Ejercicio 2, CPM Clase 09

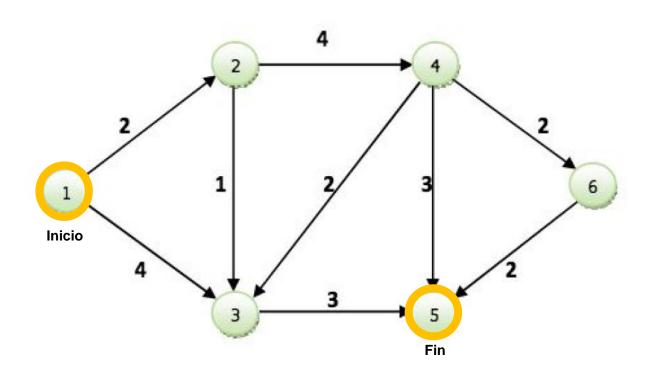
Investigación Operativa UTN FRBA 2022

Curso: I4051 (Palazzo)

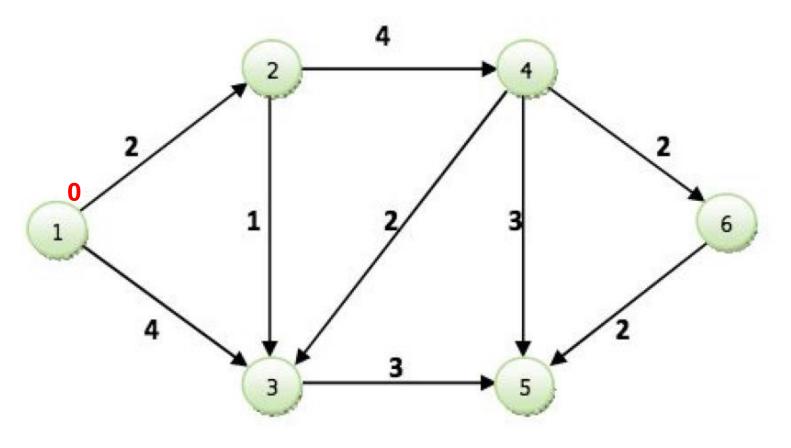
Docente: Rodrigo Maranzana

Ejercicio 2 Camino Crítico

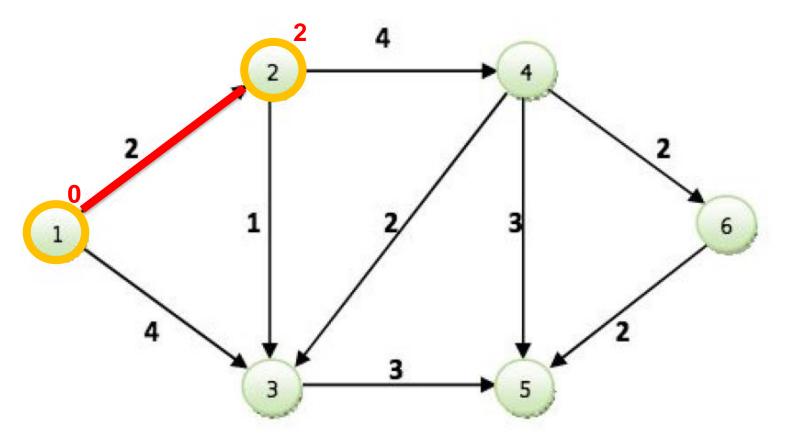
Dada la siguiente red de actividades y el tiempo asociado a cada una de ellas, determine la duración mínima del proyecto y el camino crítico del mismo, detallando las actividades que lo integran.



