









- Assuming that a branch is not taken is a crude form of prediction
  If 50% of branches are taken, we will be right 50% of the time
- To do better than this, we can examine past behavior of the branch to hint what will happen this time
- We maintain a small branch prediction buffer or branch history table
  - The table is indexed by the low order bits of branch instruction addresses (why not the high order bits?)
  - Each entry is a single bit which tells us whether the branch was taken
- Improves accuracy to 80-90%

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