TDTS08: Lab Report

Lab 2: Instruction Pipelining

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IMPLEMENT PICTURE DURING TEATIME

3 Pipeline basics II

When we have a short pipeline we get less time penalty due to that its only one step that needs redoing and therefore its detected earlier.
IMPLEMENT PICTURE DURING TEATIME

4 Branch prediction

Here we analyze how different branch prediction algorithms perform.

4.1 Desciption

For each predictor a benchmark was run according to the following command

sim-outorder -bpred *predictor* ~/TDTS08/bin/go.ss 3 8

4.2 Solution

The performance result can be seen in figure 1 below.

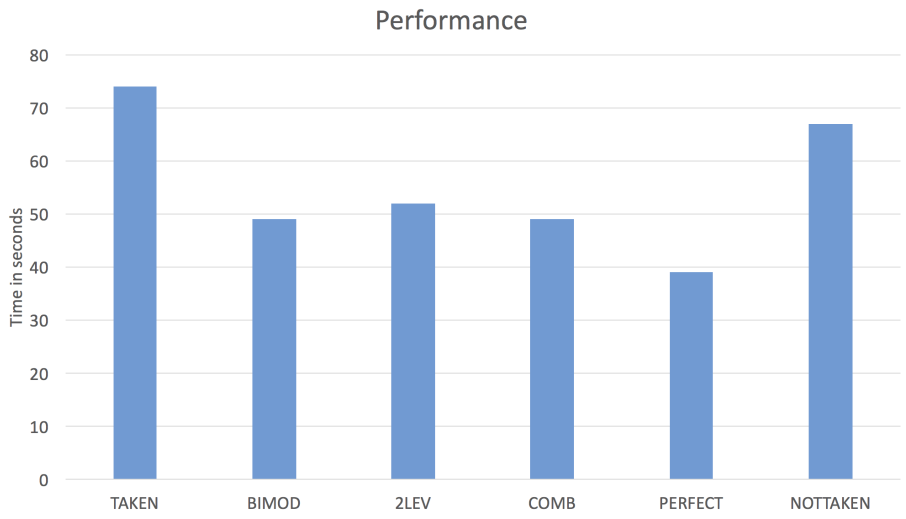

Figure 1 – Performance of the different branch prediction algorithms