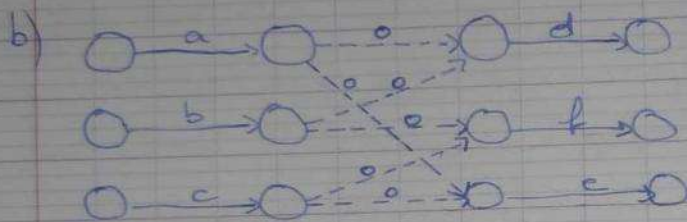
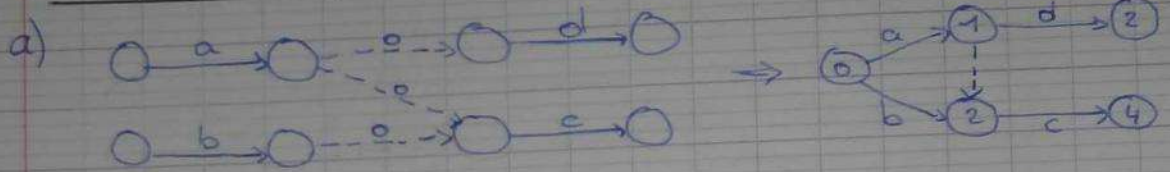


Exercice 1: PERT



Exercice 2

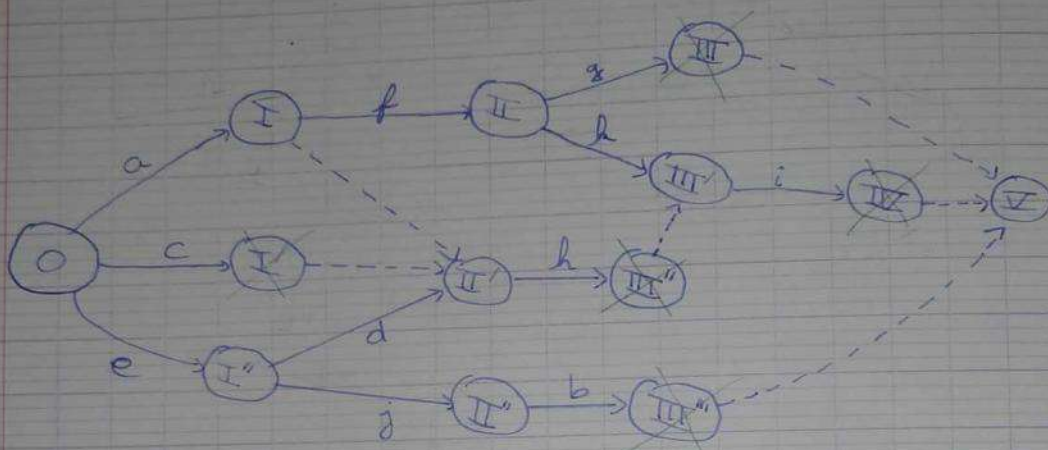
1)	x	P(x)	P'(P(x))	Rag
	a	-	-	0
	b	j	e	2
	c	-	-	0
	d	e	-	1
	e	-	-	0
	f	a	-	1
	g	f	a	2
	h	a c d	e	2
	i	a x d x f h	e a c d f	3
	j	e	-	1
	k	f	a	2



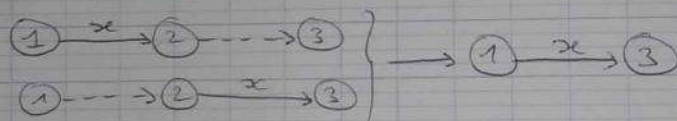
Durée
Simplificat°
Rang

a	b	c	d	e	f	g	h	i	j	k
14	6	12	4	8	2	9	6	8	11	2
-	f	-	e	-	a	f	a	h	e	f
0	2	0	1	0	1	2	2	3	1	2

