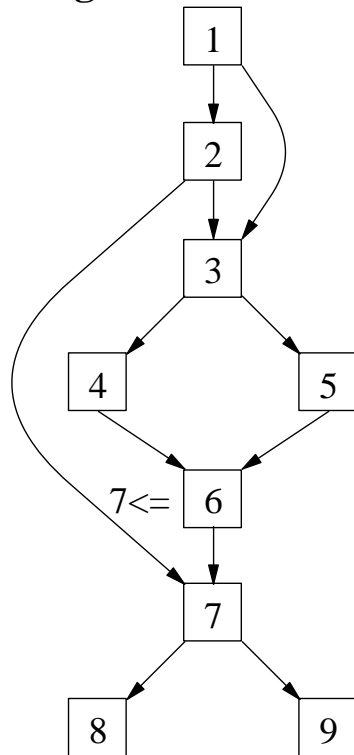
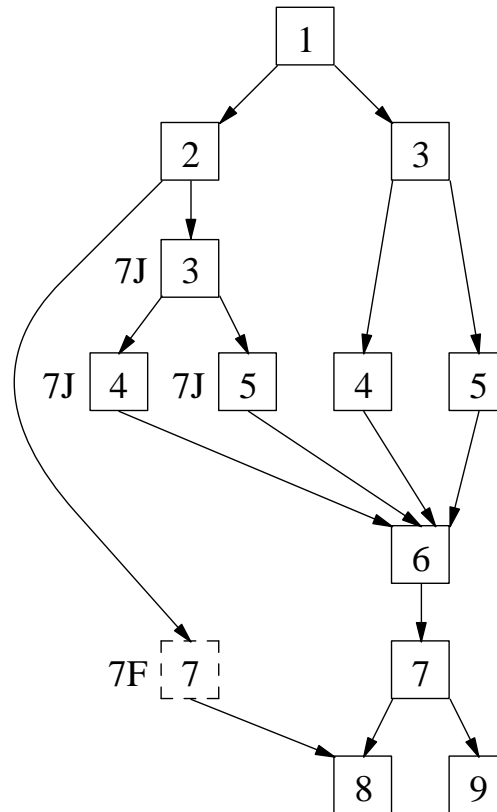


## Example of Eliminating Unnecessary Replication

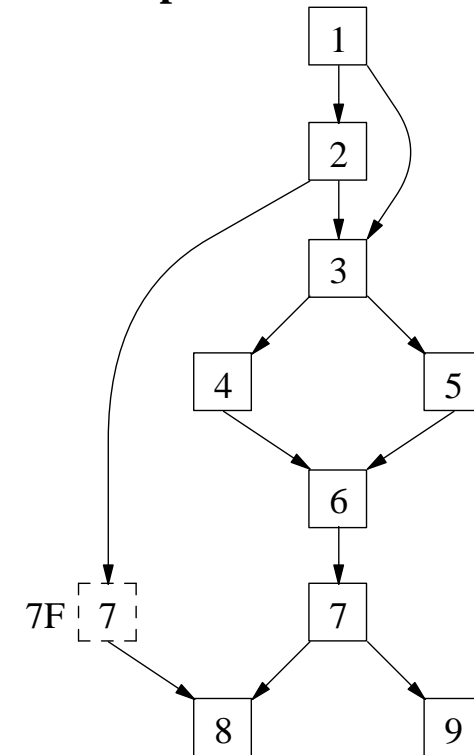
**Original Control Flow**



**Restructured Control Flow**



**Compressed Control Flow**



### Dynamic Results

Name	Dynamic Instructions			Cache Information		
	Total	Restruct	Branch	Hit Ratio	Change	Work
banner	<b>-4.43%</b>	-5.43%	-10.51%	98.97%	-0.34%	-1.77%
cacheall	<b>-2.23%</b>	-18.58%	-23.48%	76.21%	+0.03%	-2.30%
cal	<b>-3.20%</b>	-12.48%	-40.13%	99.80%	-0.35%	-0.21%
ctags	<b>-1.67%</b>	-2.07%	-5.91%	98.92%	-0.40%	+1.54%
dhrystone	<b>-1.06%</b>	-7.44%	-20.00%	84.62%	-0.70%	+1.56%
join	<b>-7.91%</b>	-9.87%	-6.37%	98.15%	-0.79%	-2.28%
od	<b>-9.57%</b>	-12.18%	-12.99%	95.56%	+1.60%	-18.89%
sched	<b>-5.55%</b>	-8.39%	-10.29%	96.00%	+1.22%	-13.15%
sdiff	<b>-4.15%</b>	-9.01%	+0.00%	97.45%	+0.09%	-4.78%
wc	<b>-11.11%</b>	-12.82%	-22.15%	99.89%	-0.07%	-10.52%
whetstone	<b>-6.81%</b>	-59.18%	-75.00%	100.00%	-0.00%	-6.45%
average	<b>-5.24%</b>	-14.31%	-20.62%	95.05%	+0.03%	-5.21%