```
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; TestIt
; Version 1.0
; Date: 10/24/2014
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TestIt: Simulation

Called from BlinkIt:
        bst r16,0
        rcall TestIt
    ret

    TestIt:
        mov r16,spiLEDS
        sbr r16,0b10000000
        brts done
        cbr r16,0b10000000
    done:
        mov spiLEDS,r16
        rcall WriteDisplay
    ret
```


Figure 1: T is set from BlinkIt.

```
    BlinkIt:
        lds r16,blink
        com r16
        sts blink,r16
        bst r16,0
        rcall TestIt
    ret

    TestIt:
        mov r16,spiLEDS
        sbr r16,0b10000000
        brts done
        cbr r16,0b10000000
    done:
        mov spiLEDS,r16
        rcall WriteDisplay    //output to display
    ret
```


Figure 2: T is set so it branch to done then copy r16 to LED.