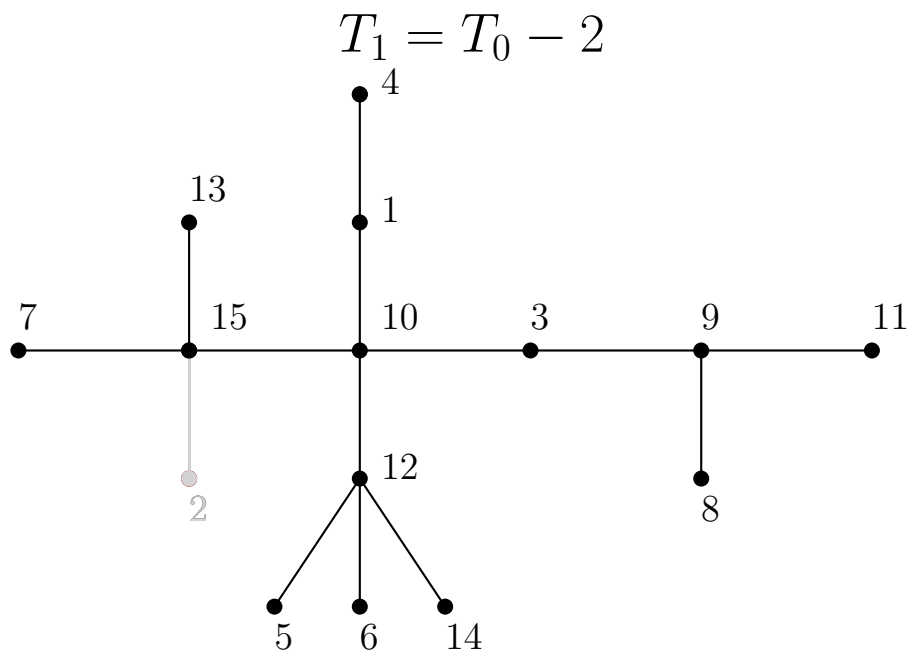


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer

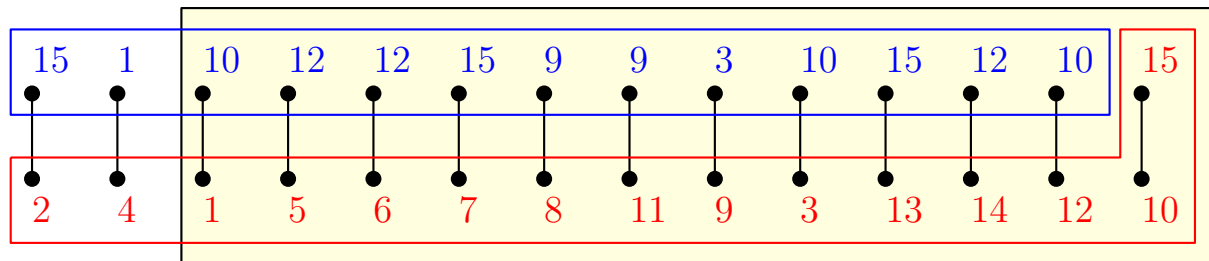


Vèrtexs de l'arbre

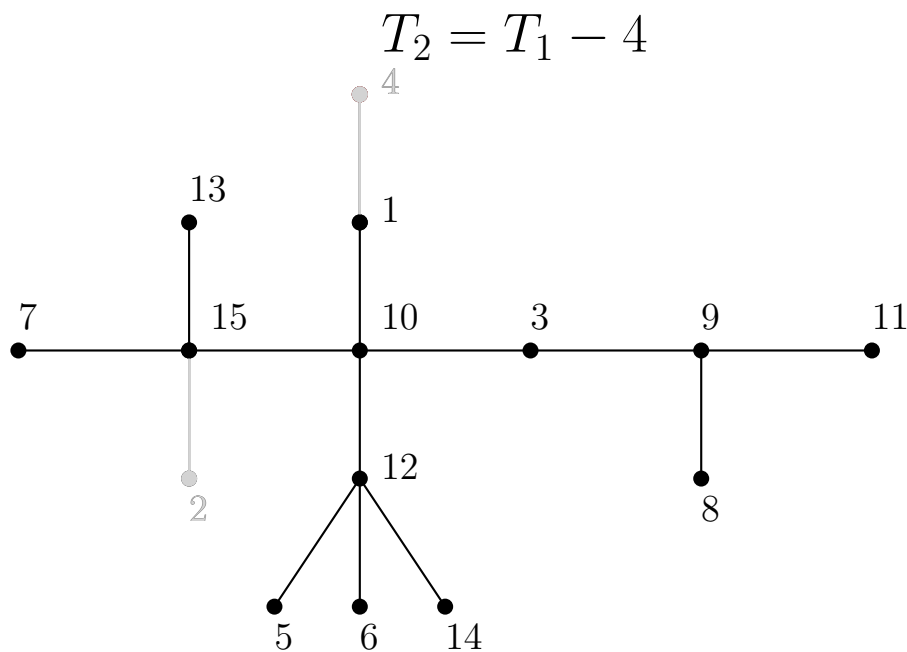


# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer

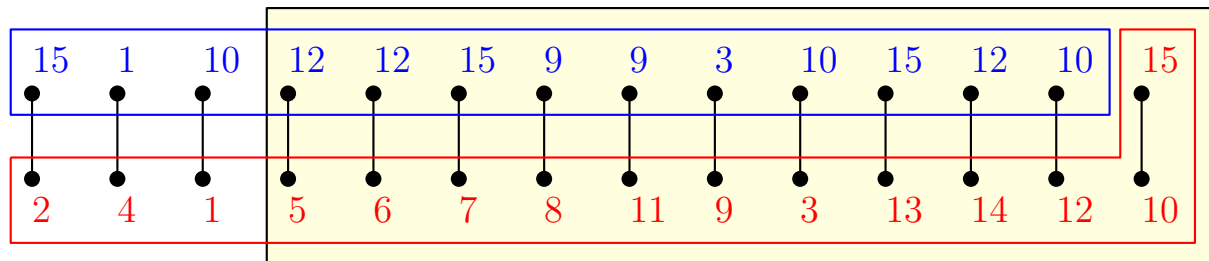


Vèrtexs de l'arbre



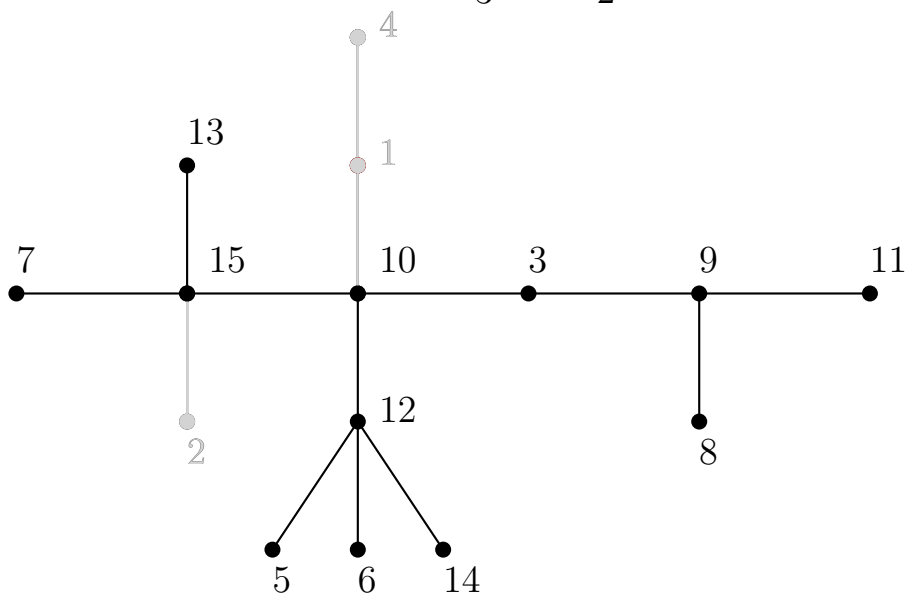
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



