LocalPrediction

bool read_local_prediction(uint branch_addr)
void update_local_prediction(uint branch_addr, bool taken)

LocalPredictionRecord LocalPredictionTable [1024]

LocalPredictionRecord

uint8_t read_counter()
void modify_counter(bool taken)
uint8_t LocalPredictionCounter

PathHistory

bool read_choice_prediction()
bool read_global_prediction()
void update_path_history(bool taken)

uint16_t PathHistory HistoryIndexedPrediction GlobalPredictionData HistoryIndexedPrediction ChoicePredictionData

HistoryIndexedPrediction

bool read_index(uint path_history)
void update_history_prediction(uint path_history, bool direction)
TwoBitCounterRecord HistoryPredictionTable[4096]

TwoBitCounterRecord

uint8_t read_counter()
void modify_counter(bool direction)
uint8_t PredictionCounter