

Princeton University

COS 217: Introduction to Programming Systems

Assembler Assignment: 12p2call.s Text Section

Offset	Contents Hex	Contents Binary	Generated by	Explanation
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[0]	40	01000000	call label	01 00000000000000000000000000000100
[1]	00	00000000		op disp30 (4)
[2]	00	00000000		
[3]	04	00000100		
[4]	01	00000001	nop	00 00000 100 0000000000000000000000
[5]	00	00000000		op rd op2 imm22
[6]	00	00000000		
[7]	00	00000000		
[8]	40	01000000	call label	01 0000000000000000000000000000010
[9]	00	00000000		op disp30 (2)
[10]	00	00000000		
[11]	02	00000010		
[12]	01	00000001	nop	00 00000 100 0000000000000000000000
[13]	00	00000000		op rd op2 imm22
[14]	00	00000000		
[15]	00	00000000		
[16]	40	01000000	call label	01 0000000000000000000000000000000
[17]	00	00000000		op disp30 (0)
[18]	00	00000000		
[19]	00	00000000		
[20]	01	00000001	nop	00 00000 100 0000000000000000000000
[21]	00	00000000		op rd op2 imm22
[22]	00	00000000		
[23]	00	00000000		
[24]	7f	01111111	call label	01 11111111111111111111111111111110
[25]	ff	11111111		op disp30 (-2)
[26]	ff	11111111		
[27]	fe	11111110		
[28]	01	00000001	nop	00 00000 100 0000000000000000000000
[29]	00	00000000		op rd op2 imm22
[30]	00	00000000		
[31]	00	00000000		
[32]	7f	01000000	call label	01 11111111111111111111111111111100
[33]	ff	11111111		op disp30 (-4)
[34]	ff	11111111		
[35]	fc	11111100		
[36]	01	00000001	nop	00 00000 100 0000000000000000000000
[37]	00	00000000		op rd op2 imm22
[38]	00	00000000		
[39]	00	00000000		