/\* -- Code section \*/

.text

/\* Ensure code is 4 byte aligned \*/

.balign 4

.global main

main:

ldr r1, addr\_of\_myvar1 /\* r1 ← &myvar1 \*/

ldr r1, [r1] /\* r1 ← \*r1 \*/

ldr r2, addr\_of\_myvar2 /\* r2 ← &myvar2 \*/

ldr r2, [r2] /\* r2 ← \*r2 \*/

sxth r1, r0

bx lr

/\* Labels needed to access data \*/

addr\_of\_myvar1 : .word myvar1

addr\_of\_myvar2 : .word myvar2