Princeton University
COS 217: Introduction to Programming Systems
Assembler Output for 18p2relset.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 00001 100 ????????????????????????	03000000	sethi %hi(labelLocal0),%g1
20-23	10 00001 000010 00001 1 ?????????????	82106000	or %g1,%lo(labelLocal0),%g1
24-27	00 00001 100 ????????????????????????	03000000	sethi %hi(labelLocal1),%g1
28-31	10 00001 000010 00001 1 ?????????????	82106000	or %g1,%lo(labelLocal0),%g1
32-35	00 00001 100 ????????????????????????	03000000	sethi %hi(labelGlobal),%g1
36-39	10 00001 000010 00001 1 ?????????????	82106000	or %g1,%lo(labelGlobal),%g1
40-43	00 00001 100 ????????????????????????	03000000	sethi %hi(labelUndefined),%g1
44-47	10 00001 000010 00001 1 ?????????????	82106000	or %g1,%lo(labelUndefined),%g1
48-51	00 00001 100 ????????????????????????	03000000	sethi %hi(labelInDifferentSection),%g1
52-55	10 00001 000010 00001 1 ?????????????	82106000	or %g1,%lo(labelInDifferentSection),%g1
56-59			add %g1,%g2,%g3
60-63			add %g1,%g2,%g3

Relocation Records

Offset	Relocation Type	Label Sequence #
16	HI22	0
20	LO10	0
24	HI22	2
28	LO10	2
32	HI22	1
36	LO10	1
40	HI22	4
44	LO10	4
48	HI22	3
52	LO10	3