

CS 411

HW8

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- 1.)
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|-----|-----|------|---------|---------|
| L1: | lw | \$3, | 50(\$3) | |
| L2: | add | \$2, | \$3, | \$4 ✗ |
| L3: | sw | \$2, | 20 | (\$2) |
| L4: | lw | \$5, | 30 | (\$2) |
| L5: | lw | \$6, | 40 | (\$5) ✗ |
| L6: | or | \$5, | \$6, | \$5 ✗ |

L2, L5, & L6 need nops before them

2.) See HW8.txt

3.) 9 CLK cycles

4.) NO, because data forwarding is more efficient than using NOPS.