The four instances of BLAKE, as tweaked for the final, are renamed BLAKE-224, BLAKE-256, BLAKE-384, and BLAKE-512 (instead of BLAKE-28, BLAKE-32, BLAKE-48, and BLAKE-64). This change will avoid confusion when looking at previous speed benchmarks.

The BLAKE website (http://131002.net/blake/) has been redesigned and updated with new supporting documentation and implementations according to the tweak and to the renaming.
BLAKE-512 on ARM7TDMI can hash at about 233 cycles/byte, on Cortex M3 can hash at about 248 cycles/byte and on Cortex A9 can hash at speed of about 140 cycles/byte.

These results were calculated on IAR Embedded Workbench in Simulator mode.

Starting from 1 byte to 1100 byte there were 50 input sets. The graph between the number of bytes and cycles/byte depicts that with increasing input size, the running time of all the tree algorithms was reduced.

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Thanks and Regards
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