

LDI R16, \$F0.... $R16 \leftarrow \$f0$, $R16 = \$f0$

LDI R17, \$1F.... $R17 \leftarrow \$1f$, $R17 = \$1F$

CLR R30..... $R30 = 0$

LDI R31, \$0F.... $R31 \leftarrow \$0f$, $R31 = \$0f$

ST Z+, R16..... $R31:R30 = \$0F00$, $M[0F00] \leftarrow \$F0$, $R31:R30 = \$0F01$ ————— **0F00**

ADD R16, R17. $R16 \leftarrow R16+R17$, $R16 \leftarrow \$F0 + \$1F$, $R16 = \$0F$, $C = 1$

ST Z+, R16..... $R31:R30 = \$0F01$, $M[0F01] \leftarrow \$0F$, $R31:R30 = \$0F02$ ————— **0F01** **0F**

STD Y+5, R17... $R31:R30 + 5 = \$0F07$, $M[0F07] \leftarrow \$1F$ ————— **0F07** **1F**

STS \$7F0, R16. $M[7F0] \leftarrow \$0F$ ————— **07F0** **0F**

LD R18, -Y..... $R31:R30 - 1 = \$0F01$, $R18 \leftarrow M[0F01]$, $R18 = \$0F$, $R31:R30 = \$0F01$

LDD R19, Y+5.. $R31:R30 + 5 = \$0F06$, $R19 \leftarrow M[0F06]$, $R19 = \$00$

SRAM