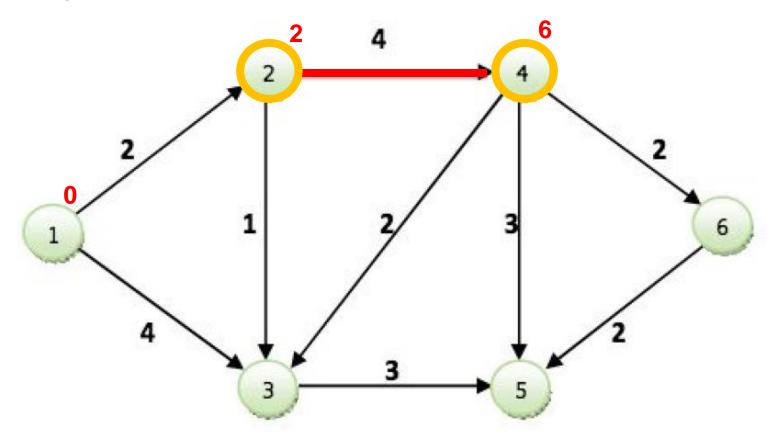
Fechas tempranas



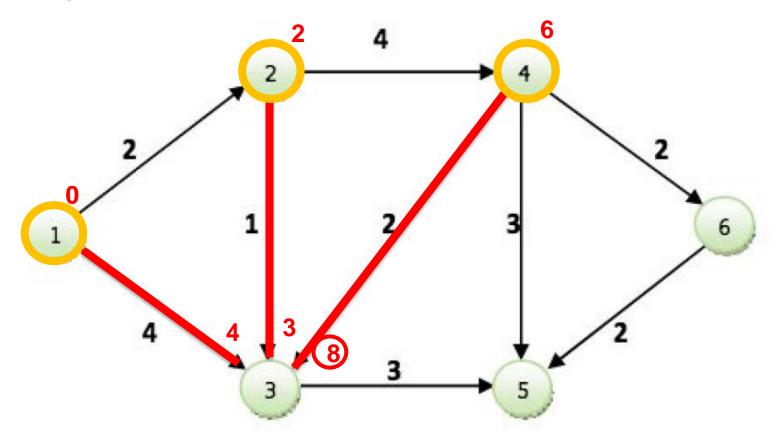
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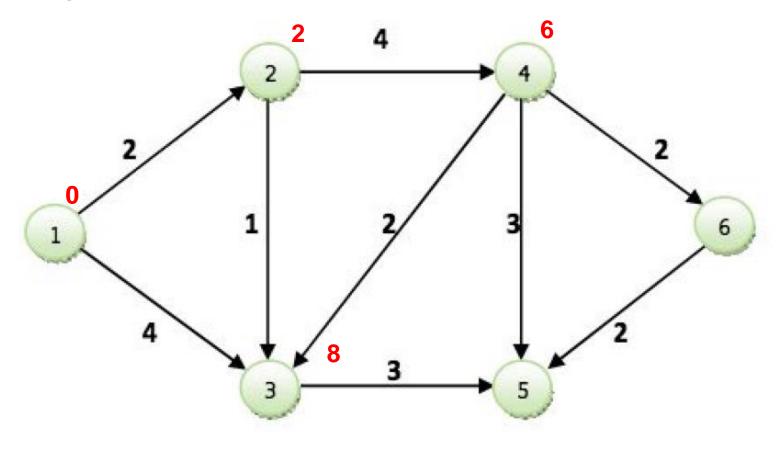
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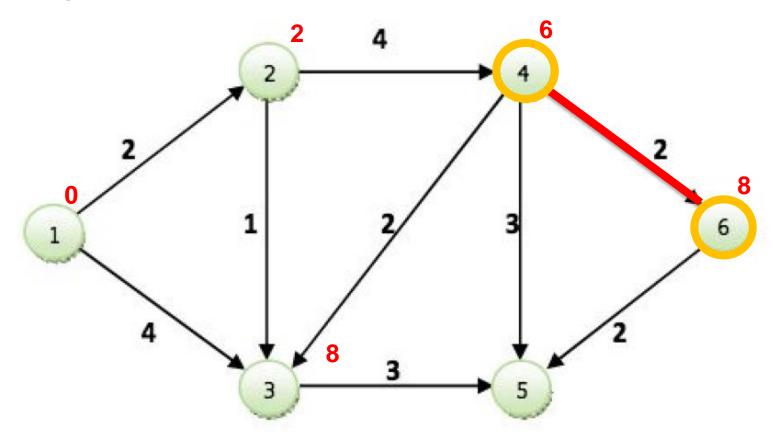
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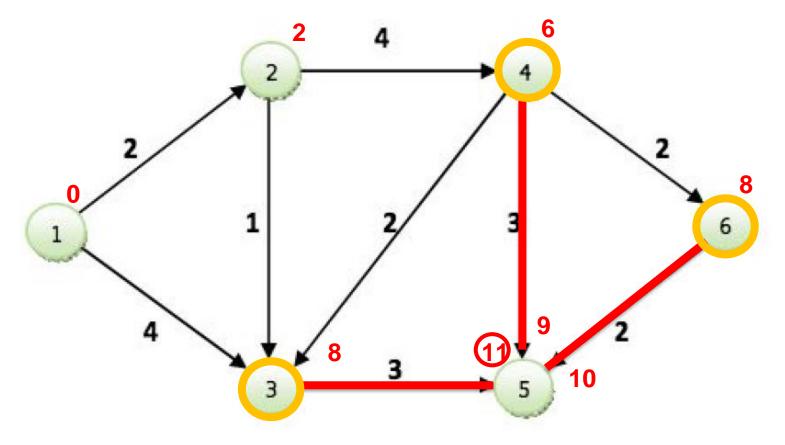