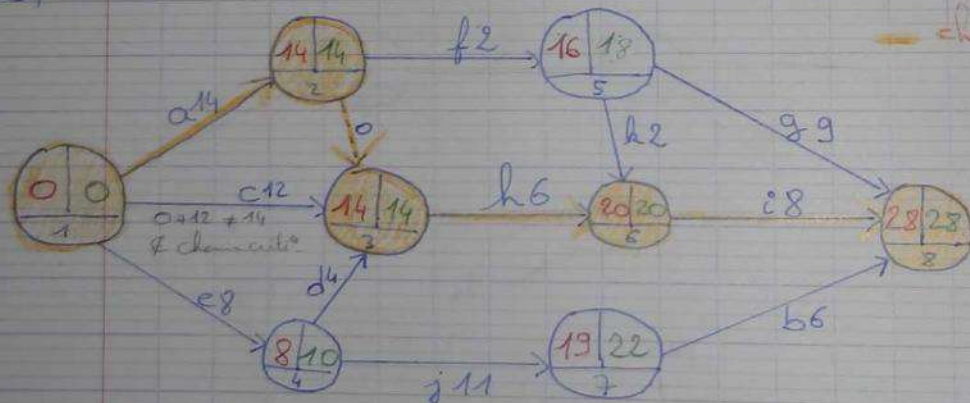
Rappel



Règle de simplification:



2)



Durée projet: 28j

Tâches critiques: a h i

3)

Calendrier des tâches:



$$T_x = t_i$$

$$T_x^* = t_j^* - d_x$$

$$M_x = T_x^* - T_x$$

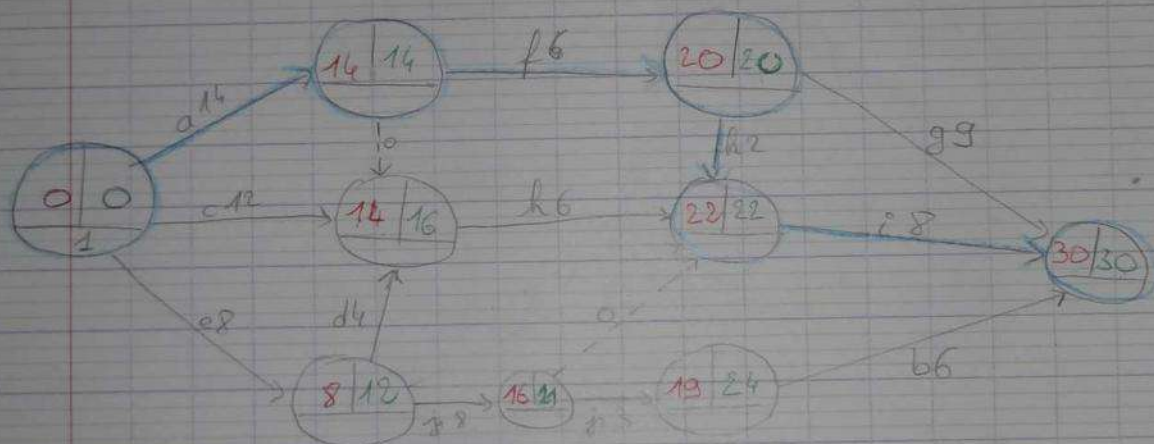
$$m_x = t_j - t_i - d_x$$

$$p_x = t_j - t_i^* - d_x$$

	a	b	c	d	e	f	g	h	i	j	k
T_{ex}	0	19	0	8	0	14	16	14	20	8	16
T_{ex}^*	0	22	2	10	2	16	19	14	20	11	18
M_{ex}	0	3	2	2	2	2	3	0	0	3	2
m_{ex}	0	3	2	2	0	0	3	0	0	0	2
μ_{ex}	0	0	2	0	0	0	1	0	0	0	0

⇒ Modification des contraintes

- i ne peut être que 8j après j-
- f dure 6j-



	a	b	c	d	e	f	g	h	i	j1	j2	k
T_{ex}	0	19	0	8	0	14	20	14	22	8	16	20
T_{ex}^*	0	24	2	10	0	14	21	16	22	8	16	20
M_{ex}	0	5	2	2	0	0	1	2	0	0	0	0
m_{ex}	0	0	0	0	0	0	0	0	0	0	0	0
μ_{ex}	0	0	0	0	0	0	0	0	0	0	0	0

$M_{ex} = T_{ex}^* - T_{ex}$
 $\mu_{ex} = \mu_{ex} - \mu_{ex}$