LFSR

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LFSR	Load FSR
Syntax:	[*label*] LFSR f,k
Operands:	$0 \le f \le 2$ $0 \le k \le 4095$
Operation:	$k \rightarrow FSRf$
Status Affected:	None
Encoding:	1110 1111 | 1110 0000 | 00ff $k_7$kkk | k_{11}kkk kkkk
Description:	The 12-bit literal 'k' is loaded into the file select register pointed to by 'f'.
Words:	2
Cycles:	2

Q Cycle Activity:

Q1	Q2	Q3	Q4
Decode	Read literal 'k' MSB	Process Data	Write literal 'k' MSB to FSRfH
Decode	Read literal 'k' LSB	Process Data	Write literal 'k' to FSRfL

Example: `LFSR 2, 0x3AB`

After Instruction

FSR2H = 0x03
FSR2L = 0xAB

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