$c = a + b$	`mp_add(&a, &b, &c)`
$c = a - b$	`mp_sub(&a, &b, &c)`
$c = ab$	`mp_mul(&a, &b, &c)`
$b = a^2$	`mp_sqr(&a, &b)`
$c = \lfloor a/b \rfloor, d = a \mod b$	`mp_div(&a, &b, &c, &d)`
$a = b$	`mp_set_int(&a, b)`
$b = a$	`mp_copy(&a, &b)`
$b = -a$	`mp_neg(&a, &b)`
$b = \|a\|$	`mp_abs(&a, &b)`
Compare a and b	`mp_cmp(&a, &b)`
Is Zero?	`mp_iszero(&a)`
Is Even?	`mp_iseven(&a)`
Is Odd ?	`mp_isodd(&a)`
$\|\|a\|\|$	`mp_unsigned_bin_size(&a)`
$buf \leftarrow a$	`mp_to_unsigned_bin(&a, buf)`
$a \leftarrow buf[0..len-1]$	`mp_read_unsigned_bin(&a, buf, len)`
$b = \sqrt{a}$	`mp_sqrt(&a, &b)`
$c = a^{1/b}$	`mp_n_root(&a, b, &c)`
Greater Than	MP_GT
Less Than	MP_LT

$b = 2a$	`mp_mul_2(&a, &b)`
$b = a/2$	`mp_div_2(&a, &b)`
$c = 2^b a$	`mp_mul_2d(&a, b, &c)`
$c = a/2^b, d = a \mod 2^b$	`mp_div_2d(&a, b, &c, &d)`
$c = a \mod 2^b$	`mp_mod_2d(&a, b, &c)`
$c = a \vee b$	`mp_or(&a, &b, &c)`
$c = a \wedge b$	`mp_and(&a, &b, &c)`
$c = a \oplus b$	`mp_xor(&a, &b, &c)`
$d = a + b \mod c$	`mp_addmod(&a, &b, &c, &d)`
$d = a - b \mod c$	`mp_submod(&a, &b, &c, &d)`
$d = ab \mod c$	`mp_mulmod(&a, &b, &c, &d)`
$c = a^2 \mod b$	`mp_sqrmod(&a, &b, &c)`
$c = a^{-1} \mod b$	`mp_invmod(&a, &b, &c)`
$d = a^b \mod c$	`mp_exptmod(&a, &b, &c, &d)`
$res = 1$ if a prime to t rounds?	`mp_prime_is_prime(&a, t, &res)`
Next prime after a to t rounds.	`mp_prime_next_prime(&a, t, bbs_style)`
$c = \gcd(a, b)$	`mp_gcd(&a, &b, &c)`
$c = \mathrm{lcm}(a, b)$	`mp_lcm(&a, &b, &c)`
Equal To	MP_EQ
Bits per digit	DIGIT_BIT