Vèrtexs de l'arbre

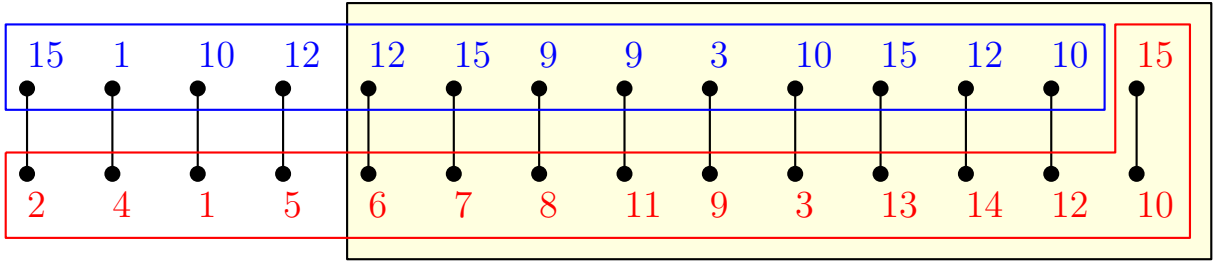
$$T_3 = T_2 - 1$$





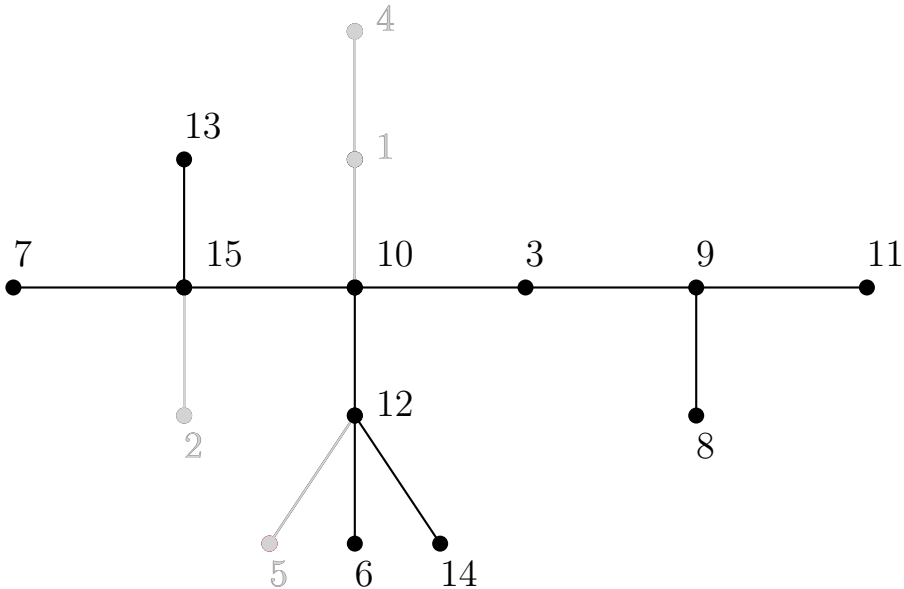
## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

## Seqüència de Prüfer



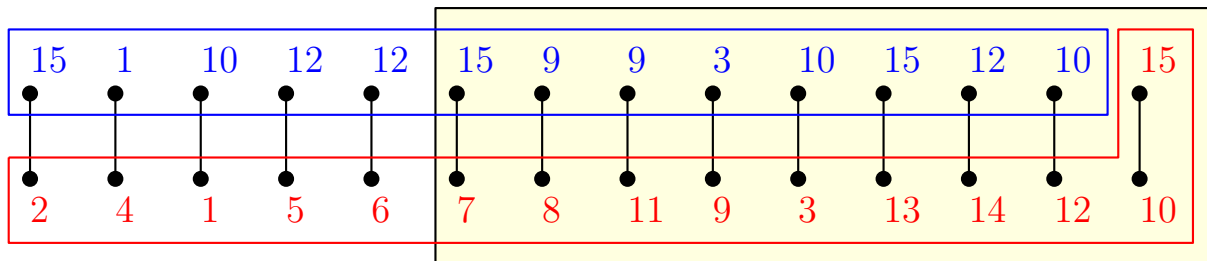
## Vèrtexs de l'arbre

$$T_4 = T_3 - 5$$



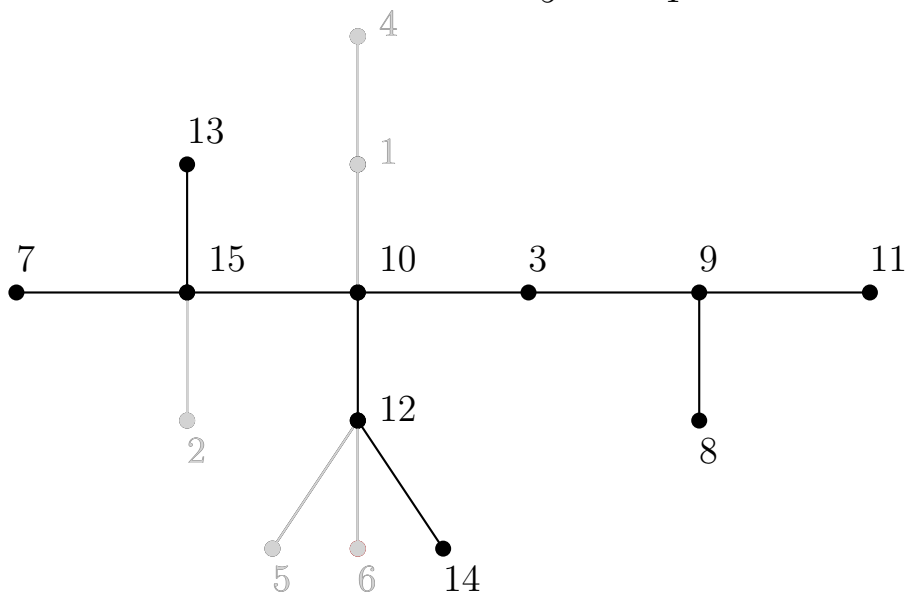
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



