Spin Lock with Low Coherence Traffic

```
lockit: LL      R2, 0(R1)   ; load linked, generates no coherence traffic
        BNEZ    R2, lockit  ; not available, keep spinning
        DADDUI R2, R0, #1 ; put value 1 in R2
        SC      R2, 0(R1)   ; store-conditional succeeds if no one
                            ; updated the lock since the last LL
        BEQZ    R2, lockit  ; confirm that SC succeeded, else keep trying
```

- If there are i processes waiting for the lock, how many bus transactions happen?

  1 write by the releaser + i read-miss requests + i responses + 1 write by acquirer + 0 (i-1 failed SCs) + i-1 read-miss requests + i-1 responses