

```
#
# note: code below results from addmem(1+, %*J , +)
#
load  r1, 1+  # load 1st arg into register 1
load  r2, %*J # load 2nd arg into register 2
add   r1, r2  # add register 2 to register 1
store r3, +   # store the result in 3rd arg
```

**Figure 9.15** An example of an illegal program that can result from an expansion of macro *addmem*. The assembler substitutes arguments without checking their validity.