```
MOVS            R1, #1
LDR.W           R0, =0x40059000 ; GPIO Port B
LDR.W           R2, =0x1000020
LDR             R2, [R2]
LDR             R2, [R2, #0x2C]
BLX             R2       ; ROM_GPIOPinRead
                         ; Reads the values present
                         ; of the specified pin(s).
```