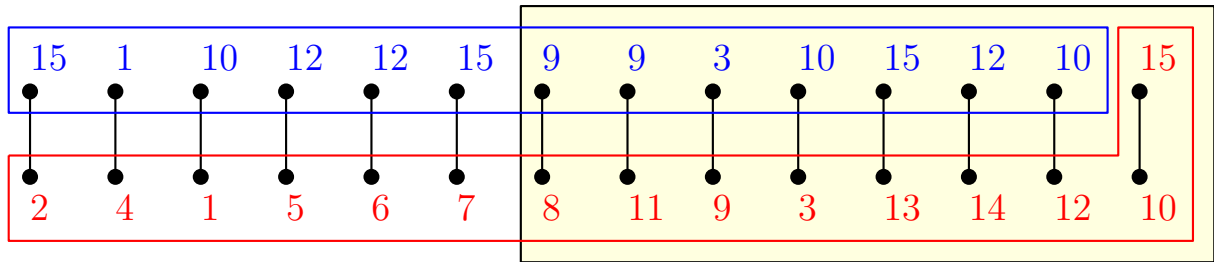
Vèrtexs de l'arbre

$$T_5 = T_4 - 6$$



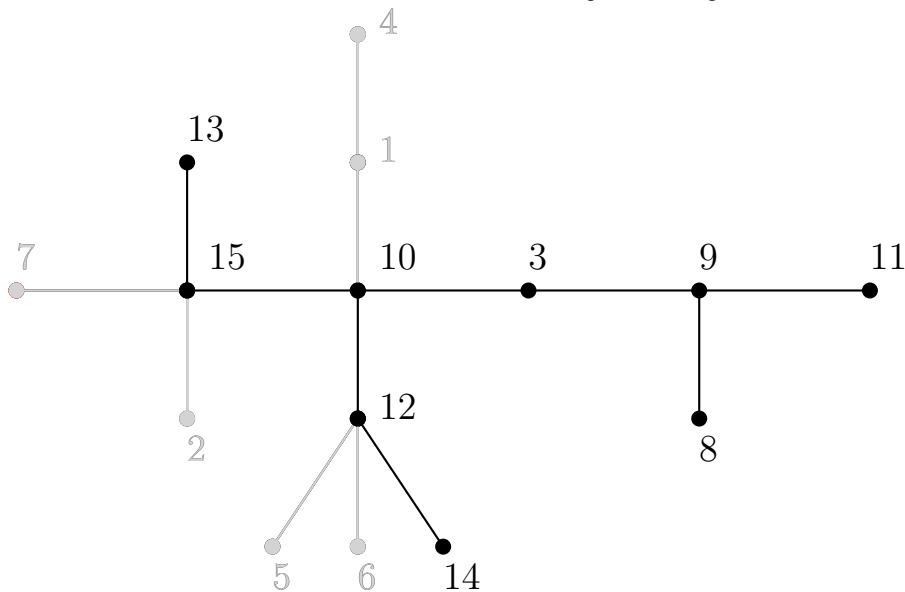
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



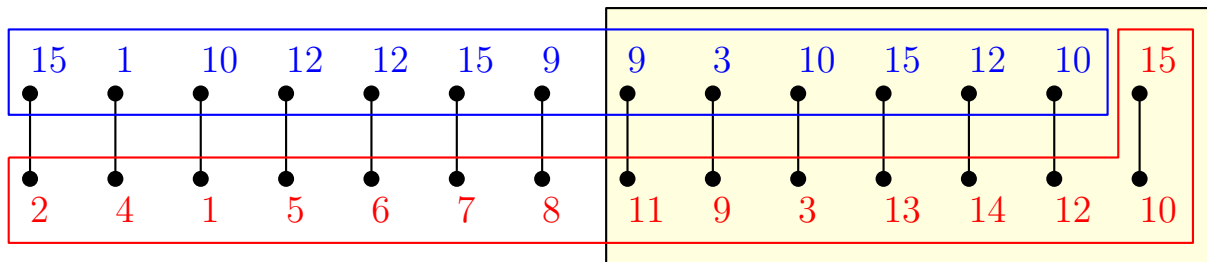
Vèrtexs de l'arbre

$$T_6 = T_5 - 7$$



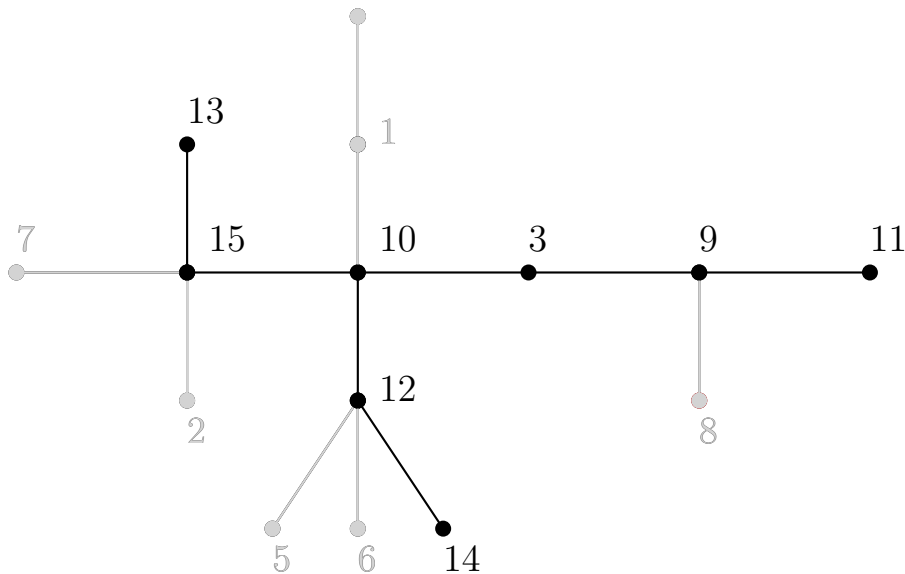
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



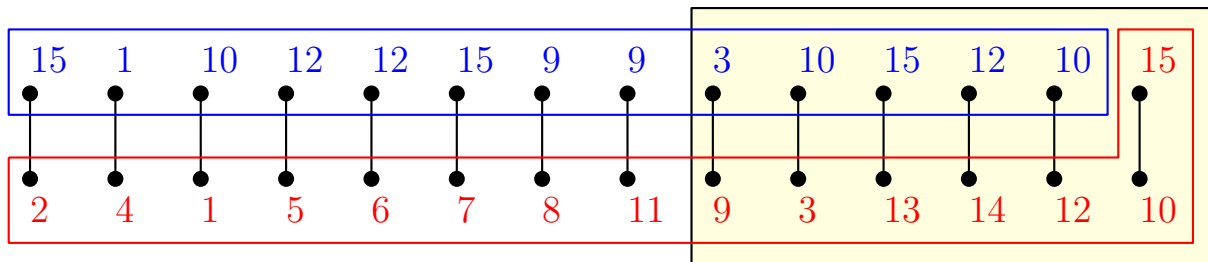
Vèrtexs de l'arbre

$$T_7 = T_6 - 8$$



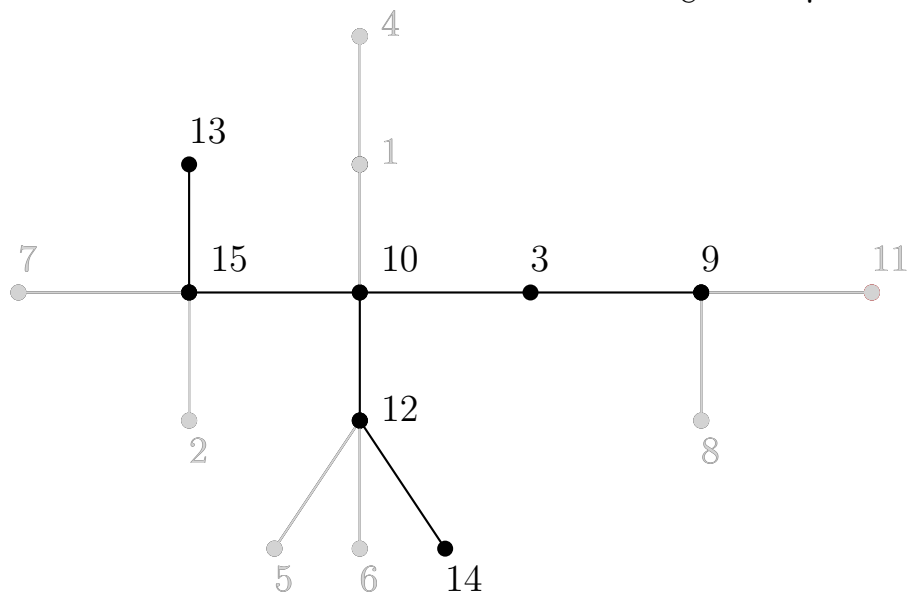
## Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

