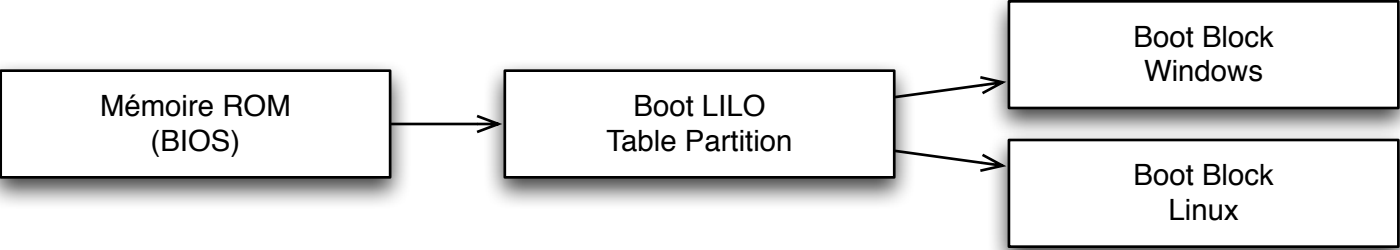


Mémoire ROM
(BIOS)

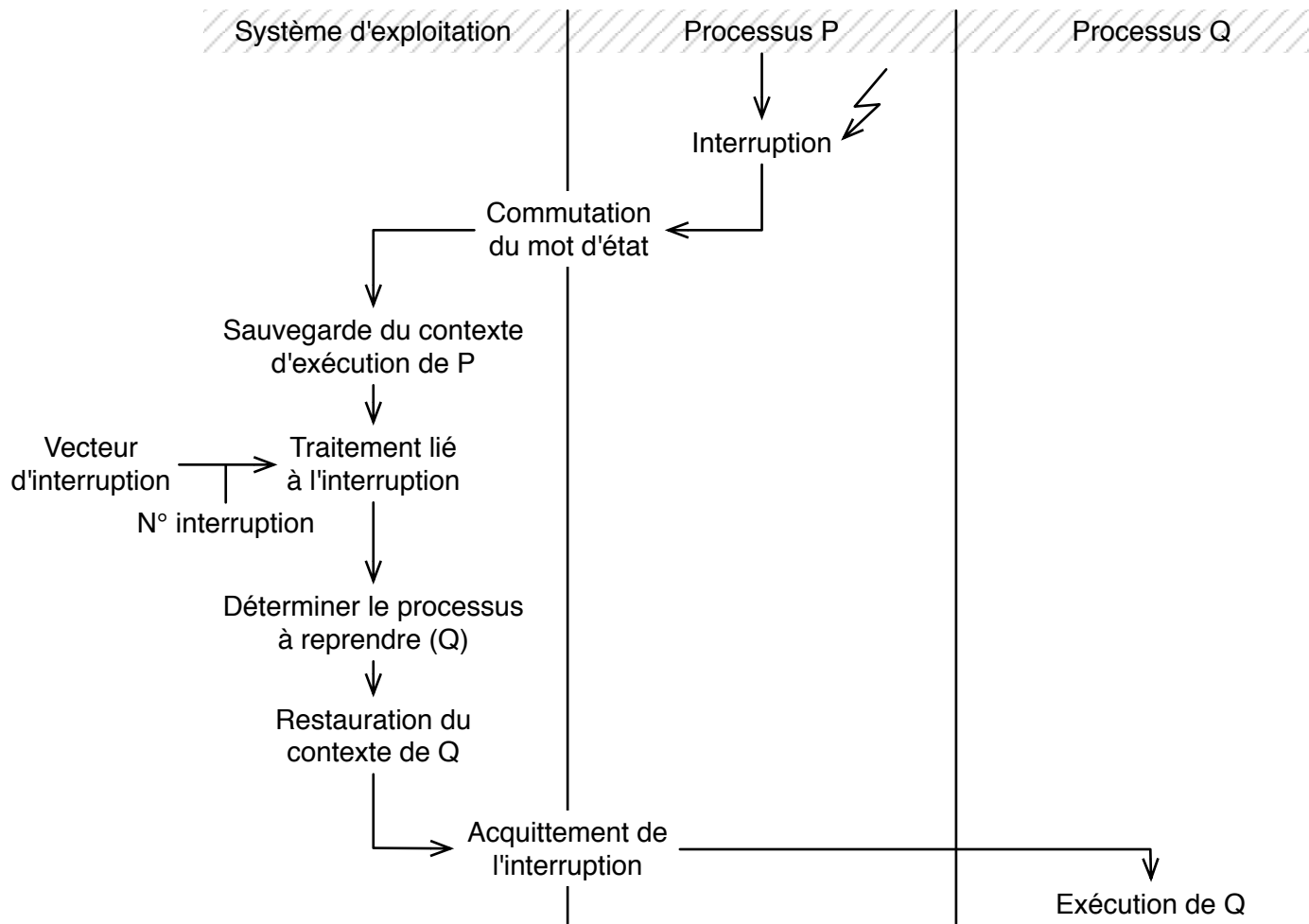


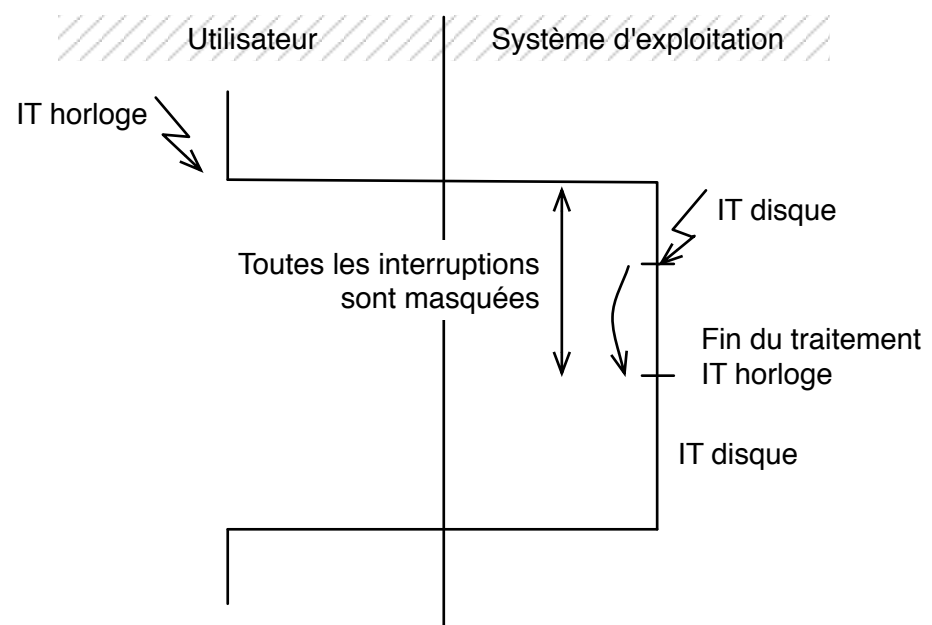
MBR
(Master Boot Record)

