# Help your colleagues help themselves - a Sphinx tutorial

Dalya Gartzman

github.com/DalyaG/Sphinx185

# Main configuration file - conf.py

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
project = u'Sphinx185'
copyright = u'2018, DalyaG'
author = u'DalyaG'
source suffix = ['.rst']
exclude patterns = [' build']
templates path = ['templates']
```

```
# autodoc: The best thing about Sphinx IMMO is autodoc.

# It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Some useful configurations:
autoclass_content = "both" # Include both the class's and the init's docstrings.
autoclass_content = "both" # Include both the class's kep the same order of members as in the code.
autodoc_member_order = bysource* # In the documentation, keep the same order of members as in the code.
autodoc_fentli_tlass = [members'] # Default include the docstrings of all the class/module members.
The theme to use for BTML and BTML Help pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:
    https://github.com/cartroo/sphinx-theme-praphite
    Some the project of the state o
```

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
project = u'Sphinx185'
copyright = u'2018, DalyaG'
author = u'DalyaG'
source suffix = ['.rst']
# This is the name of the main page of the project.
# It means that you need to have an `index.rst` file where you will design the landing page of your project.
# It will be rendered into an .html page that you can find at: `_build/html/index.html`
# (this is a standard name. change it only if you know what you are doing)
master_doo = 'index'.
exclude patterns = [' build']
 templates path = ['templates']
```

```
import os
import sys
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
```

Let Spinx know what is the path to your project

```
project = u'Sphinx185'
  copyright = u'2018, DalyaG'
  author = u'DalyaG'
source suffix = ['.rst']
exclude_patterns = ['_build']
templates path = ['templates']
```

Some basic info about the project. This will appear in the documentation.

What markdown languages will you be using to generate pages

```
source_suffix = ['.rst']
```

```
# It means that you need to have an `index.rst` file where you will design the landing page of your project.
# It will be rendered into an .html page that you can find at: `_build/html/index.html`
# (this is a standard name. change it only if you know what you are doing)
master_doc = 'index'
# List of patterns, relative to source directory, that match files and
# directories to ignore when looking for source files.
# This patterns also effect to html_static_path and html_extra_path
exclude_patterns = ['_build']
# List here any paths that contain templates, relative to this directory.
# You can find some not-so-intuitive information here: http://www.sphinx-doc.org/en/master/templating.html
# But the best way to learn is by example, right?;)
# So, for example, in this project, I wanted to change the title of the Table Of Contents in the sidebar.
# So I copied <Sphinx install dir*/themes/basic/globaltoc.html` into the __templates` folder,
# and replaced "Table of Content' with 'Sphinx185'.
templates_path = ['_templates']
```

What markdown languages will you be using to generate pages

```
source_suffix = ['.rst']
```

```
# It means that you need to have an `index.rst` file where you will design the landing page of your project.
# It will be rendered into an .html page that you can find at: `build/html/index.html`
# (this is a standard name. change it only if you know what you are doing)
master_doo: *index'

# List of patterns, relative to source directory, that match files and
# directories to ignore when looking for source files.
# This patterns also effect to thml_static_path and html_extra_path
exclude_patterns = ('_build')

# List here any paths that contain templates, relative to this directory.
# You can find some not-so-intuitive information here: http://www.sphinx-doc.org/en/master/templating.html
# But the best way to learn is by example, right? :]
# So, for example, in this project, I wanted to change the title of the Table Of Contents in the sidebar.
# So I copied `Sphinx install dir>'themes/basic/globaltoc.html` into the `_templates` folder,
# and replaced 'Table of Content' with 'Sphinx185'.
templates_path = { '_templates'}
```