## Seqüència de Prüfer



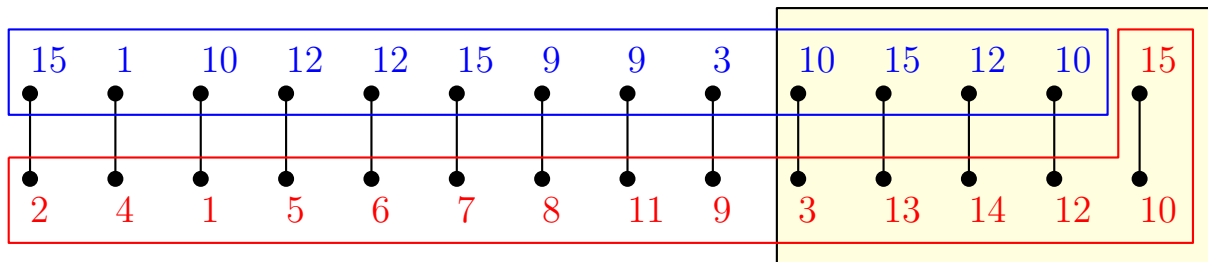
## Vèrtexs de l'arbre

$$T_8 = T_7 - 11$$



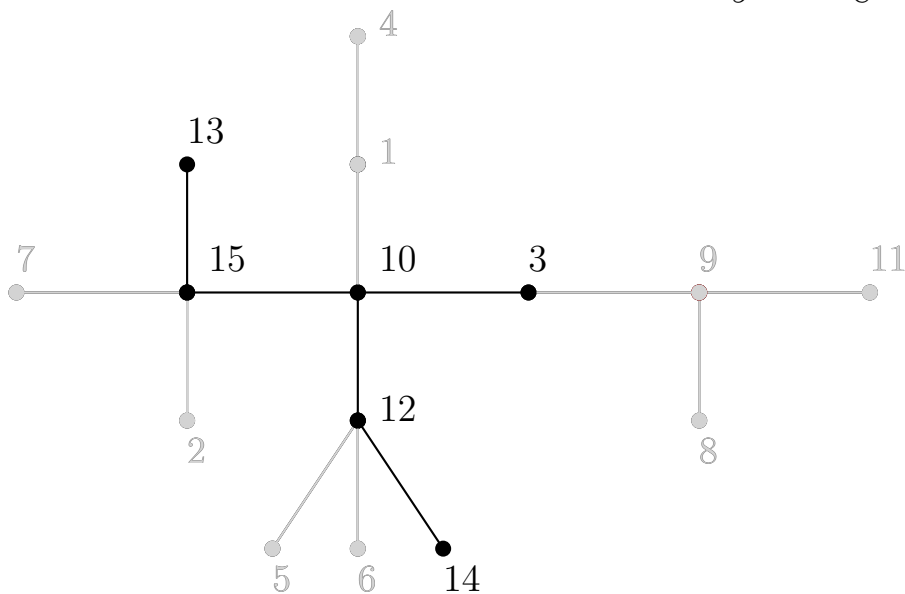
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



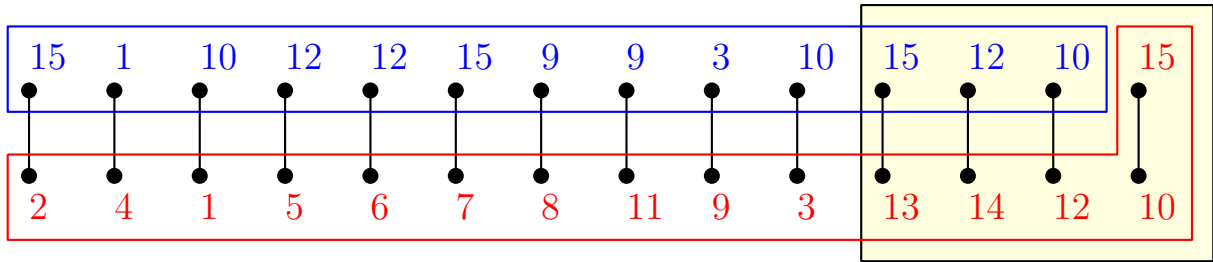
Vèrtexs de l'arbre

$$T_9 = T_8 - 9$$



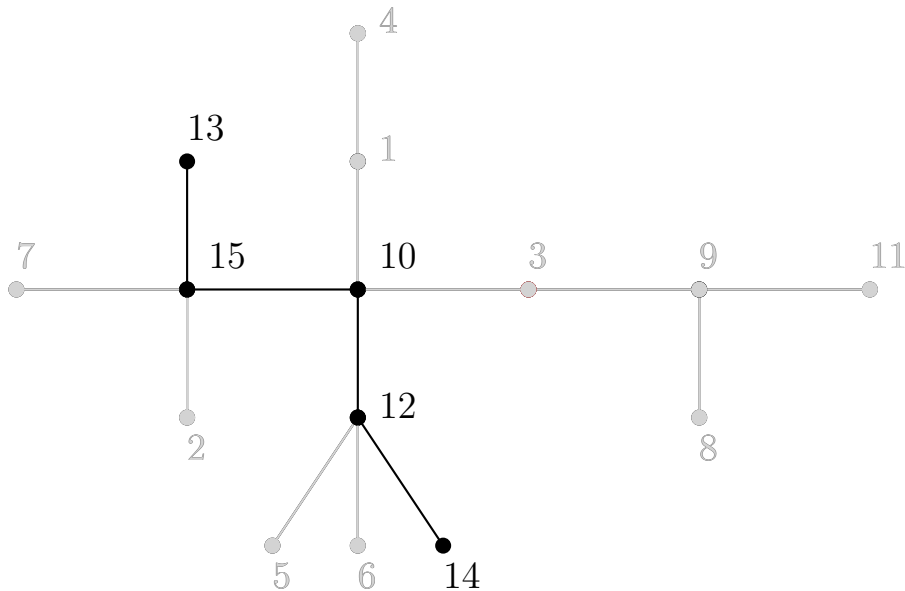
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



