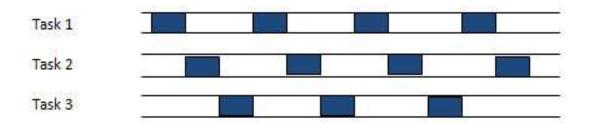
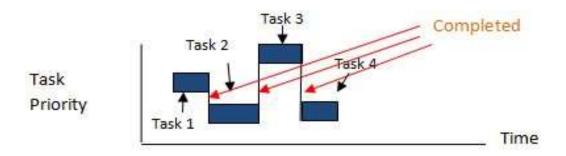
Exemples de Taches (TASK)

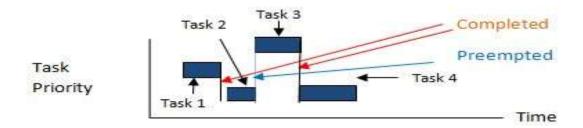
Les tâches (TASK) sont gérées de la manière suivante :



** Non préemptif (pas utilisé dans les systèmes embarqués)

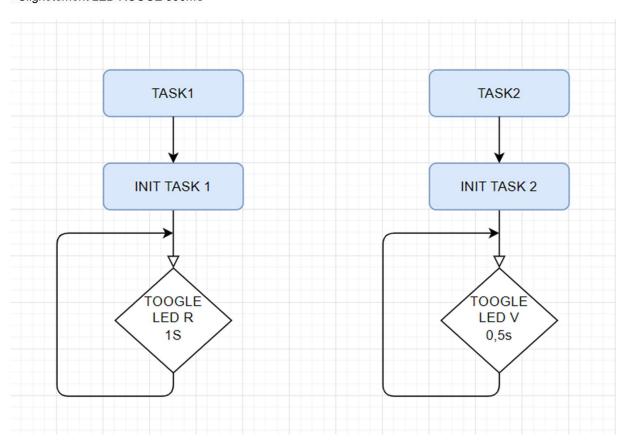


** Préemptif : Les tâches sont interrompues par celles de priorité supérieure



Exercice:

- Clignotement LED VERTE 1S
- Clignotement LED ROUGE 500mS



```
/********************
 * Copyright (c) 2015, Texas Instruments Incorporated
 * All rights reserved.
  ====== main.c ======
 #include <stdint.h>
#include <stdbool.h>
#include <string.h>
/* XDCtools Header files */
#include <xdc/std.h>
#include <xdc/runtime/System.h>
#include <xdc/cfg/global.h>
/* BIOS Header files */
#include <ti/sysbios/BIOS.h>
#include <ti/sysbios/knl/Task.h>
/* TI-RTOS Header files */
#include <driverlib.h>
/* Board Header file */
#include "main.h"
//***********************************
// Prototype <u>de</u> <u>fonction</u>
         void Init_GPIO(void);
void Blink_GREEN(UArg arg0, UArg arg1);
void Blink_RED(UArg arg0, UArg arg1);
//*********************
   ====== main ======
//************************************
int main(void)
   WDT_A_hold(WDT A BASE); //Stop WDT
   PM5CTL0 &= ~LOCKLPM5;
   Init_GPIO();
   /* Start BIOS */
   BIOS_start();
   return (0);
}
//**********************************
// <u>Init</u> GPIO
               ************
void Init_GPIO(void)
   //PORT1
   GPIO_setAsOutputPin(GPIO PORT P1, LED ROUGE);
   GPIO_setOutputLowOnPin(GPIO_PORT_P1, LED_ROUGE);
   GPIO_setAsInputPin(GPIO_PORT_P1,BOUTON1 + BOUTON2);
   GPIO_setAsInputPinWithPullUpResistor(GPIO_PORT_P1,BOUTON1 + BOUTON2);
   GPIO_setAsOutputPin(GPIO_PORT_P9, LED_VERTE);
   GPIO_setOutputLowOnPin(GPIO_PORT_P9, LED_VERTE);
}
```

** Fichier de Config.CFG

\$\langle \phi \longle \phi \rightarrow 0 ► TI-RTOS ► Products ► SYSBIOS ► Scheduling ► Task - Instance Settings type filter text BIOS
Boot
Clock
Config (ti.mw)
Config (ti.drivers)
Defaults
Error
Hui (ti.graphics fam ▼ Tasks h_Blink_GREEN h_Blink_RED andle h_Blink_GREEN Add ... Function Blink_GREEN Priority 1 Firor
Hwi (ti.sysbios.family.msp430)
Hwi (ti.sysbios.hal)
Idle
Memory
Power
Program
Semaphore
Swi
SysCallback
System
Issk system exit until this thread exits Task is vital **▼ Stack Control** 512 Stack memory section | .bss:taskStackSection Stack pointer null Stack heap h_Blink_GREEN
 h_Blink_RED **▼** Thread Context Argument 0 Environment pointer null