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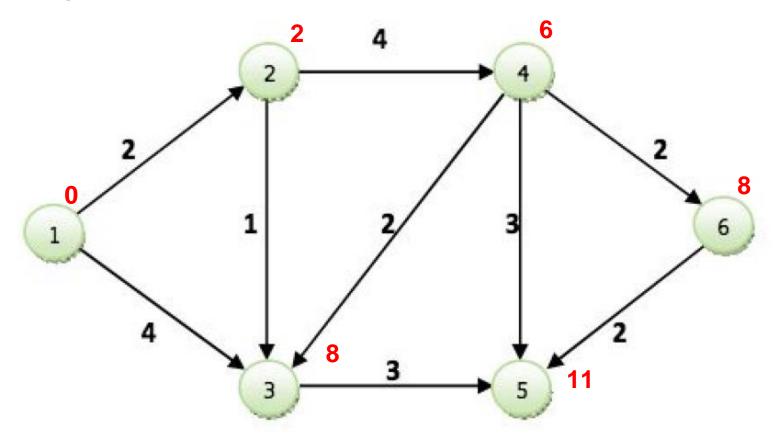
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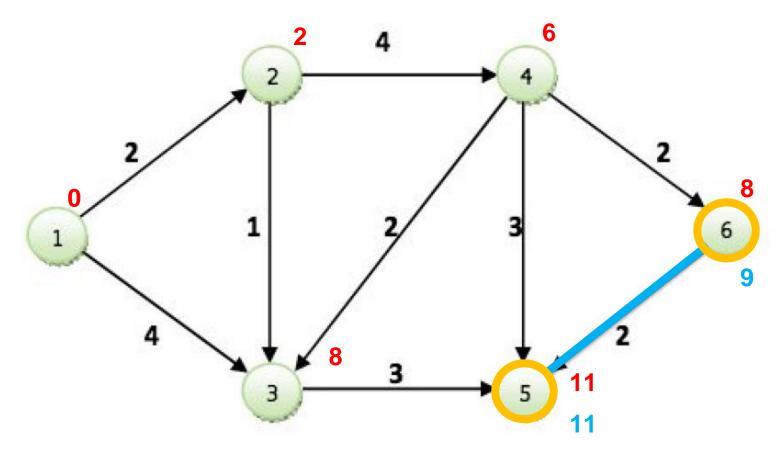
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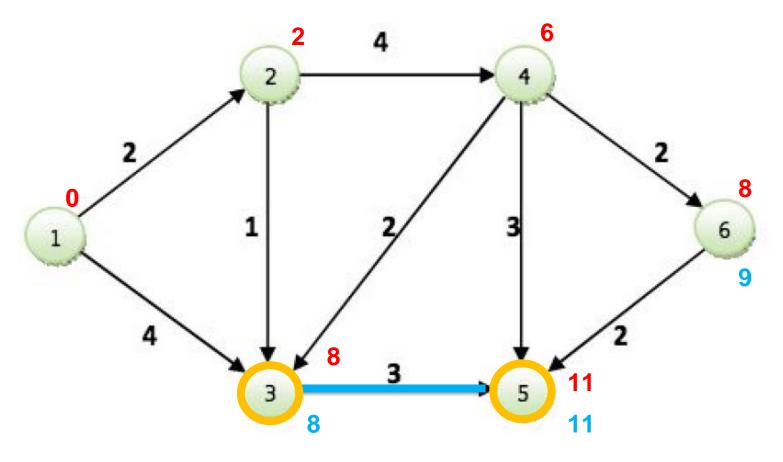
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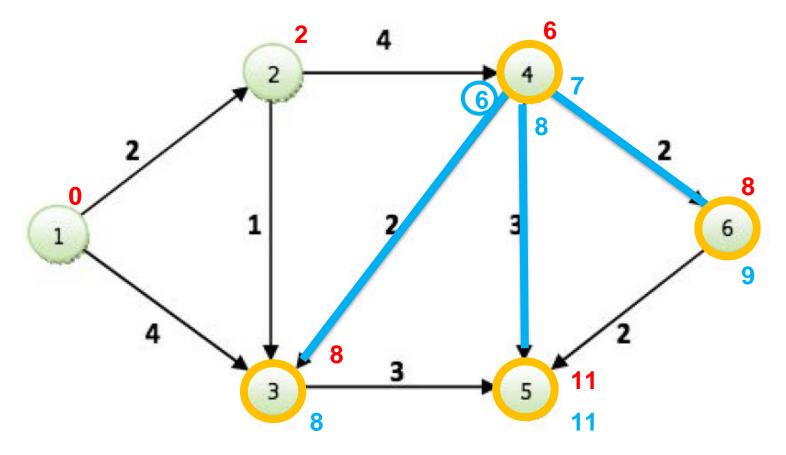
Fechas tardías



