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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'BN_is_word.3ossl' command

$ man BN_is_word.3ossl

BN_CMP(3ossl) OpenSSL BN_CMP(3ossl)

NAME

BN_cmp, BN_ucmp, BN_is_zero, BN_is_one, BN_is_word, BN_abs_is_word,

BN_is_odd - BIGNUM comparison and test functions

SYNOPSIS

```
#include <openssl/bn.h>

int BN_cmp(const BIGNUM *a, const BIGNUM *b);
int BN_ucmp(const BIGNUM *a, const BIGNUM *b);

int BN_is_zero(const BIGNUM *a);
int BN_is_one(const BIGNUM *a);
int BN_is_word(const BIGNUM *a, const BN_ULONG w);
int BN_abs_is_word(const BIGNUM *a, const BN_ULONG w);
int BN_is_odd(const BIGNUM *a);
```

DESCRIPTION

BN_cmp() compares the numbers a and b. BN_ucmp() compares their

absolute values.

BN_is_zero(), BN_is_one(), BN_is_word() and BN_abs_is_word() test if a

equals 0, 1, w, or |w| respectively. BN_is_odd() tests if a is odd.

RETURN VALUES

BN_cmp() returns -1 if a < b, 0 if a == b and 1 if a > b. BN_ucmp() is the same using the absolute values of a and b.

BN_is_zero(), BN_is_one() BN_is_word(), BN_abs_is_word() and BN_is_odd() return 1 if the condition is true, 0 otherwise.

HISTORY

Prior to OpenSSL 1.1.0, BN_is_zero(), BN_is_one(), BN_is_word(), BN_abs_is_word() and BN_is_odd() were macros.

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