

# Chapter 4 Homework

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**Problem 4.1.** If  $r0$  initially contains 1, what will it contain after the third instruction in the sequence below?

```
add    r0, r0, #1
mov     r1, r0
add    r0, r1, r0 lsl #1
```

$r0 = 3$

**Solution**  $r0 = 3$