could be performed. The function's behavior is undefined if the number can't be represented.   *26.2*

---

atoll   *Convert String to Long Long Integer (C99)*   `<stdlib.h>`

`long long int atoll(const char *nptr);`

Returns   A `long long int` value corresponding to the longest initial part of the string pointed to by `nptr` that has the form of an integer. Returns zero if no conversion could be performed. The function's behavior is undefined if the number can't be represented.   *26.2*

---

bsearch   *Binary Search*   `<stdlib.h>`

```
void *bsearch(const void *key, const void *base,
              size_t memb, size_t size,
              int (*compar)(const void *,
                            const void *));
```

Searches for the value pointed to by `key` in the sorted array pointed to by `base`. The array has nmemb elements, each `size` bytes long. `compar` is a pointer to a comparison function. When passed pointers to the key and an array element, in that order, the comparison function must return a negative, zero, or positive integer, depending on whether the key is less than, equal to, or greater than the array element.

Returns   A pointer to an array element that tests equal to the key. Returns a null pointer if the key isn't found.   *26.2*

---

btowc   *Convert Byte to Wide Character (C99)*   `<wchar.h>`

`wint_t btowc(int c);`

Returns   Wide-character representation of c. Returns WEOF if c is equal to EOF or if c (when cast to `unsigned char`) isn't a valid single-byte character in the initial shift state.   *25.5*

---

cabs   *Complex Absolute Value (C99)*   `<complex.h>`

```
        double cabs(double complex z);
cabsf   float cabsf(float complex z);
cabsl   long double cabsl(long double complex z);
```

Returns   Complex absolute value of z.   *27.4*

---

cacos   *Complex Arc Cosine (C99)*   `<complex.h>`

```
         double complex cacos(double complex z);
cacosf   float complex cacosf(float complex z);
cacosl   long double complex cacosl(long double complex z);
```

Returns   Complex arc cosine of z, with branch cuts outside the interval [−1, +1] along the real axis. The return value lies in a strip mathematically unbounded along the imaginary axis and in the interval [0, π] along the real axis.   *27.4*