

Princeton University

COS 217: Introduction to Programming Systems

Assembler Output for 16p2relbranch.S

Symbol Table

Label	Section	Offset	Type	Label Sequence #
labelLocal0	text	4	local	0
labelGlobal	text	12	global	1
labelLocal1	text	60	local	2
labelInDifferentSection	data	0	local	3
labelUndefined	?	?	global	4

Data Section

Offset	Contents (binary)	Contents (hex)	Explanation
0	01101010	6a	.asciz "junk"
1	01110101	75	
2	01101110	6e	
3	01101011	6b	
4	00000000	00	

Text Section

Offset	Contents (binary)	Contents (hex)	Explanation
0-3			add %g1,%g2,%g3
4-7			add %g1,%g2,%g3
8-11			add %g1,%g2,%g3
12-15			add %g1,%g2,%g3
16-19	00 0 1000 010 1111111111111111111101	10bffffd	ba labelLocal0
20-23			nop
24-27	00 0 1000 010 00000000000000000001001	10800009	ba labelLocal1
28-31			nop
32-35	00 0 1000 010 ??????????????????????	10800000	ba labelGlobal
36-39			nop
40-43	00 0 1000 010 ??????????????????????	10800000	ba labelUndefined
44-47			nop
48-51	00 0 1000 010 ??????????????????????	10800000	ba labelInDifferentSection
52-55			nop
56-59			add %g1,%g2,%g3
60-63			add %g1,%g2,%g3

Relocation Records

Offset	Relocation Type	Label Sequence #
32	DISP22	1
40	DISP22	4
48	DISP22	3