PREDICTOR

PREDICTOR();
bool get_prediction(const branch_record_c* br, const op_state_c* os);
void update_predictor(const branch_record_c* br, const op_state_c* os, bool taken);

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predictor_table local;
predictor_table global;
predictor_table choice;
path_history path_h;

predictor_table

predictor_table(int ctr_bits, int table_size);
bool get_prediction(unsigned int index);
void update_prediction(unsigned int index, bool result);
~predictor_table();

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Sat_counter** table;
int table_len;
unsigned int index_mask;

path_history

path_history();
unsigned int get_history();
void update(bool result);

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unsigned int history;

Sat_counter

Sat_counter(int bits);
void update_count(bool count_up);
bool get_result();

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uint8_t value;
uint8_t limit;