

Sorting Onegin

0.1

Generated by Doxygen 1.8.16

Chapter 1

File Index

1.1 File List

Here is a list of all documented files with brief descriptions:

main.cpp	??
--------------------------	-------	----

Chapter 2

File Documentation

2.1 main.cpp File Reference

```
#include <iostream>
#include <stdio.h>
#include <assert.h>
#include <string>
#include <cstring>
#include <algorithm>
```

Macros

- `#define EOF 0`

Functions

- void `swap` (int *a, int *b)
a, b = b, a.
- bool `is_letter` (char c)
- int `read_string` (std::string rows[], int max_num, FILE *inp)
- bool `comparator` (std::string a, std::string b)
- void `heapify` (std::string array[], int num_elem, int v)
- void `build_heap` (std::string array[], int num_elem)
- void `heap_sort` (std::string array[], int num_elem)
- int `main` ()
Entry point.

Variables

- const int `Max_row` = 6500

2.1.1 Detailed Description

Sorting Onegin

2.1.2 Function Documentation

2.1.2.1 comparator()

```
bool comparator (
    std::string a,
    std::string b )
```

a b

Parameters

<i>c1</i>	a
<i>c2</i>	b
<i>aLen</i>	a
<i>bLen</i>	b
<i>a_now</i>	a
<i>b_now</i>	b

Returns

0 if b <= a, 1 if a < b

2.1.2.2 fread_string()

```
int fread_string (
    std::string rows[],
    int max_num,
    FILE * inp )
```

Parameters

in	<i>rows</i>	,
in	<i>max_num</i>	-
in	<i>inp</i>	
out	<i>cnt</i>	
	<i>cnt_in_row</i>	
	<i>c</i>	
	<i>last_row</i>	
	<i>cnt_letter</i>	
	<i>now</i>	

2.1.2.3 is_letter()

```
bool is_letter (
    char c )
```

c

Returns

0 if c is not letter, 1 if c is letter

2.1.2.4 main()

```
int main ( )
```

Entry point.

Execution of the program starts here.

Parameters

<i>argc</i>	Number of arguments
<i>argv</i>	List of arguments

Returns

Program exit status