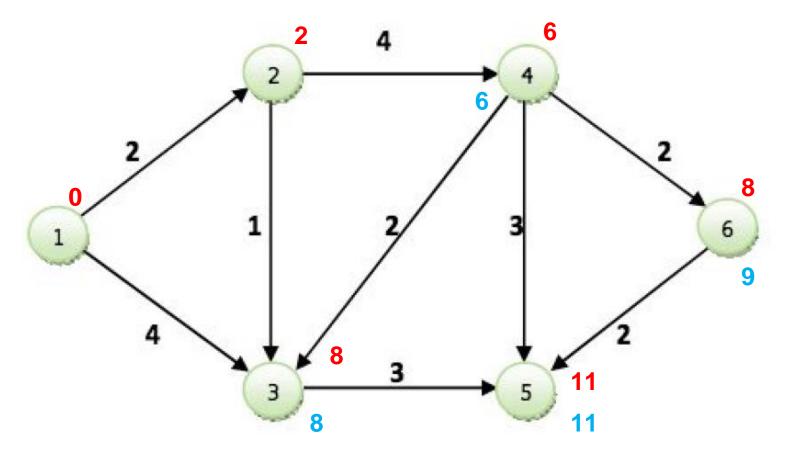
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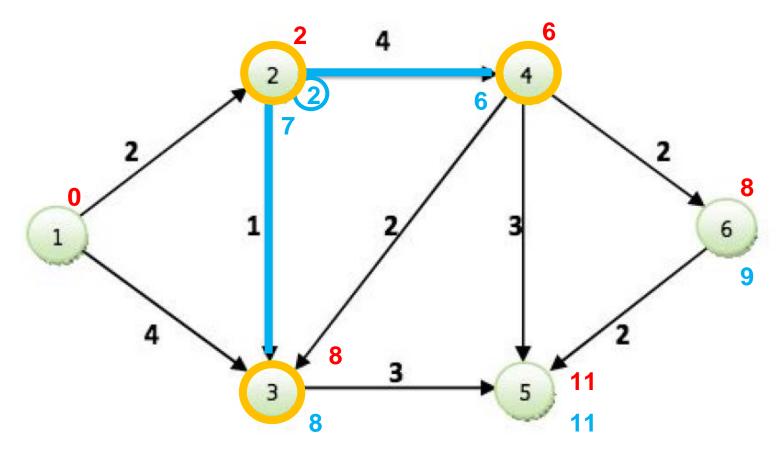
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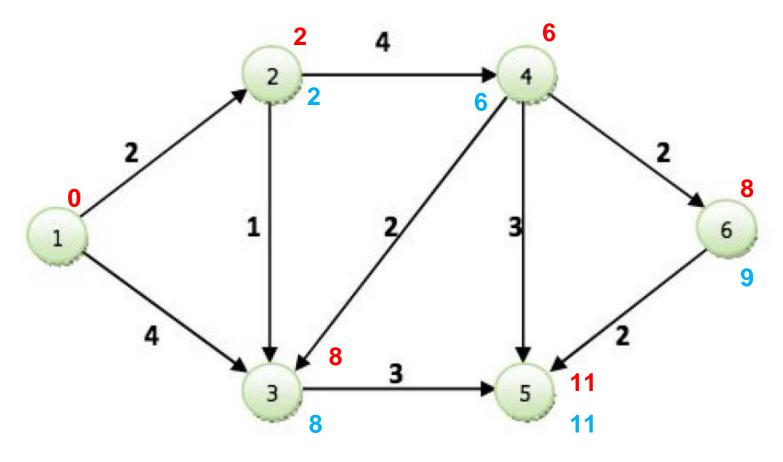