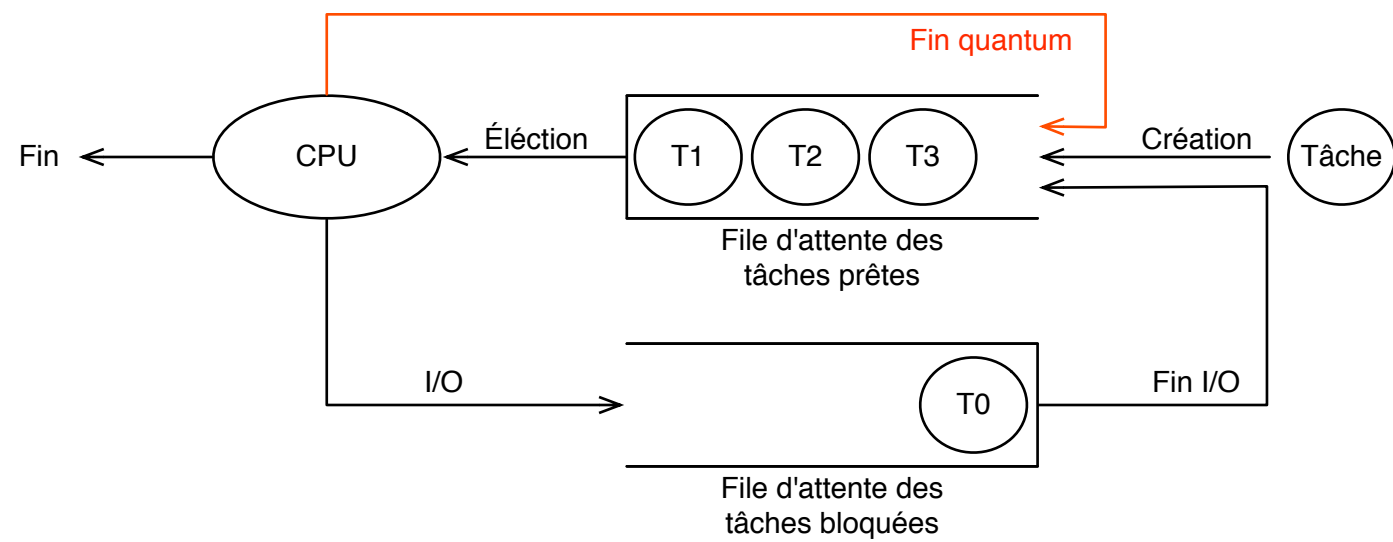


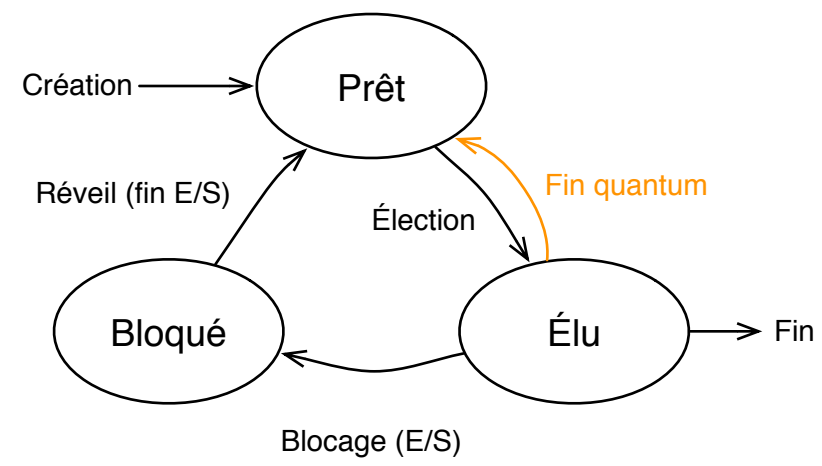


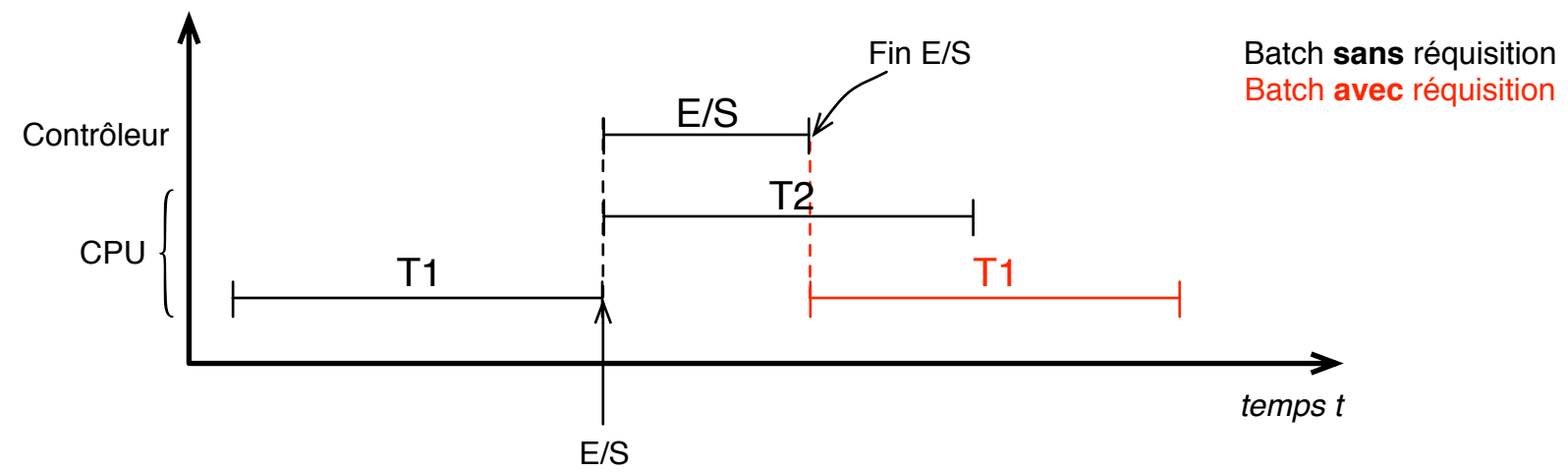
— adresse de la fonction de traitement
d'interruption horloge

