

Instruction	doduc	ear	hydro2d	mdljdp2	su2cor	FP average
Load	8.9%	6.5%	18.0%	27.6%	27.6%	20%
Store	12.4%	3.1%	11.5%	7.8%	7.8%	8%
Add	5.4%	6.6%	14.6%	8.8%	8.8%	10%
Sub	1.0%	2.4%	3.3%	2.4%	2.4%	3%
Mul						0%
Div						0%
Compare	1.8%	5.1%	0.8%	1.0%	1.0%	2%
Mov reg-reg	3.2%	0.1%	1.8%	2.3%	2.3%	2%
Load imm	0.4%	1.5%				0%
Cond. branch	5.4%	8.2%	5.1%	2.7%	2.7%	5%
Uncond branch	0.8%	0.4%	1.3%	0.3%	0.3%	1%
Call	0.5%	1.6%		0.1%	0.1%	0%
Return, jmp indirect	0.5%	1.6%		0.1%	0.1%	0%
Shift	1.1%		4.5%	2.5%	2.5%	2%
AND	0.8%	0.8%	0.7%	1.3%	1.3%	1%
OR	0.1%			0.1%	0.1%	0%
Other (XOR, not, . . .)						0%
Load FP	14.1%	22.5%	9.1%	12.6%	12.6%	14%
Store FP	8.6%	11.4%	4.1%	6.6%	6.6%	7%
Add FP	5.8%	6.1%	1.4%	6.6%	6.6%	5%
Sub FP	2.2%	2.7%	3.1%	2.9%	2.9%	3%
Mul FP	8.9%	8.0%	4.1%	12.0%	12.0%	9%
Div FP	2.1%		0.8%	0.2%	0.2%	0%
Compare FP	9.4%	6.9%	10.8%	0.5%	0.5%	5%
Mov reg-reg FP	2.5%	0.8%	0.3%	0.8%	0.8%	1%
Other (abs, sqrt, . . .)	3.9%	3.8%	4.1%	0.8%	0.8%	2%

FIGURE E.44 80x86 instruction mix for five SPECfp92 programs.