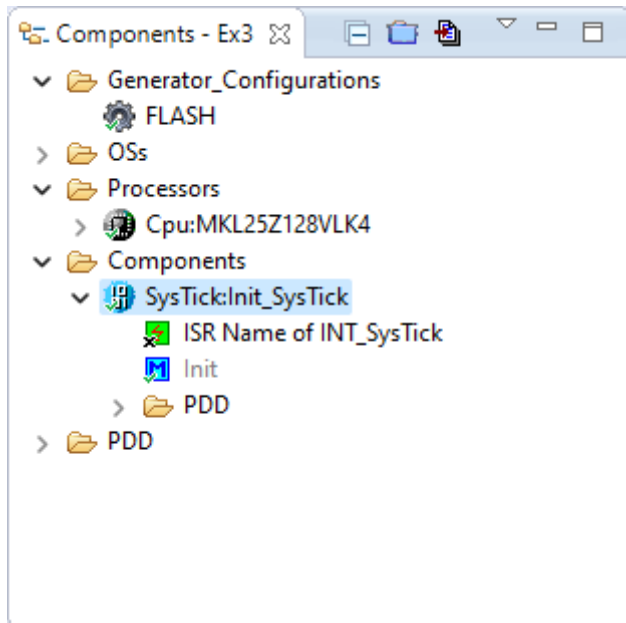


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Usando o “Component” SysTick:



Usando o seguinte código no CodeWarrior, para calcular o tempo que demora para executar a operação:

```
int main(void)
/*lint -restore Enable MISRA rule (6.3) checking. */
{
    /* Write your local variable definition here */

    /*** Processor Expert internal initialization. DON'T REMOVE THIS CODE!!! ***/
    PE_low_level_init();
    /*** End of Processor Expert internal initialization. ***/

    /* Write your code here */
    /* For example: for(;;) { } */
    int tic, tac, delta;
    int a, b, c;

    a = 2; b = 2;
    tic = SysTick_PDD_ReadCurrentValueReg(SysTick_DEVICE);
    c = a + b;
    tac = SysTick_PDD_ReadCurrentValueReg(SysTick_DEVICE);

    delta = tic - tac;

    /*** Don't write any code pass this line, or it will be deleted during code generation. ***/
    /*** RTOS startup code. Macro PEX_RTOS_START is defined by the RTOS component. DON'T MODIFY THIS CODE!!! ***/
    #ifdef PEX_RTOS_START
    PEX_RTOS_START(); /* Startup of the selected RTOS. Macro is defined by the RTOS component. */
    #endif
    /*** End of RTOS startup code. ***/
    /*** Processor Expert end of main routine. DON'T MODIFY THIS CODE!!! ***/
    for(;;){}
    /*** Processor Expert end of main routine. DON'T WRITE CODE BELOW!!! ***/
} /*** End of main routine. DO NOT MODIFY THIS TEXT!!! ***/

/* END main */
/**
**
**
**
**
** This file was created by Processor Expert 10.3 [05.09]
** for the Freescale Kinetis series of microcontrollers.
**
**
**
**
**
*/
```

Obtemos o seguinte resultado das variáveis:

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