

# Princeton University

## COS 217: Introduction to Programming Systems

### Assembler Assignment: 05p2arith.s Text Section

Offset	Contents Hex	Contents Binary	Generated by	Explanation
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[0]	86	10000110	add %g1,%g2,%g3	10 00011 000000 00001 0 00000000 00010
[1]	00	00000000		op rd op3 rs1 i unused rs2
[2]	40	01000000		
[3]	02	00000010		
[4]	86	10000110	add %g1,2,%g3	10 00011 000000 00001 1 00000000000010
[5]	00	00000000		op rd op3 rs1 i simm13
[6]	60	01100000		
[7]	02	00000010		
[8]	86	10000110	add %g1,-4,%g3	10 00011 000000 00001 1 1111111111100
[9]	00	00000000		op rd op3 rs1 i simm13
[10]	7f	01111111		
[11]	fc	11111100		
[12]	b2	10110010	add %o1,%i1,%i1	10 11001 000000 01001 0 00000000 10001
[13]	02	00000010		op rd op3 rs1 i unused rs2
[14]	40	01000000		25 9 17
[15]	11	00010001		
[16]	bc	10111100	add %r1,%sp,%fp	10 11110 000000 00001 0 00000000 01110
[17]	00	00000000		op rd op3 rs1 i unused rs2
[18]	40	01000000		30 1 14
[19]	0e	00001110		
[20]	86	10000110	addcc %g1,%g2,%g3	10 00011 010000 00001 0 00000000 00010
[21]	80	10000000		op rd op3 rs1 i unused rs2
[22]	40	01000000		
[23]	02	00000010		
[24]	86	10000110	sub %g1,%g2,%g3	10 00011 000100 00001 0 00000000 00010
[25]	20	00100000		op rd op3 rs1 i unused rs2
[26]	40	01000000		
[27]	02	00000010		
[28]	86	10000110	subcc %g1,%g2,%g3	10 00011 010100 00001 0 00000000 00010
[29]	a0	10100000		op rd op3 rs1 i unused rs2
[30]	40	01000000		
[31]	02	00000010		