Transposition Tables

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Intuition



- Table (transposition table). Stones previously Calculated Heoristic Minimay Valves.
 - · Very good for iterative deepening search · Chass has many transpositions
- What is stored in a Trasposition table?

State s: depht d

HValue of s

Table

Key

Value.

• How to use information in a Transposition

Table?



S is encountered again! at d, then

d' > d - p retreive H Value (5)

d' < d - p use best more as the starting action to re-evaluate s.

How to undate Table?

How to update Table?

When state s is re-evaluated:

Less preferred than this.

Hashing a game board?

"Zobrist' Keys. chess-go.

2hash(s)_2hash(s') For board games.