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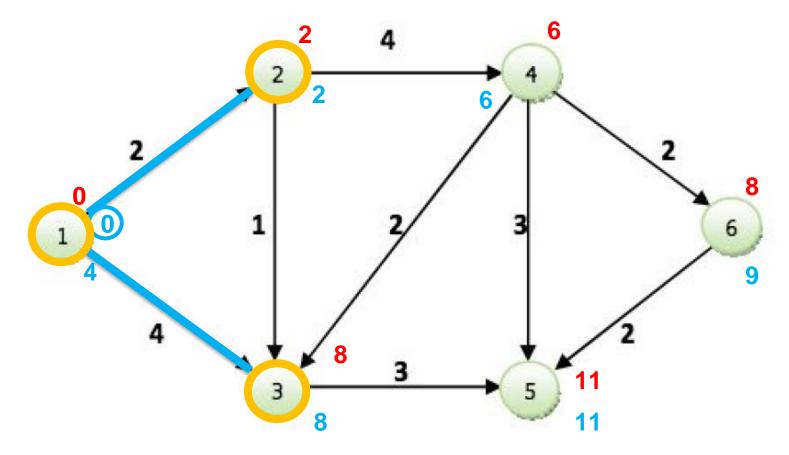
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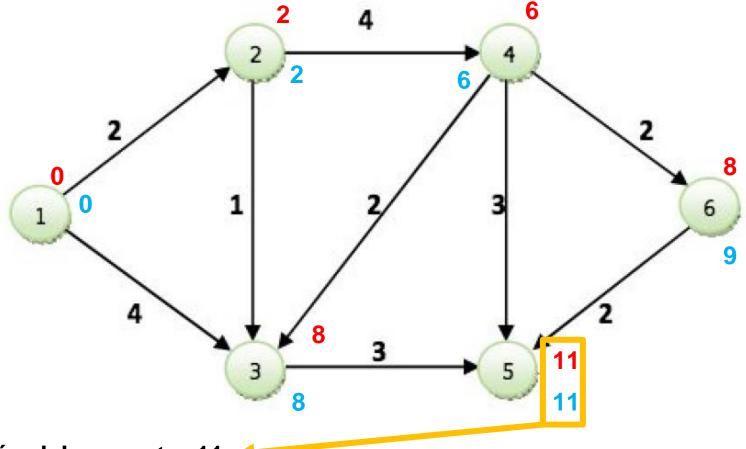
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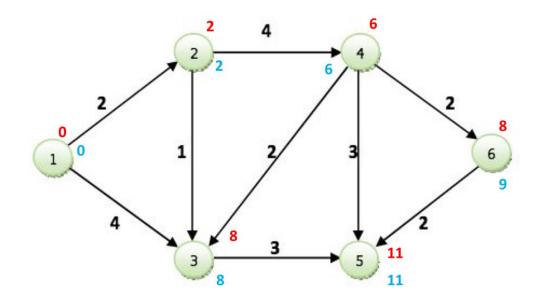
Fechas tardías



