Using the selfie compiler

disassemble binary code

compile to binary code

-s example.s

./selfie -c example.c

-o example.m

output binary code

Von Neumann Machine

CPU

ALU

reg 31

…

reg 0

pc

ir

63   0

bottleneck

MAX

word-aligned

16

8

7 6 5 4 3 2 1 0

63   0

byte-addressed

boot loader

ROM

63   0

More about the Von Neumann architecture

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-s example.s
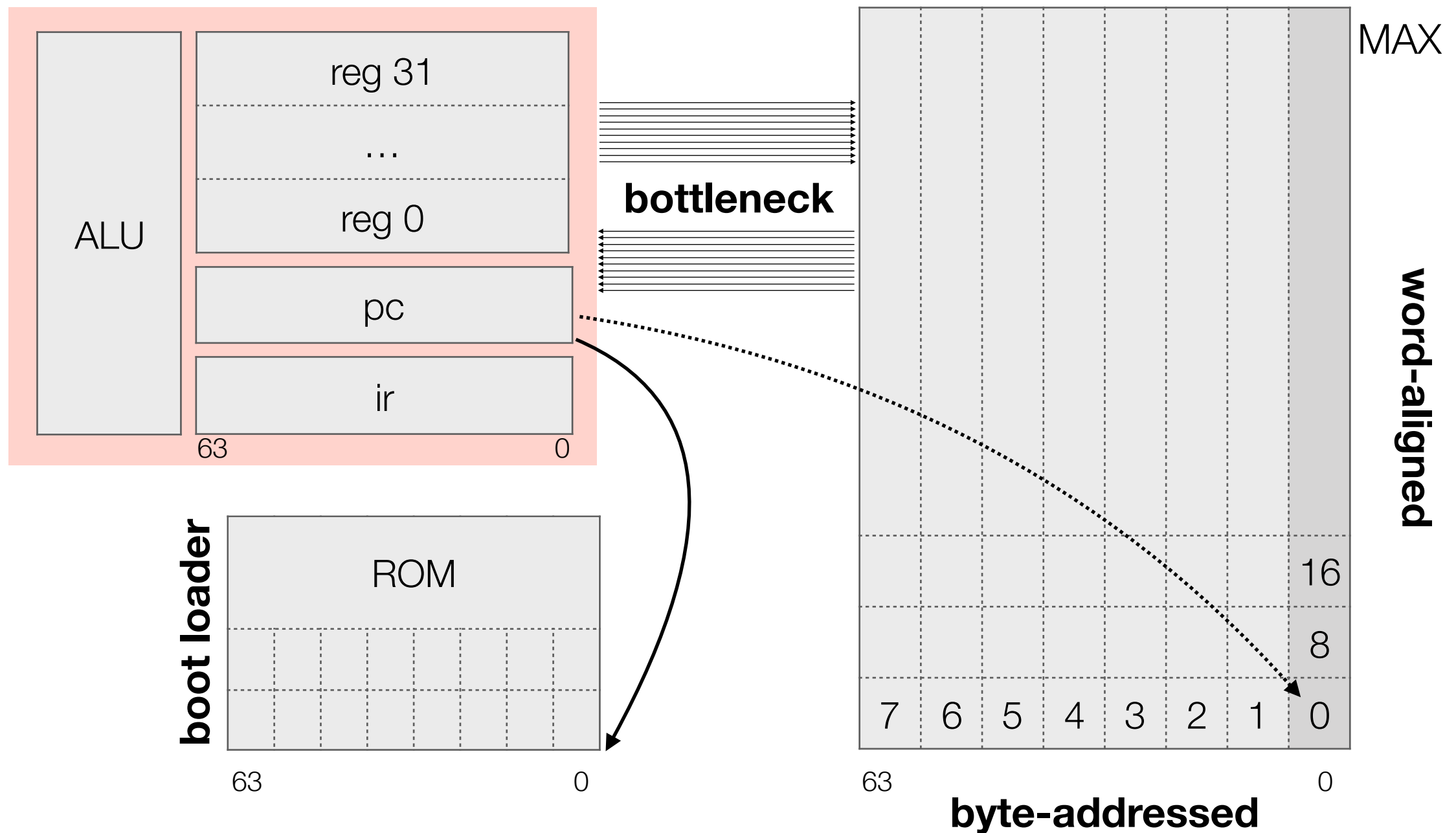
./selfie -c example.c

-o example.m

output binary code