**main**

| caminhoInicial | pointer to const char |
|---|---|

array

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | char | char | char | char | char | char | char | char | char | char | char | char | char | char | char | char |
| | '.' | '/' | 'm' | 'e' | 'u' | '_' | 'd' | 'i' | 'r' | 'e' | 't' | 'o' | 'r' | 'i' | 'o' | '\0' |

(this is in read-only storage, not the heap)

**listarDiretorios**

| caminho | pointer to const char<br>? |
|---|---|
| dir | pointer to DIR<br>? |
| item | pointer to dirent<br>? |

| a | struct stat | | |
|---|---|---|---|
| | st_dev | __dev_t<br>? | |
| | st_ino | __ino_t<br>? | |
| | st_nlink | __nlink_t<br>? | |
| | st_mode | __mode_t<br>? | |
| | st_uid | __uid_t<br>? | |
| | st_gid | __gid_t<br>? | |
| | __pad0 | int<br>? | |
| | st_rdev | __dev_t<br>? | |
| | st_size | __off_t<br>? | |
| | st_blksize | __blksize_t<br>? | |
| | st_blocks | __blkcnt_t<br>? | |
| | st_atim | struct timespec | |
| | | tv_sec | __time_t<br>? |
| | | tv_nsec | __syscall_slong_t<br>? |
| | st_mtim | struct timespec | |
| | | tv_sec | __time_t<br>? |
| | | tv_nsec | __syscall_slong_t<br>? |
| | | struct timespec | |
| | | | __time_t |

**listarDiretorios**

| caminho | pointer to const char | |
|---|---|---|
| dir | pointer to DIR NULL (0x0) | |
| item | pointer to dirent ? | |

struct stat

| | field | type / value |
|---|---|---|
| **a** | st_dev | __dev_t ? |
| | st_ino | __ino_t ? |
| | st_nlink | __nlink_t ? |
| | st_mode | __mode_t ? |
| | st_uid | __uid_t ? |
| | st_gid | __gid_t ? |
| | __pad0 | int ? |
| | st_rdev | __dev_t ? |
| | st_size | __off_t ? |
| | st_blksize | __blksize_t ? |
| | st_blocks | __blkcnt_t ? |

st_atim — struct timespec

| tv_sec | __time_t ? |
|---|---|
| tv_nsec | __syscall_slong_t ? |

st_mtim — struct timespec

| tv_sec | __time_t ? |
|---|---|
| tv_nsec | __syscall_slong_t ? |

struct timespec

| tv_sec | __time_t |
|---|---|