Fechas tempranas y tardías de la red:

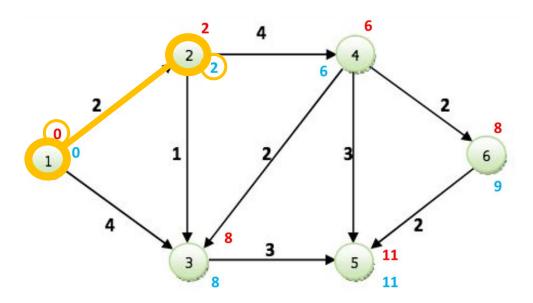


Duración del proyecto: 11



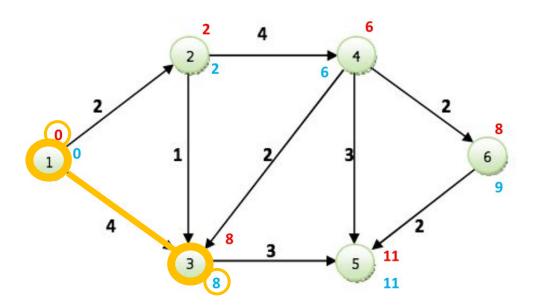
Tarea i-j FT_j Ft_i d_{ij} M_{ij}

Fechas tempranas



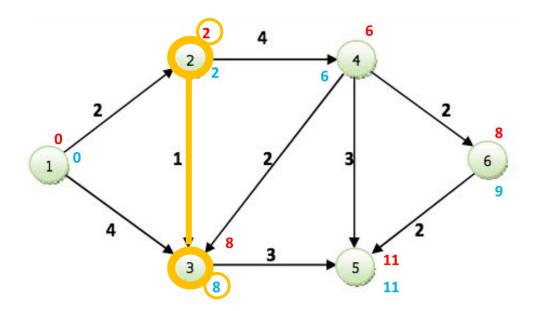
Tarea i-j	FT_j	Ft _i	d_{ij}	M_{ij}
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Fechas tempranas



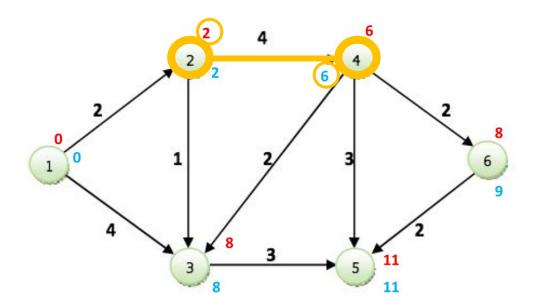
Tarea i-j	FT_j	Ft_i	d_{ij}	M _{ij}
1-2	2	0	2	0
1-3	8	0	4	4

Fechas tempranas



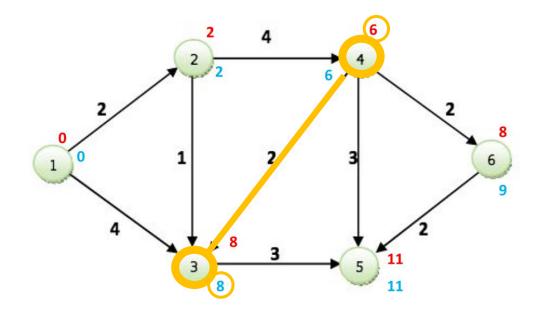
Tarea i-j	FT_j	Ft_i	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5