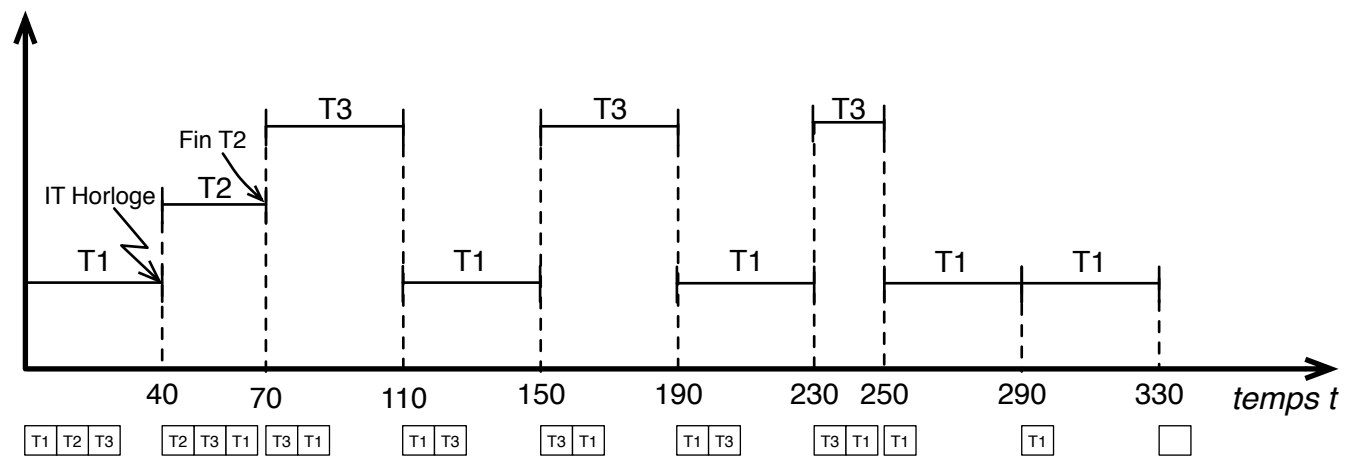


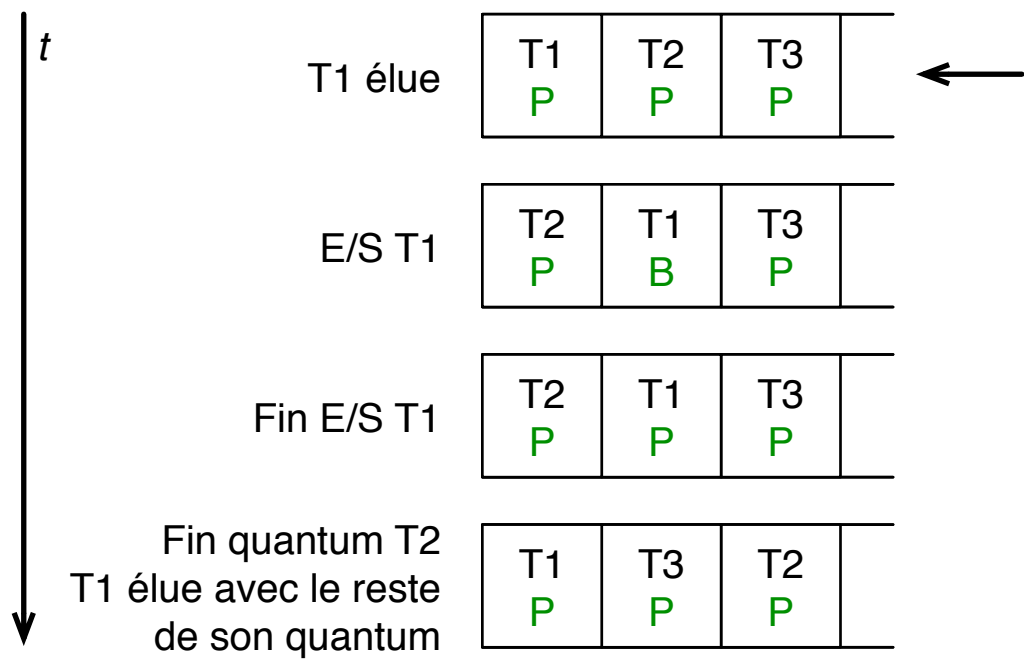