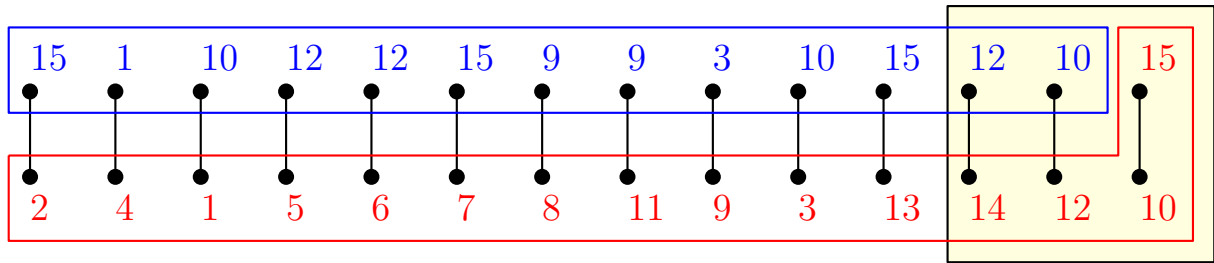
Vèrtexs de l'arbre

$$T_{10} = T_9 - 3$$



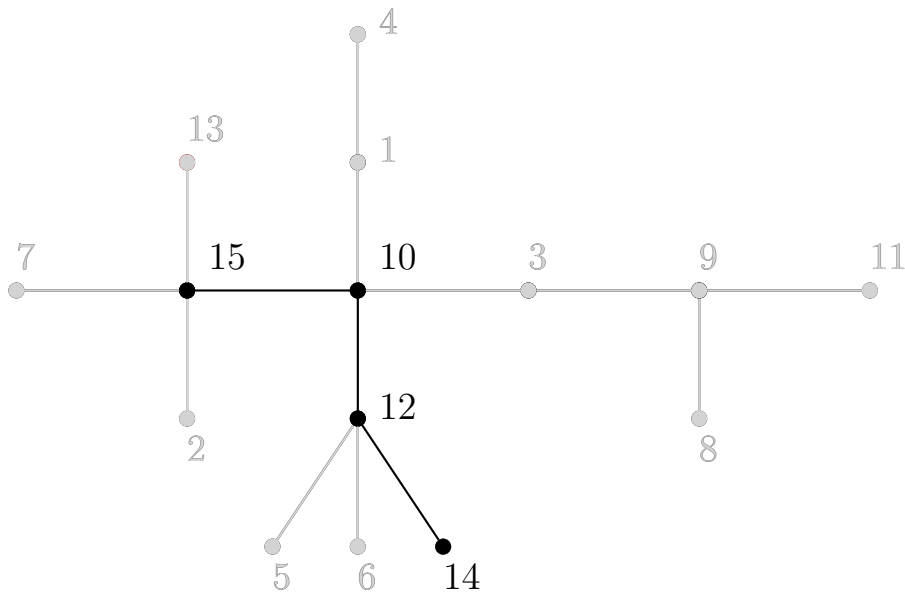
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



Vèrtexs de l'arbre

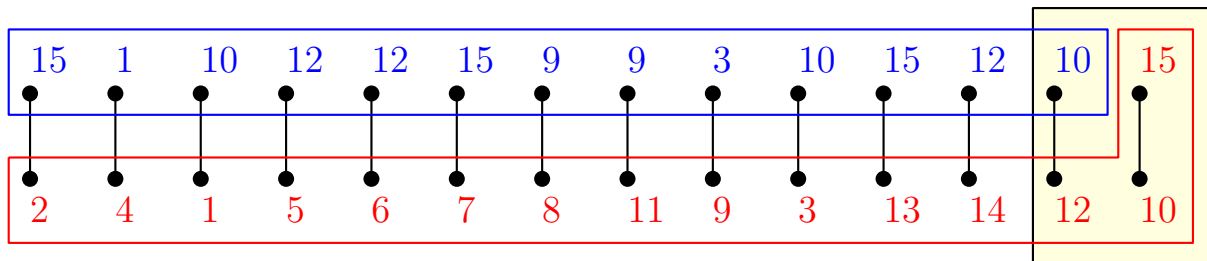
$$T_{11} = T_{10} - 13$$





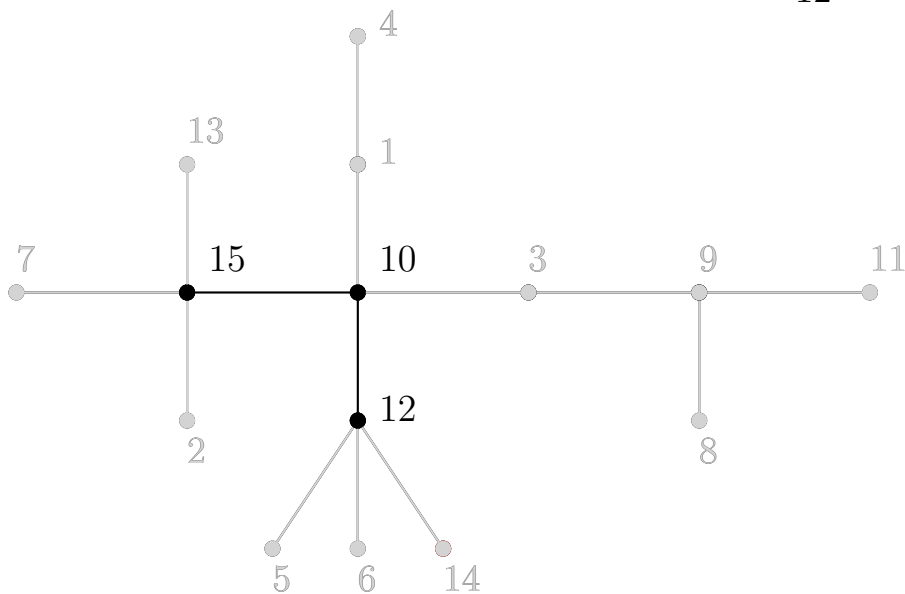
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



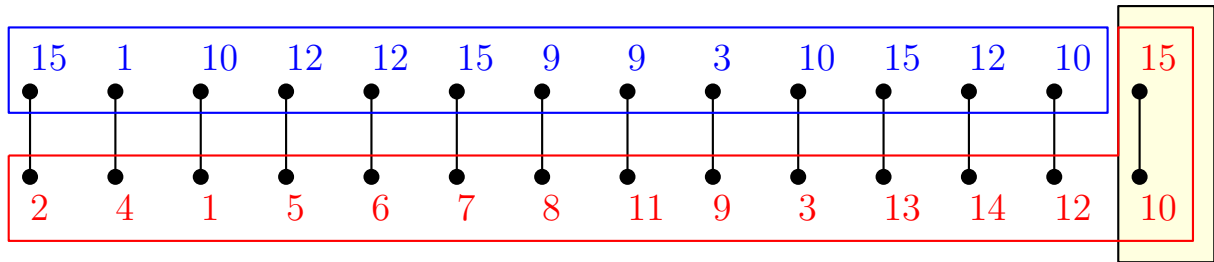
Vèrtexs de l'arbre

$$T_{12} = T_{11} - 14$$



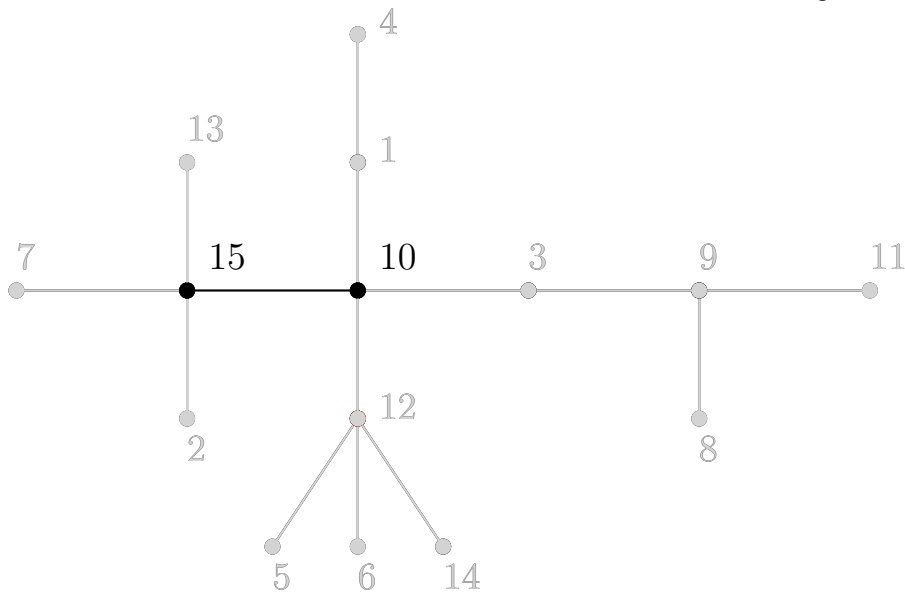
# Seqüència de Prüfer d'un arbre d'ordre $\geq 3$

