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1. Load	.10		
Haz	.20	2	.10 .20 .20
No Haz	.8	1	.10 .80 .10
stone	.15		
Haz	.30	2	.15 .30 .20
No Haz	.70	1	.15 .70 .10
R-type	.60	1	.60 .10
Jumps	.05	4	.05 .40
Conditional Branch	.1	3	.10 .30
Avg CPI:			1.415

2. Load	.1		
Haz	.2	2	.10 .20 .20
No Haz	.8	1	.10 .80 .10
stone	.15		
Haz	.3	2	.15 .30 .20
No Haz	.7	1	.15 .70 .10
R-type	.6	1	.60 .10
Jumps	.05	4	.05 .40
Branch	.1		.10 .60 .10
Not taken	.6	1	
taken	.4	3	.10 .40 .30
Avg CPI:			1.295

$$2. \left(\frac{1.415 \text{ clocks}}{\text{Instructions}} \right)^{-1} \cdot \frac{1 \text{ clock}}{\text{ns}} = 706.71 \text{ MIPS}$$

$$4. \left(\frac{1.295 \text{ clock}}{\text{Instructions}} \right)^{-1} \cdot \frac{1 \text{ clock}}{\text{ns}} = 772.20 \text{ MIPS}$$

$$772.20 / 706.71 = 1.092 \text{ times faster}$$