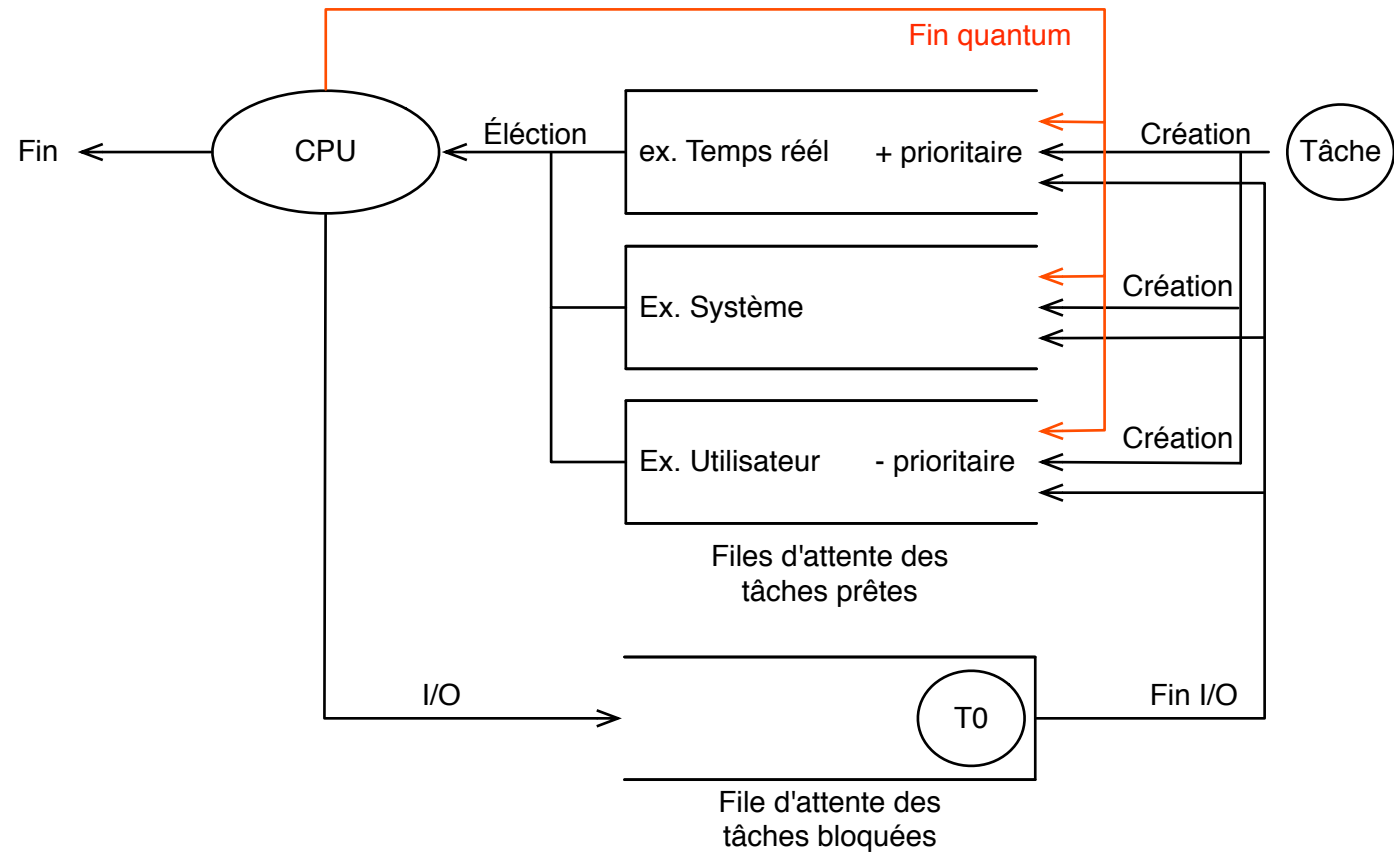


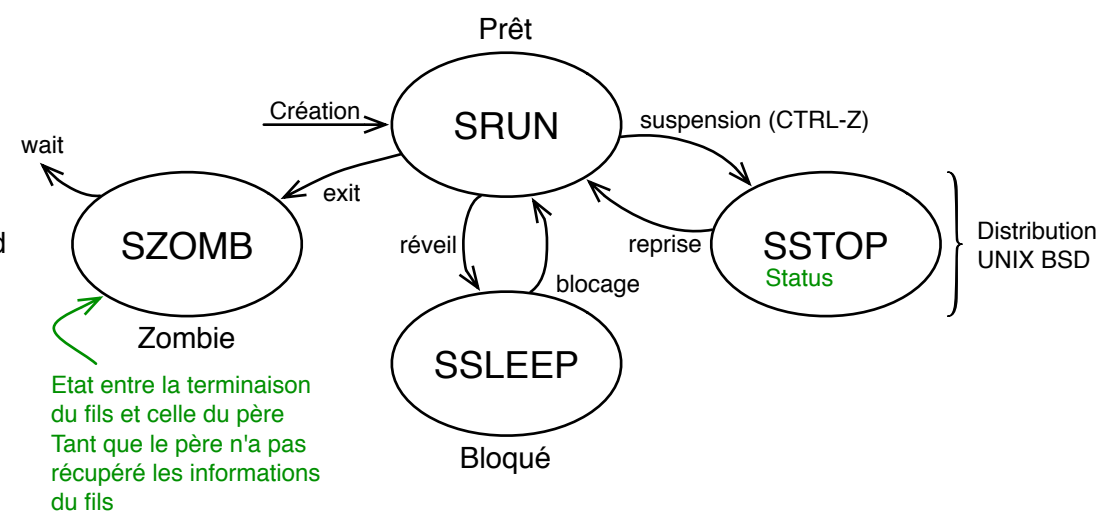
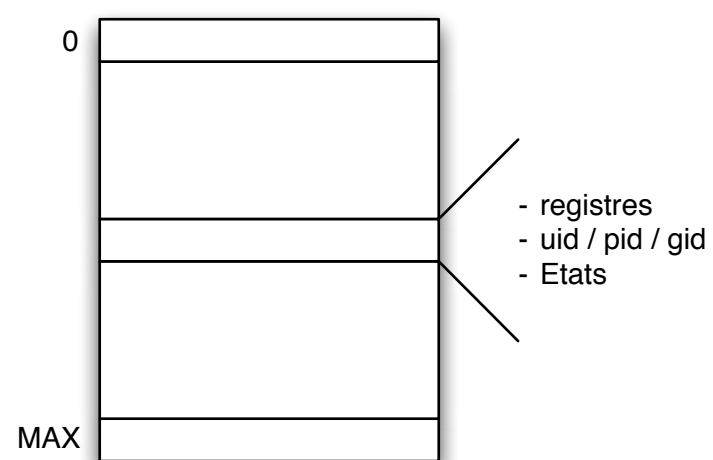