Seqüència de Prüfer



Vèrtexs de l'arbre

$$T_{13} = T_{12} - 12$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

Seqüència de Prüfer: (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10)

## Reconstrucció d'un arbre a partir de la seqüència de Prüfer

Seqüència de Prüfer:  $(15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10)$

té longitud 13, per tant és la seqüència de Prüfer d'un arbre d'ordre 15

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

Seqüència de Prüfer:  $(15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10)$

té longitud 13, per tant és la seqüència de Prüfer d'un arbre d'ordre 15

$S :=$  seqüència de Prüfer de l'arbre  $T_i$ ,  $i = 0, 1, 2, 3, \dots, 13$

$V :=$  vèrtexs de l'arbre  $T_i$

$P :=$  vèrtexs de l'arbre  $T_i$  que apareixen a la seqüència de Prüfer

$W = V \setminus P :=$  vèrtexs de l'arbre  $T_i$  que NO apareixen a la seqüència de Prüfer

$\min W$  és adjacent al primer valor de la seqüència de Prüfer

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$S := (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10)$$

$$V := \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\}$$

$$P := \{ \quad \quad \quad \}$$

$$W = V \setminus P := \{ \quad \quad \quad \}$$

$$\min W :=$$

$$A(T) := \left\{ \quad \quad \quad \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_0 \quad \boxed{\begin{array}{l} S := (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{ \quad \quad \quad \}$$

$$W = V \setminus P := \{ \quad \quad \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \quad \quad \quad \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_0 \quad \boxed{\begin{array}{l} S := (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{ 1, \quad 3, \quad \quad \quad 9, 10, \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 2, \quad 4, 5, 6, 7, 8, \quad \quad \quad 11, \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \quad \quad \quad \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_0 \quad \boxed{\begin{array}{l} S := (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{ 1, \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 2, \quad 4, 5, 6, 7, 8, \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\min W := 2$$

$$A(T) := \left\{ \quad \quad \quad \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_0 \quad \boxed{\begin{array}{l} S := (15, 1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{ 1, \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 2, \quad 4, 5, 6, 7, 8, \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\min W := 2$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ \bullet \\ 2 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_1 \quad \boxed{\begin{array}{l} S := (1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{ 1, 3, 9, 10, 12, 15 \}$$

$$W = V \setminus P := \{ 4, 5, 6, 7, 8, 11, 13, 14, \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ \bullet \\ 2 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_1 \quad \boxed{\begin{array}{l} S := (1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{1, 3, 9, 10, 12, 15\}$$

$$W = V \setminus P := \{4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min W := 4$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ \bullet \\ 2 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_1 \quad \boxed{\begin{array}{l} S := (1, 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15\} \end{array}}$$

$$P := \{1, 3, 9, 10, 12, 15\}$$

$$W = V \setminus P := \{4, 5, 6, 7, 8, 11, 13, 14\}$$

$$\min W := 4$$

$$A(T) := \left\{ \begin{array}{cc} 15 & 1 \\ \vdots & \vdots \\ 2 & 4 \end{array}, \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_2 \quad \boxed{\begin{array}{l} S := ( \quad 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, \quad 3, \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 1, \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{cc} 15 & 1 \\ \bullet & \bullet \\ \vdots & \vdots \\ 2 & 4 \end{array}, \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_2 \quad \boxed{\begin{array}{l} S := ( \quad 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, \quad 3, \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 1, \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := \quad 1$$

$$A(T) := \left\{ \begin{array}{cc} 15 & 1 \\ \vdots & \vdots \\ 2 & 4 \end{array}, \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_2 \quad \boxed{\begin{array}{l} S := ( \quad 10, 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{1, \quad 3, \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 1, \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := \quad 1$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 1 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_3 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad \quad 3, \quad \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 1 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_3 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad \quad 3, \quad \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad 3, \quad \quad \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 5$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 1 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_3 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad \quad 3, \quad \quad 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad 3, \quad \quad \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 5, 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 5$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_4 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \vdots \\ 5 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_4 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 6$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_4 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 12, 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 6, 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 6$$

$$A(T) := \left\{ \begin{array}{c} 15 \quad 1 \quad 10 \quad 12 \quad 12 \\ \bullet \quad \bullet \quad \bullet \quad \bullet \quad \bullet \\ \vdots \quad \vdots \quad \vdots \quad \vdots \quad \vdots \\ 2 \quad 4 \quad 1 \quad 5 \quad 6 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_5 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad \quad 3, \quad \quad \quad 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 7, 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \quad 1 \quad 10 \quad 12 \quad 12 \\ \vdots \quad \vdots \quad \vdots \quad \vdots \quad \vdots \\ 2 \quad 4 \quad 1 \quad 5 \quad 6 \end{array}, \quad \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_5 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad 9, 10, \quad 12, \quad 15 \}$$

$$W = V \setminus P := \{ \quad 7, 8, \quad 11, \quad 13, 14, \quad \}$$

$$\text{min } W := 7$$

$$A(T) := \left\{ \begin{array}{c} 15 \quad 1 \quad 10 \quad 12 \quad 12 \\ \vdots \quad \vdots \quad \vdots \quad \vdots \quad \vdots \\ 2 \quad 4 \quad 1 \quad 5 \quad 6 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_5 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 15, 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad \quad 3, \quad \quad \quad 7, 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 7, 8, \quad \quad \quad 11, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := \textcolor{red}{7}$$

$$A(T) := \left\{ \begin{array}{c} 15 \quad 1 \quad 10 \quad 12 \quad 12 \quad 15 \\ \bullet \quad \bullet \quad \bullet \quad \bullet \quad \bullet \quad \bullet \\ \vdots \quad \vdots \quad \vdots \quad \vdots \quad \vdots \quad \vdots \\ 2 \quad 4 \quad 1 \quad 5 \quad 6 \quad 7 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_6 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_6 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 8$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_6 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 9, 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 8, 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 8, \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 8$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_7 \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 9, 3, 10, 15, 12, 10) \\ V := \{ \qquad 3, \qquad \qquad \qquad 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \qquad 3, \qquad \qquad \qquad 9, 10, \qquad 12, \qquad \qquad 15 \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad 11, \qquad \qquad 13, 14, \qquad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_7 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 11$$

$$A(T) := \left\{ \begin{array}{ccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_7 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 9, 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 9, 10, 11, 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 11, \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 11$$

$$A(T) := \left\{ \begin{array}{cccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_8 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 9, 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad 10, \quad \quad 12, \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 9, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_8 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 9, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 9$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_8 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 3, 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad \quad 9, 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad 3, \quad \quad \quad 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 9, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 9$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \vdots \\ 9 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_9 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad \quad 10, \quad \quad 12, \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 3, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{cccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_9 \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 10, 15, 12, 10) \\ V := \{ \qquad 3, \qquad \qquad 10, \qquad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad 15 \}$$

