

# Total Difficulty

**Notation** : difficulty

**Description** : The *Total Difficulty* of a block is defined recursively by a function which calculates the difficulty of all blocks prior to the header in the present block.

Pseudocode	Definition
<code>presentstate(total.difficulty)</code>	Total difficulty of <i>this block</i> .
<code>presentstate(block.parent)</code>	<i>This block's</i> parent block.
<code>presentstate(block.difficulty)</code>	<i>This block's</i> difficulty.