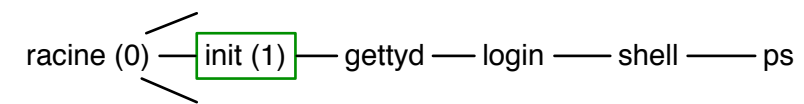
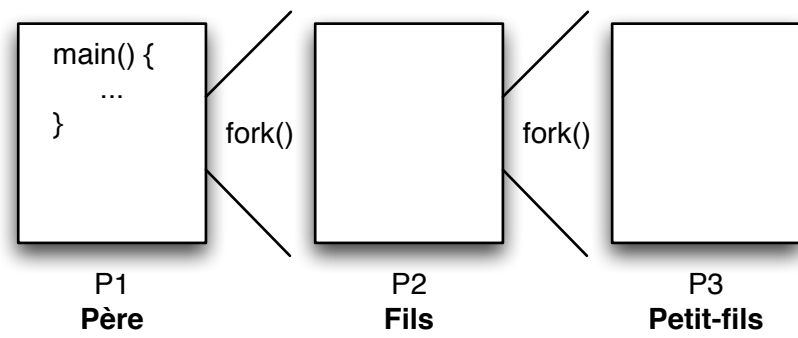












`int execv(const char * executable, char * argv[]);`
 -1 : erreur
 vector
 argv[0] argv[1] ... argv[n]
 "exec" "arg1" ... NULL
 Chemin de l'exécutable
 (eg. "/bin/ls")
 nom de l'exécutable

`int execl(const char * executable, char * arg0, char * arg1, ..., NULL);`
 -1 : erreur
 list
 Chemin de l'exécutable
 (eg. "/bin/ls")
 Arguments de la commande

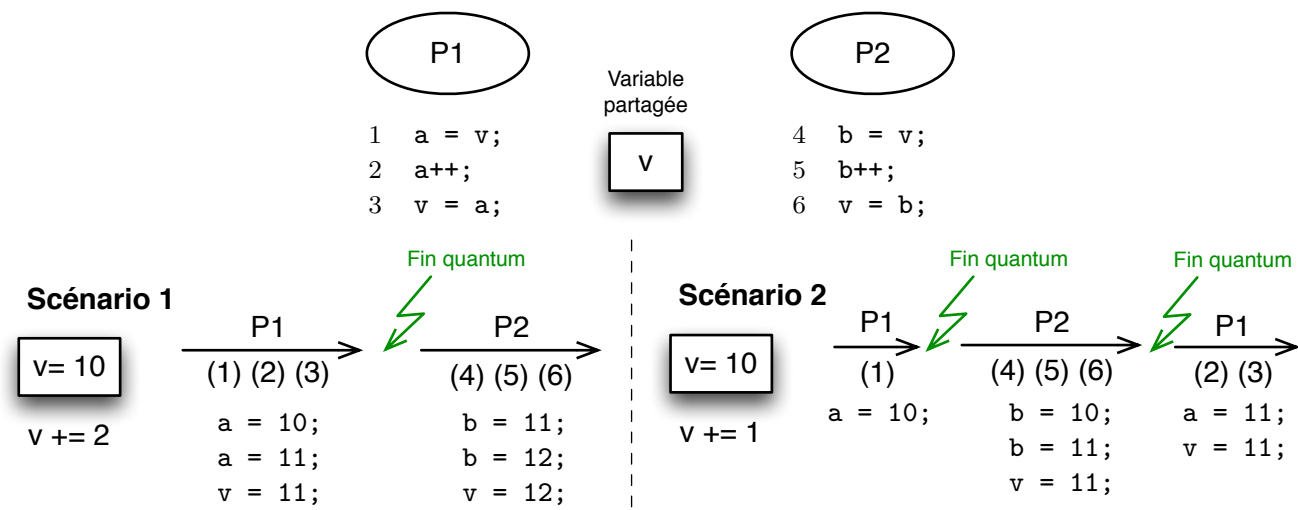
`int execlp(const char * executable, char * arg0, char * arg1, ..., NULL);`
 list
 PATH
 nom de l'exécutable
 (recherche dans PATH)
 Arguments de la commande

`int execvp(const char * executable, char * argv[]);`
 vector
 PATH
 argv[0] argv[1] ... argv[n]
 "exec" "arg1" ... NULL
 nom de l'exécutable
 (recherche dans PATH)

`pid_t wait(int * status);`
 pid du fils terminé
 Etat du fils (passage du
 paramètre par référence)

`pid_t wait3(int * status, int options, struct rusage * r);`
 pid du fils terminé
 options du wait
 Etat du fils (passage du
 paramètre par référence)
 Utilisation des ressources
 du processus fils

