Jsr :

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| PCout, MARin, Rd, IncPc,Yin |
| MDRout,Yout, ADD,Zin, PCin(Incrementor) ,SPoutDec |
| PCout,MDRin,SPinDec  SPout,MARin,wr  Zout,PCin  Interrupt |
| flagout,MDRin,SPoutDec |
| SPinDec |
| Spout,MARin,wr,SPoutDec |
| PCout,MDRin,SPinDec |

SPout,MARin,wr

intAddressout,PCin

iret

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| Spout,MARin,Rd,SPoutInc  MDRout ,flagin,SPinInc  Spout,MARin,Rd,SPoutInc  MDRout ,PCin,SPinInc |
|  |

Rts

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| Spout,MARin,Rd,SPoutInc |
| MDRout ,PCin,SPinInc |