

TSTFSZ

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TSTFSZ Test f, skip if 0

Syntax:	[<i>label</i>] TSTFSZ f[,a]				
Operands:	$0 \leq f \leq 255$ $a \in [0,1]$				
Operation:	skip if $f = 0$				
Status Affected:	None				
Encoding:	<table border="1"><tr><td>0110</td><td>011a</td><td>ffff</td><td>ffff</td></tr></table>	0110	011a	ffff	ffff
0110	011a	ffff	ffff		
Description:	If 'f' = 0, the next instruction, fetched during the current instruction execution, is discarded and a NOP is executed, making this a two-cycle instruction. If 'a' is 0, the Access Bank will be selected, overriding the BSR value. If 'a' is 1, then the bank will be selected as per the BSR value (default).				
Words:	1				
Cycles:	1(2) Note: 3 cycles if skip and followed by a 2-word instruction.				

Q Cycle Activity:

Q1	Q2	Q3	Q4
Decode	Read register 'f'	Process Data	No operation

If skip:

Q1	Q2	Q3	Q4
No operation	No operation	No operation	No operation

If skip and followed by 2-word instruction:

Q1	Q2	Q3	Q4
No operation	No operation	No operation	No operation
No operation	No operation	No operation	No operation

Example:

```

HERE    TSTFSZ  CNT, 1
NZERO   :
ZERO    :
```

Before Instruction

PC = Address (HERE)

After Instruction

```

If CNT    = 0x00,
PC        = Address (ZERO)
If CNT    ≠ 0x00,
PC        = Address (NZERO)
```

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