`pid_t waitpid(pid_t p, int * status, int options);`
 pid du fils terminé
 options du wait
 (idem wait3)
 pid du fils attendu (0 :
 n'importe quel fils)
 Etat du fils (passage du
 paramètre par référence)

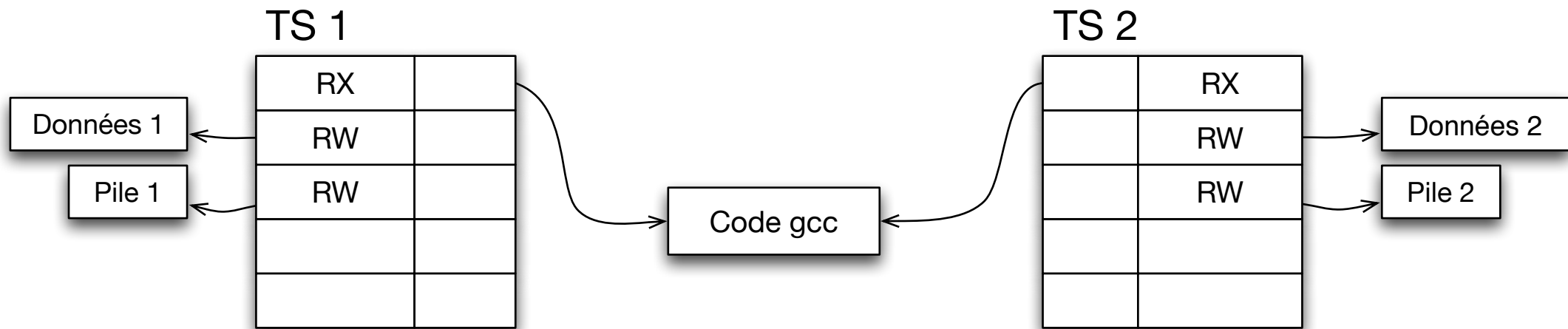


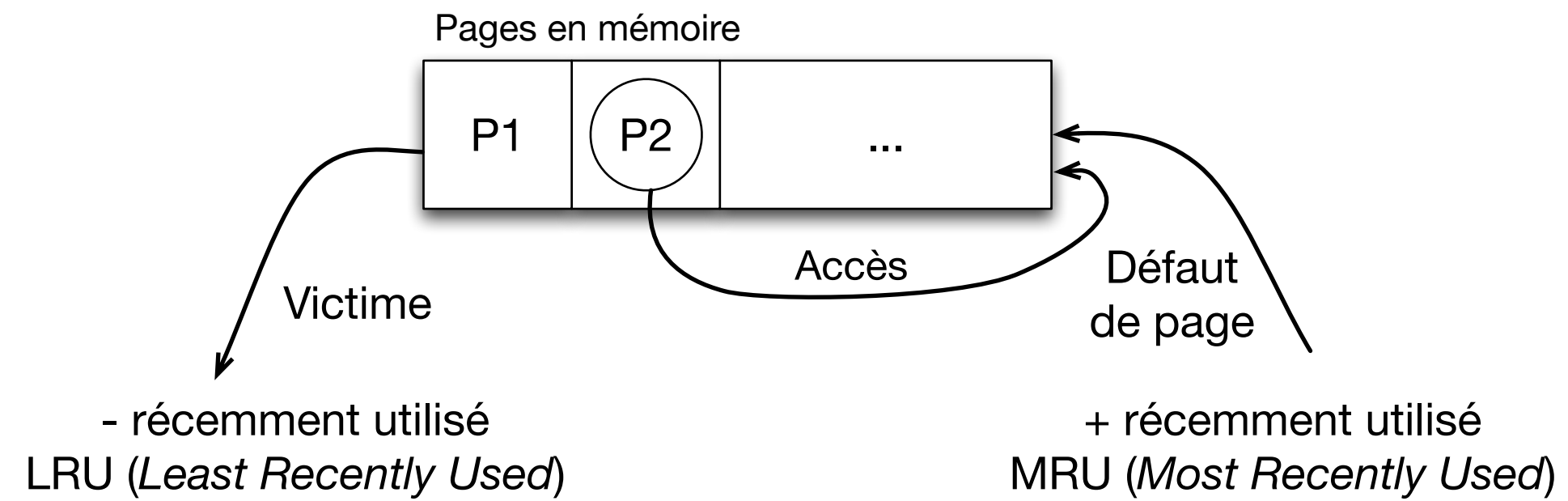
```
    bool flag[2] = {false, false};
    int tour;

    EnterSC()
Attente active {flag[i] = true;
                tour = j;
                while(flag[j] == true && tour == j);

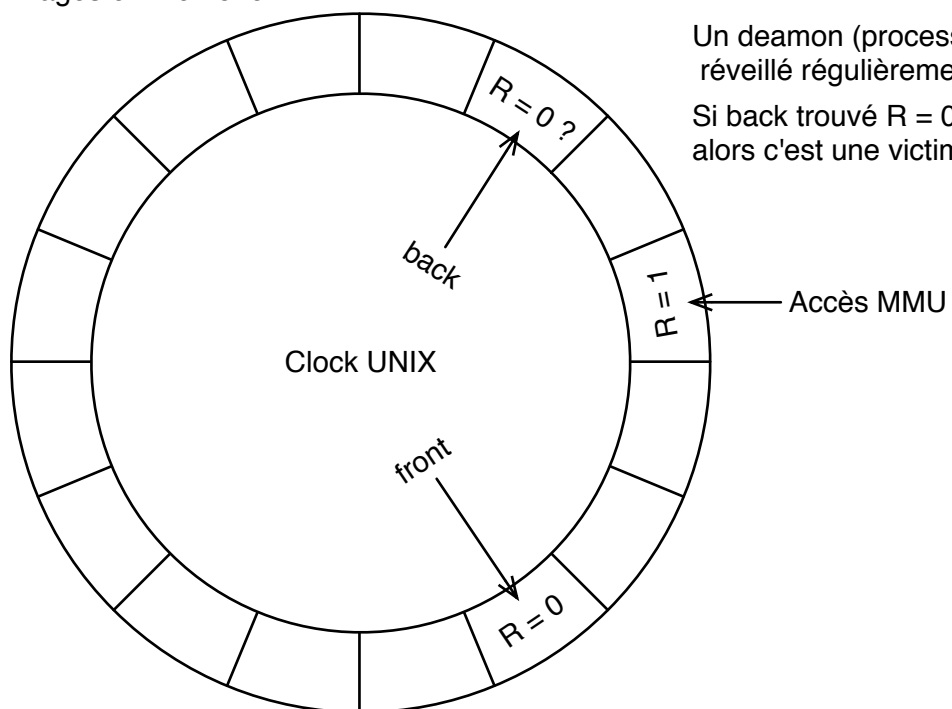
                /* Section Critique */

SortirSC() {flag[i] = false;
```





