

Thursday, November 3

Name _____

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6.035 Fall 2016

Miniquiz #21

5 Minutes

Consider the following piece of x86-64 assembly code, where each instruction is assigned an ID:

1. `mov -8(%rbp), %r10`
2. `add %r15, %r10`
3. `mov %r10, -16(%rbp)`
4. `mov -24(%rbp), %r10`
5. `add %r10, %r11`
6. `mul %r10, %r12`
7. `add %r11, %r12`

Draw dependence edges of the instructions (a source node of a dependence edge is an instruction A that must execute before the destination instruction B):

