```
+--------------------------+
|         gist_p           |
+--------------------------+
|                          |
+--------------------------+
| + gist_p()               |
| + ~gist_p()              |
| + format()               |
| + insert()               |
| + copy()                 |
| + set_hdr()              |
| + set_level()            |
| + level()                |
| + root()                 |
| + is_leaf()              |
| and 11 more...           |
| + rec_size()             |
+--------------------------+
             |
             | +page
             ◇
+--------------------------+
|     gist_ustk_entry      |
+--------------------------+
| + idx                    |
+--------------------------+
|                          |
+--------------------------+
             |
             | #_stack
             ◇
+--------------------------+
|        gist_ustk         |
+--------------------------+
| # _top                   |
+--------------------------+
| + gist_ustk()            |
| + ~gist_ustk()           |
| + push()                 |
| + top()                  |
| + pop()                  |
| + is_full()              |
| + is_empty()             |
| + is_root()              |
| + size()                 |
+--------------------------+
```