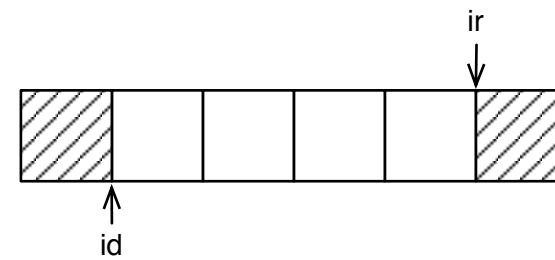
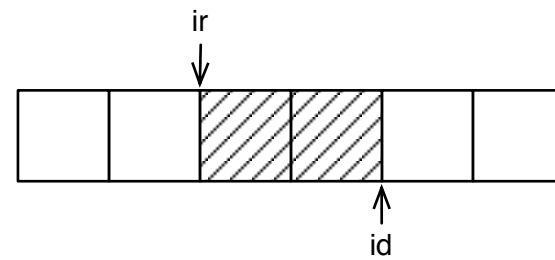
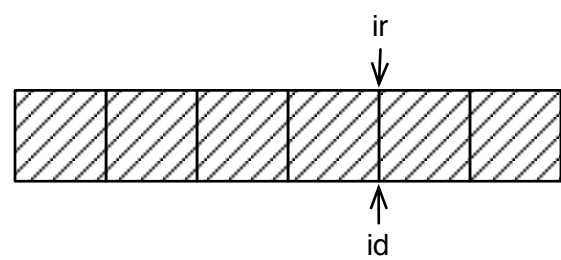
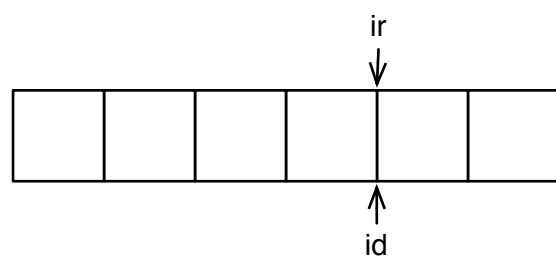
Pages en mémoire



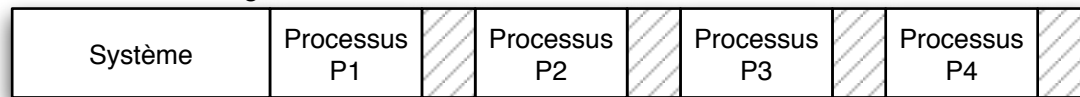
Un daemon (processus en mode superviseur)
réveillé régulièrement

