CPSC 313 2012 – Mike Feeley Assignment #2

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Problem 1:

Pseudo-code for **rmmovl**

Fetch:

Decode:

valA \leftarrow R[rA] valB \leftarrow R[rB]

Execute:

valE ← valC + (valB*ifun)

Memory:

 $M_4[valE] \leftarrow valA$

Write back: PC update:

PC ← valP

Pseudo-code for **mrmovl**

Fetch:

Decode:

valB $\leftarrow R[rB]$

Execute:

valE ← valC + (valB*ifun)

Memory:

valM $\leftarrow M_4[valE]$

Write back:

 $R[rA] \leftarrow valM$

PC update:

PC ← valP