RETURN

< Previous instruction: RETLW | Instruction index | Next instruction: RLCF >

RETURN	**Return from Subroutine**
Syntax:	[*label*] RETURN [s]
Operands:	s ∈ [0,1]
Operation:	(TOS) → PC, if s = 1 (WS) → W, (STATUSS) → STATUS, (BSRS) → BSR, PCLATU, PCLATH are unchanged
Status Affected:	None
Encoding:	0000 | 0000 | 0001 | 001*s*
Description:	Return from subroutine. The stack is popped and the top of the stack (TOS) is loaded into the program counter. If 's'= 1, the contents of the shadow registers WS, STATUSS and BSRS are loaded into their corresponding registers, W, STATUS and BSR. If 's' = 0, no update of these registers occurs (default).
Words:	1
Cycles:	2

Q Cycle Activity:

Q1	Q2	Q3	Q4
Decode	No operation	Process Data	pop PC from stack
No operation	No operation	No operation	No operation

Example: `RETURN`

After Interrupt
PC = TOS

< Previous instruction: RETLW | Instruction index | Next instruction: RLCF >