Si back trouvé $R = 0$,
alors c'est une victime potentielle

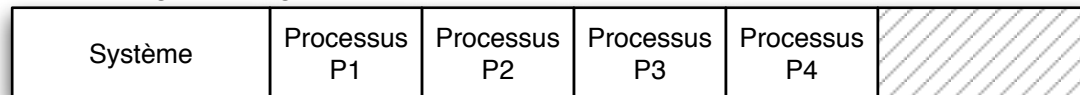
← Accès MMU

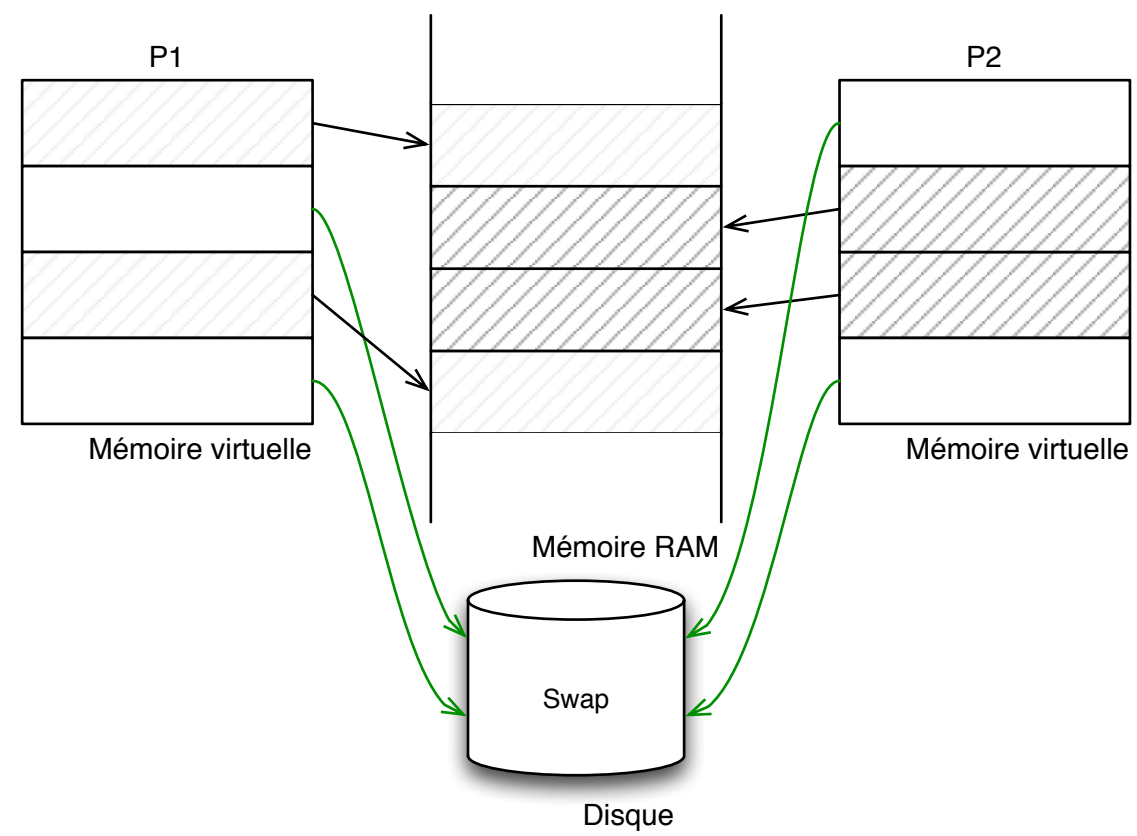


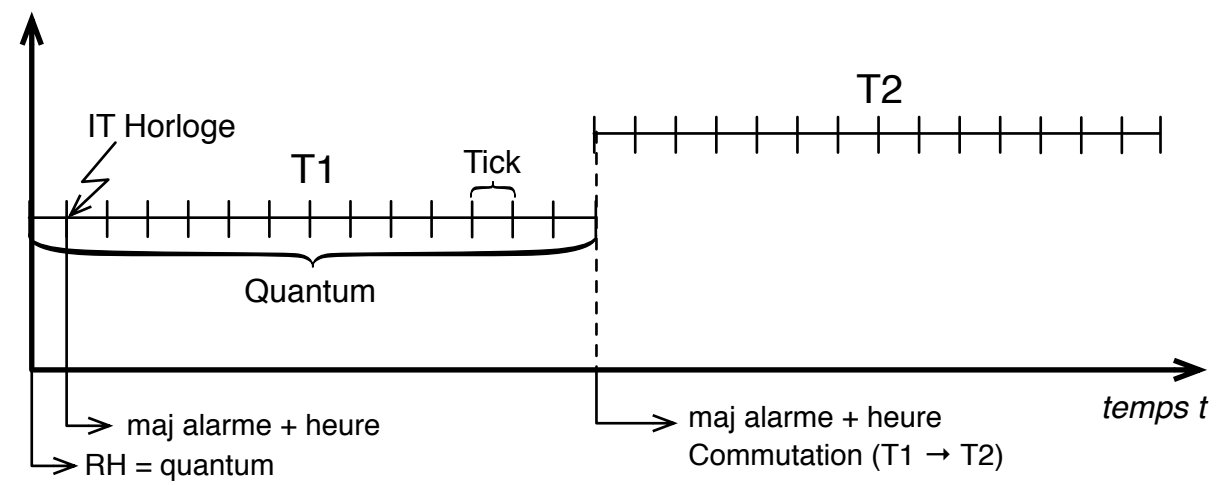
Emiettement / fragmentation interne



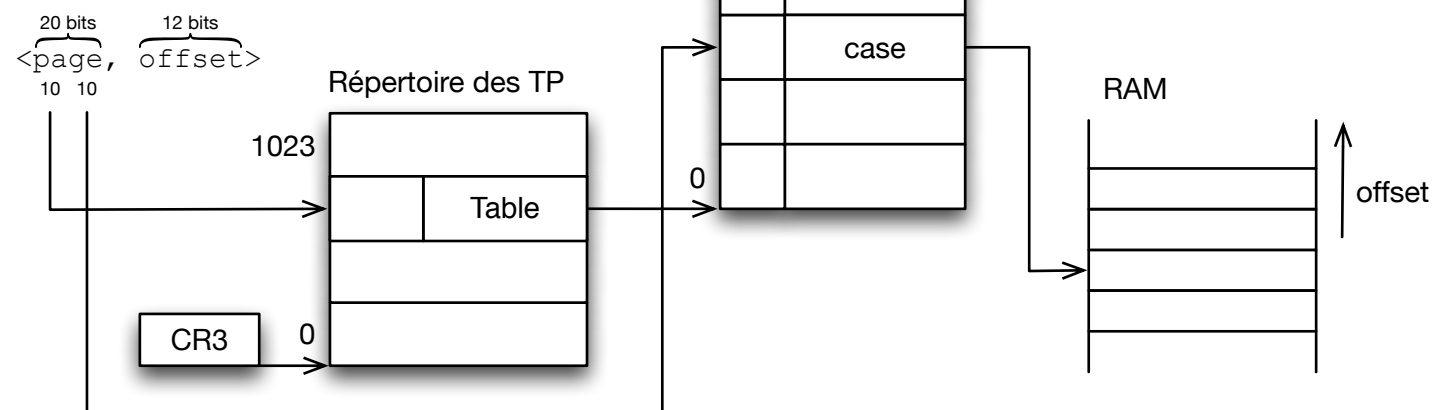
Compactage / défragmentation





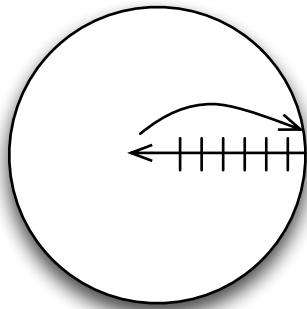


Pages de 2 niveaux



Variante : **C-Look** (*Circular Look*)

Dessus



déplacement
de la tête de
lecture

Look (balayage)

