A 2-bit predictor will be correct 33%.

A 1-bit predictor will be correct 66%.

How would various branch predictors do on the bold branch in the following code?

Review Problem 49
Complex ILP Example

Note: Assume no delay slots
Types of Hazards

Data Hazards (multiple uses of the same location)

RAW – Read after write
WAW – Write after write
WAR – Write after read
RAR – Read after read

Memory

Control Hazards
Branches