

Suppose you are provided with the following information:

The hash value of the preceding block header: 65DEE770

The hash value of the Merkle tree root: 3FE8843F

Difficulty Level (See Note 1): 0004

Timestamp (see Note 2): 1537918382

Note 1: The difficulty level of four is expressed in terms of four hexadecimal digits.

Note 2: This is a UNIX timestamp, which is the number of seconds since 1 January 1970.

Step 1

The preliminary header for the new block:

65DEE7703FE8843F00041537918382

Step 2

The nonce associated with the header above with 4 leading zeros:

3511

Step 3

The hash value of the new block header:

0000094C

The new block header:

65DEE7703FE8843F00041537918382 3511

The value shown above gives the hash:

0000094C