$$W = V \setminus P := \{ \qquad 3, \qquad \qquad \qquad 13, 14, \qquad \}$$

$$\text{min } W := 3$$

$$A(T) := \left\{ \begin{array}{cccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_9 \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 10, 15, 12, 10) \\ V := \{ \quad 3, \quad \quad 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad \quad 10, \quad \quad 12, \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad 3, \quad \quad \quad 13, 14, \quad \}$$

$$\text{min } W := 3$$

$$A(T) := \left\{ \begin{array}{cccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{10} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 15, 12, 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad 15 \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad 13, 14, \qquad \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{cccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{10} \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad 15, 12, 10) \\ V := \{ \quad \quad \quad 10, \quad \quad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \quad \quad \quad 10, \quad \quad 12, \quad \quad \quad 15 \}$$

$$W = V \setminus P := \{ \quad \quad \quad 13, 14, \quad \}$$

$$\min W := 13$$

$$A(T) := \left\{ \begin{array}{cccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{10} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 15, 12, 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, 13, 14, 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad 15 \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad 13, 14, \qquad \}$$

$$\min W := 13$$

$$A(T) := \left\{ \begin{array}{cccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{11} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 12, 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad 14, 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad \qquad \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad 14, 15 \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{cccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | & | \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$\begin{array}{l}
 T_{11} \quad \boxed{
 \begin{array}{l}
 S := ( \qquad \qquad \qquad 12, 10) \\
 V := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad 14, 15 \} \\
 P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad \qquad \} \\
 W = V \setminus P := \{ \qquad \qquad \qquad \qquad \qquad \qquad 14, 15 \}
 \end{array}
 }
 \end{array}$$

$\min W := 14$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ | \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ | \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ | \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ | \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ | \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ | \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ | \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ | \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ | \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ | \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ | \\ 13 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{11} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 12, 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad 14, 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad \qquad \qquad \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad \qquad \qquad \qquad 14, 15 \}$$

$$\text{min } W := 14$$

$$A(T) := \left\{ \begin{array}{cccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{12} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 10) \\ V := \{ \qquad \qquad 10, \qquad 12, \qquad 15 \} \end{array}}$$

$$P := \{ \qquad \qquad 10, \qquad \qquad \qquad \}$$

$$W = V \setminus P := \{ \qquad \qquad 12, \qquad \qquad 15 \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{cccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | & | & | \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{12} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad \qquad \qquad \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad 12, \qquad \qquad \qquad 15 \}$$

$$\min W := 12$$

$$A(T) := \left\{ \begin{array}{cccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{12} \quad \boxed{\begin{array}{l} S := ( \qquad \qquad \qquad 10) \\ V := \{ \qquad \qquad \qquad 10, \qquad 12, \qquad 15 \} \end{array}}$$

$$P := \{ \qquad \qquad \qquad 10, \qquad \qquad \qquad \}$$

$$W = V \setminus P := \{ \qquad \qquad \qquad 12, \qquad \qquad \qquad 15 \}$$

$$\min W := 12$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \vdots \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 12 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{13} \quad \boxed{\begin{array}{l} S := ( \quad \quad \quad ) \\ V := \{ \quad \quad \quad 10, \quad \quad \quad 15 \} \end{array}}$$

$$P := \{ \quad \quad \quad \}$$

$$W = V \setminus P := \{ \quad \quad \quad 10, \quad \quad \quad 15 \}$$

$$\text{min } W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \vdots \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 12 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{13} \quad \boxed{\begin{array}{l} S := ( \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} ) \\ V := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 10, \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 15 \} \end{array}}$$

$$P := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} \}$$

$$W = V \setminus P := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 10, \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 15 \}$$

$$\min W := 10$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \vdots \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 12 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$T_{13} \quad \boxed{\begin{array}{l} S := ( \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} ) \\ V := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 10, \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 15 \} \end{array}}$$

$$P := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} \}$$

$$W = V \setminus P := \{ \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 10, \phantom{1,2,3,4,5,6,7,8,9,10,11,12,13} 15 \}$$

$$\min W := 10$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \vdots \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \vdots \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \vdots \\ 12 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \vdots \\ 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

$$S := ( \quad )$$

$$V := \{ \quad \}$$

$$P := \{ \quad \}$$

$$W = V \setminus P := \{ \quad \}$$

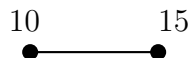
$$\min W :=$$

$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ | \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ | \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ | \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ | \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ | \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ | \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ | \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ | \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ | \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ | \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ | \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ | \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ | \\ 12 \end{array}, \begin{array}{c} 15 \\ \bullet \\ | \\ 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer

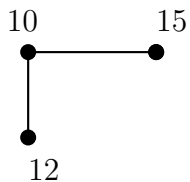
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ | & | & | & | & | & | & | & | & | & | & | & | & | & | \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



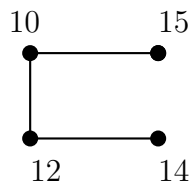
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid & \mid \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



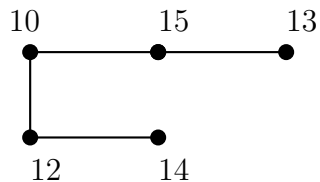
$$A(T) := \left\{ \begin{array}{cccccccccccccc} \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 1 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 3 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} & , & \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} \\ 2 & & 4 & & 1 & & 5 & & 6 & & 7 & & 8 & & 11 & & 9 & & 3 & & 13 & & 14 & & 12 & & 10 & & 15 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



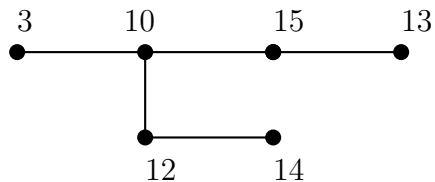
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

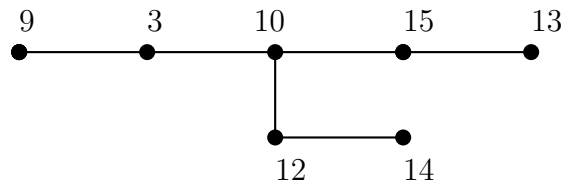
# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{cccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

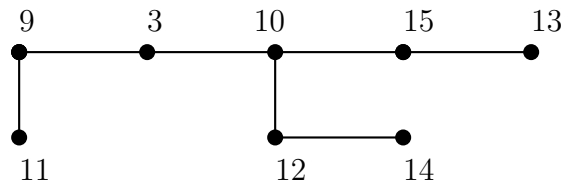


# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



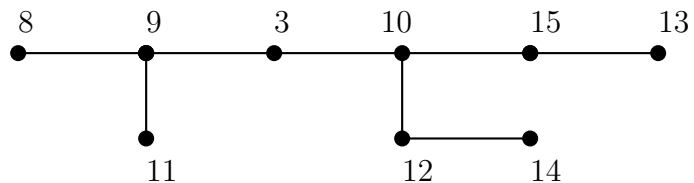
$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \bullet \\ 2 \end{array}, \begin{array}{c} 1 \\ \bullet \\ \bullet \\ 4 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \\ 1 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \\ 5 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \\ 6 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \\ 7 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \bullet \\ 8 \end{array}, \begin{array}{c} 9 \\ \bullet \\ \bullet \\ 11 \end{array}, \begin{array}{c} 3 \\ \bullet \\ \bullet \\ 9 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \\ 3 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \\ 13 \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \\ 14 \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \\ 12 \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \\ 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