Fechas tempranas



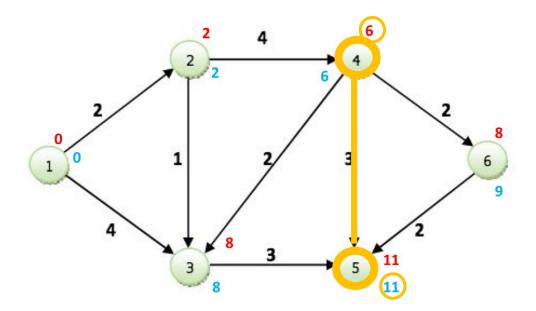
Tarea i-j	FT_j	Ft_i	d_{ij}	M _{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0

Fechas tempranas



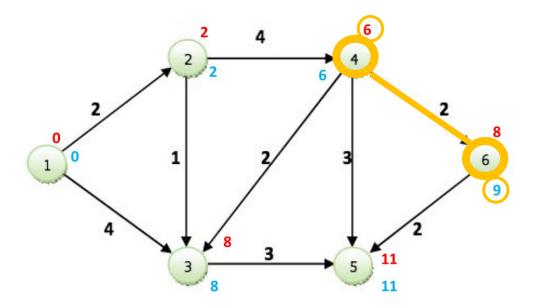
Tarea i-j	FT_j	Ft_i	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0

Fechas tempranas



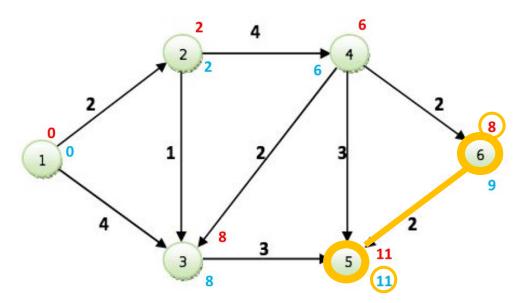
Tarea i-j	FT_j	Ft _i	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0
4-5	11	6	3	2

Fechas tempranas



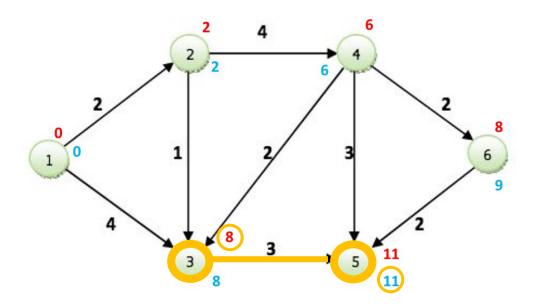
Tarea i-j	FT_j	Ft_i	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0
4-5	11	6	3	2
4-6	9	6	2	1

Fechas tempranas



Tarea i-j	FT_j	Ft_i	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0
4-5	11	6	3	2
4-6	9	6	2	1
6-5	11	8	2	1

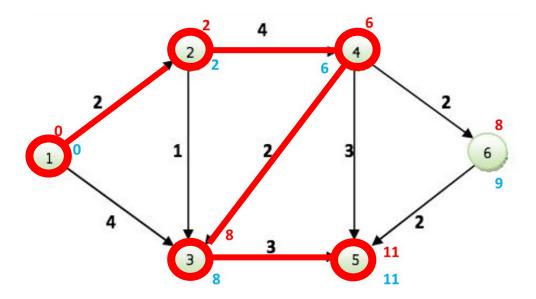
Fechas tempranas



Tarea i-j	FT_j	Ft_i	d_{ij}	M _{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0
4-5	11	6	3	2
4-6	9	6	2	1
6-5	11	8	2	1
3-5	11	8	3	0

Fechas tempranas

Tareas críticas:



Tarea i-j	FT_j	Fti	d_{ij}	M_{ij}
1-2	2	0	2	0
1-3	8	0	4	4
2-3	8	2	1	5
2-4	6	2	4	0
4-3	8	6	2	0
4-5	11	6	3	2
4-6	9	6	2	1
6-5	11	8	2	1
3-5	11	8	3	0

Fechas tempranas