

## How excited are you about this course?

- A. Super excited
- B. A little excited
- C. Not that excited
- D. Not at all excited

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Another example  $\begin{array}{c}
 if (failse) \\
 if (failse)$ 





















## Another example area(h,w) { return h \* w } h := ...; w := 4; a := area(h,w)

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- Compute it as few times as possible – CSE, PRE, PDE, loop invariant code motion
- Compute it as cheaply as possible
   strength reduction
- Enable other optimizations
   constant and copy prop, pointer analysis
- Compute it with as little code space as possible
   unreachable code elimination