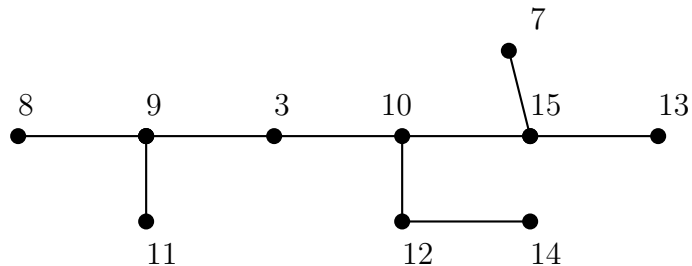
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



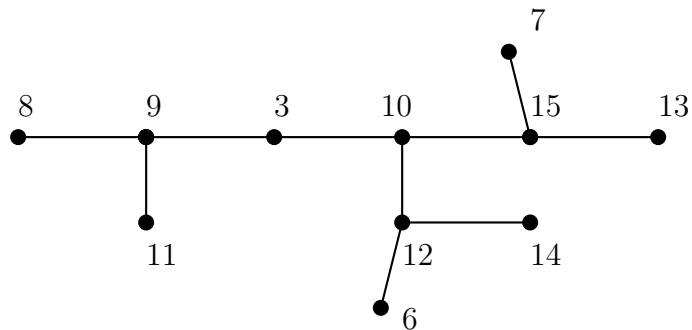
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



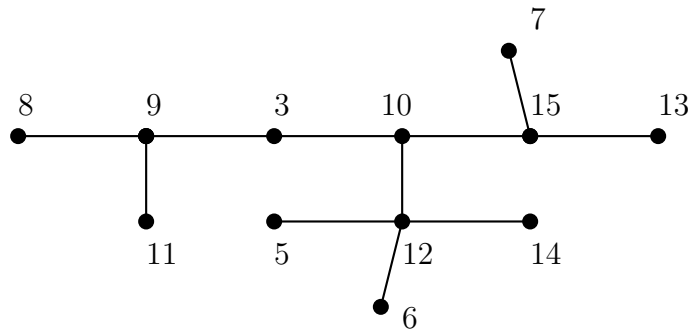
$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{cccccccccccccccc} 15 & 1 & 10 & 12 & 12 & 15 & 9 & 9 & 3 & 10 & 15 & 12 & 10 & 15 \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet & \bullet \\ 2 & 4 & 1 & 5 & 6 & 7 & 8 & 11 & 9 & 3 & 13 & 14 & 12 & 10 \end{array} \right\}$$

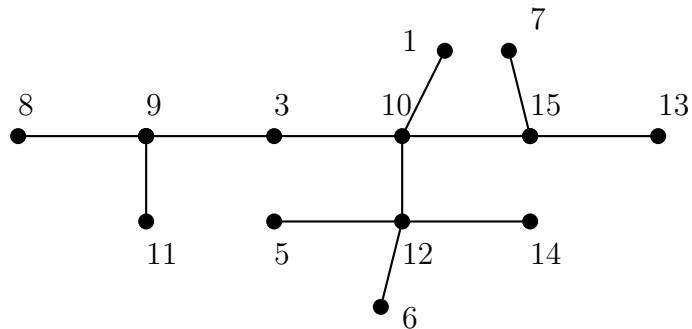
# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 1 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 3 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array}, \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} \right\}$$

2    4    1    5    6    7    8    11    9    3    13    14    12    10

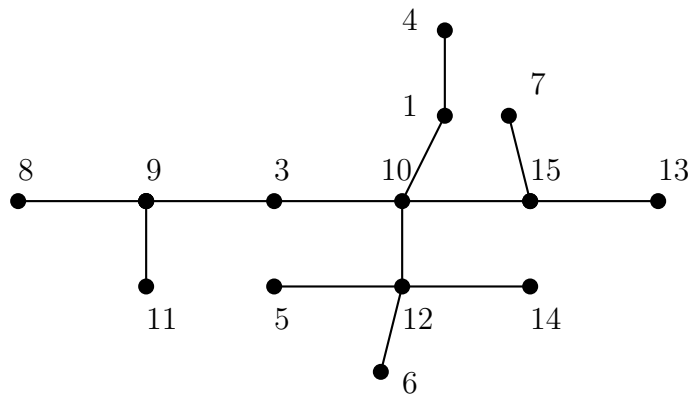
# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 1 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 9 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 3 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 12 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 10 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} \right\}$$

2    4    1    5    6    7    8    11    9    3    13    14    12    10

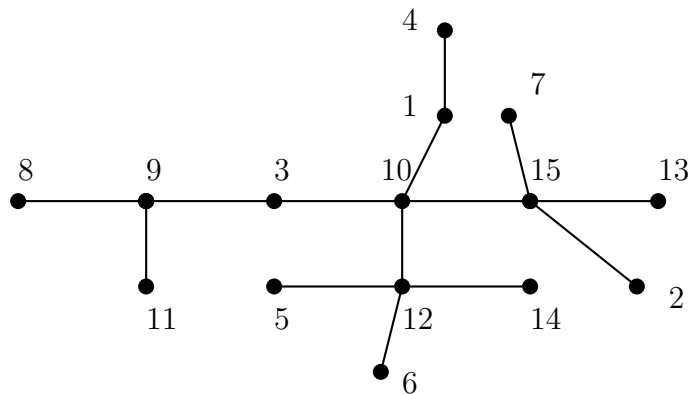
# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{c} 15 \\ \bullet \\ \bullet \end{array} , \begin{array}{c} 1 \\ \bullet \\ 4 \end{array} , \begin{array}{c} 10 \\ \bullet \\ 1 \end{array} , \begin{array}{c} 12 \\ \bullet \\ 5 \end{array} , \begin{array}{c} 12 \\ \bullet \\ 6 \end{array} , \begin{array}{c} 15 \\ \bullet \\ 7 \end{array} , \begin{array}{c} 9 \\ \bullet \\ 8 \end{array} , \begin{array}{c} 9 \\ \bullet \\ 11 \end{array} , \begin{array}{c} 3 \\ \bullet \\ 9 \end{array} , \begin{array}{c} 10 \\ \bullet \\ 3 \end{array} , \begin{array}{c} 15 \\ \bullet \\ 13 \end{array} , \begin{array}{c} 12 \\ \bullet \\ 14 \end{array} , \begin{array}{c} 10 \\ \bullet \\ 12 \end{array} , \begin{array}{c} 15 \\ \bullet \\ 10 \end{array} \right\}$$



# Reconstrucció d'un arbre a partir de la seqüència de Prüfer



$$A(T) := \left\{ \begin{array}{c} 15 \\ \vdots \\ 2 \end{array}, \begin{array}{c} 1 \\ \vdots \\ 4 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 1 \end{array}, \begin{array}{c} 12 \\ \vdots \\ 5 \end{array}, \begin{array}{c} 12 \\ \vdots \\ 6 \end{array}, \begin{array}{c} 15 \\ \vdots \\ 7 \end{array}, \begin{array}{c} 9 \\ \vdots \\ 8 \end{array}, \begin{array}{c} 9 \\ \vdots \\ 11 \end{array}, \begin{array}{c} 3 \\ \vdots \\ 9 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 3 \end{array}, \begin{array}{c} 15 \\ \vdots \\ 13 \end{array}, \begin{array}{c} 12 \\ \vdots \\ 14 \end{array}, \begin{array}{c} 10 \\ \vdots \\ 12 \end{array}, \begin{array}{c} 15 \\ \vdots \\ 10 \end{array} \right\}$$