

Author Designs the Interface to Assembly Subroutines

What about other registers and memory locations?

(That is, ones that your code does not use as input nor as output.)

Again, the **answers are completely up to you** (the subroutine author).

Be sure to document your choices!

Have You Attended ECE Talent Night?

I need a break.
 May I **borrow** a piece of paper?
 I need more paper.
 May I **borrow** a textbook?
 Have you ever brooded on the fact ...*
 ...that when a friend **borrow**s a ~~Klee~~
 facial tissue, they never
 think to return it?

*Apologies to Jack Handey.

Does Borrow Mean What I Think It Means?

Borrow: one word, many meanings!

Ambiguity is ok in English and other human languages.

We figure it out.

Ambiguity is NOT ok in digital systems.

When you write a subroutine, make ownership of registers and side effects clear!

The Caller Calls the Callee

Here are a few terms to help...

Let's say that code **A** calls subroutine **B**.

A is the **caller**.

B is the **callee**.