Initials code:

.ORIG x3000

LD R0,G

LD R1,M

TRAP x26

HALT

G .FILL x47

M .FILL x4D

.END

.orig x3030

LOOP LDI R2, DSR ; prints first inital

BRzp LOOP

STI R0, DDR

LOOP2 LDI R2, DSR ; prints second initial

BRzp LOOP2

STI R1, DDR

RET

DSR .FILL xFE04 ; DSR memory address

DDR .FILL xFE06 ; DDR memory address

.end