R1d Compiler Project

Copy your `R1.java` to `R1d.java`. Then replace every occurrence of "R1" in `R1.java` with "R1d".

Be sure your name is in `R1d.java`.

Modify `R1d.java` so that it meets the specifications for R1d described below.

Compile your R1d compiler with

javac R1d.java

Compile `S1.s` (which is in the J1 Software Package) with your R1d compiler with

java R1d S1

Assemble the output file `S1.a` created by your R1 compiler with

a S1.a

Finally run the executable program in `S1.e` created by the assembler with

e S1 /c

Submit to your instructor R1d.java, S1.a and S1.*<family name>*.log (the log file that the e program creates when it runs s1.e) in the form requested. If files requested, do not submit a ZIP FILE.

SPECIFICATIONS FOR R1d

```
Replace ld with ldc wherever possible.
Reuse temps wherever possible.
Support constant folding.
Support register allocation.
```