Código Assembly

.include "M16.def.inc"

```asm
LDI R16, 0XFF
OUT DDRA, R16

LDI R16, 0X00
OUT DDRB, R16
LDI R16, 0XFF
OUT PORTB, R16

LDI R16, 0X00
OUT DDRBC, R16
LDI R16, 0XFF
OUT PORTC, R16

LDI R16, LOW (RAMEND)
OUT SPL, R16
LDI R16, HIGH (RAMEND)
OUT SPH, R16

INICIO:

IN PINB, R16
IN PINC, R17

CP R16, R17
BREQ FREE
RJMP INICIO

FREE:

LDI R16, 0XFF
OUT PORTA, R16
RJMP INICIO
```