MIT 6.035: Computer Language Engineering

Spring 2022

Mini Quiz 17

github.com/6035/sp22

Name: _____

Kerberos username (omit @mit.edu):

Q: Using Common Subexpression elimination, rewrite the basic block:

$$x = a + b;$$

 $y = x + c;$
 $z = a + b + c;$

Q: Name some optimizations you can perform on the below code, and rewrite accordingly.

$$x = 5;$$

 $y = x + 3;$
 $z = b + 0*c + -y;$
 $y = a*y;$
 $w = (y > c) && (x < 3);$