#1: What is “dynamic branch prediction”?

#2: Why was “dynamic branch prediction” proposed?

#3: What are the two primary components in dynamic branch prediction?

#4: Show a sketch of a prediction table.

#5: Explain how are state-transition diagrams used in dynamic branch prediction (using a one-bit predictor).

#6: What are symmetric predictors? What are asymmetric predictors?

#7: Why do most of the processors use asymmetric predictors (instead of symmetric predictors)?

#8: What are “two-level branch predictors”?

#9: What is the primary motivation in using “two-level branch predictors”?