.rst = reStructuredText

http://www.sphinx-doc.org/en/master/usage/restructuredtext/basics.htm

What is the name of the master document (landing page)

```
master_doc = 'index'
```

```
exclude_patterns = ['_build']

# List here any paths that contain templates, relative to this directory.

# You can find some not-so-intuitive information here: http://www.sphinx-doc.org/en/master/templating.htm

# But the best way to learn is by example, right? :]

# So, for example, in this project, I wanted to change the title of the Table Of Contents in the sidebar.

# So I copied 'Sphinx install dir>/themes/basic/globaltoc.html` into the `_templates` folder,

# and replaced 'Table of Content' with 'Sphinx185'.

templates_path = ['_templates']
```

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
 project = u'Sphinx185
 copyright = u'2018, DalyaG'
 author = u'DalyaG'
 source suffix = ['.rst']
# This is the name of the main page of the project.
# It means that you need to have an `index.rst` file where you will design the landing page of your project.
# It will be rendered into an .hml page that you can find at: `build/html/index.html`
# (this is a standard name. change it only if you know what you are doing)
master doc = 'index'.
```

Inside '\_build' is the output of the documentation.

```
exclude patterns = [' build']
```

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
 project = u'Sphinx185
 copyright = u'2018, DalyaG'
author = u'DalyaG'
  source suffix = ['.rst']
# This is the name of the main page of the project.
# It means that you need to have an `index.rst` file where you will design the landing page of your project.
# It will be rendered into an .html page that you can find at: `_build/html/index.html`
# (this is a standard name. change it only if you know what you are doing)
master doc = 'index'.
```

Inside '\_build' is the output of the documentation.

And we don't want to recursively document what we recursively document what we...

```
exclude_patterns = ['_build']
```

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
project = u'Sphinx185
copyright = u'2018, DalyaG'
author = u'DalyaG'
source suffix = ['.rst']
exclude patterns = [' build']
```

Templates are html exmaples for designing predifined elements

templates\_path = ['\_templates']

```
sys.path.append(os.path.abspath('/Users/dalya/Documents/Sphinx185'))
copyright = u'2018, DalyaG'
author = u'DalyaG'
source suffix = ['.rst']
exclude patterns = [' build']
```

Templates are html exmaples for designing predifined elements

We will see: a template for sidebar

templates\_path = ['\_templates']

```
# autodoc: The best thing about Sphinx IMBO is autodoc.

It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass_content= "both" # Include both the class's and the init's docstrings.
autoclass_content= "both" # Default include here the class's and the init's docstrings.
autoclos_sember_oider = bysquere* # In the documentation, keep the same order of members as in the code.
autodoc_default_class = [members'] # Default include the docstrings of all the class/module members.
The theme to use for HTML and HTML Help pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:
https://discom/Cord org/sphine-heme-praphite
Some in the project of the project
```

```
extensions = ['sphinx.ext.todo', 'sphinx.ext.viewcode', 'sphinx.ext.autodoc',
'sphinx.ext.imgmath']
```

# Let Sphinx know what extentions to use

```
# viewcode: Next to each function/module in the documentation, you will have an internal link to the source code.
# The source code will have colors defined by the Pygments (syntax highlighting) style.
You can checkout the available pygments here: https://help.farbox.com/pygments.html
pygments_style = 'mative' 'mative'
   # autodoc: The best thing about Sphinx IMMO is autodoc.

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# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass content = "book" # Include both the class's and the init's docstrings.
autoclass content = "book" # Include both the class's and the init's docstrings.
autoclass content = bysource "# In the documentation, keep the same order of members as in the code.
autodoc_default_lags = [members'] # Default: include the docstrings of all the class/module members.
The theme to use for NTML and NTML Nelp pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
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**Seme adjustments I made to graphite:

- I did not use the pygment configuration, and so removed 'pygments style * graphite.CraphiteStyle' from theme.conf

- In the static folder, I configured several classes both in graphite.css and in html4cssl.css,

btml_theme - 'graphite'

**Non-built-in theme, define the path to your template code.

html_theme_non-built-in theme, define the path to your template code.
```

#### 'sphinx.ext.todo'

```
f todo: When you use the syntax ".. todo:: some todo comment" in your docstring,
f it will appear in a highlighted box in the documentation.
f In order for this extension to work, make sure you include the following:
      # autodoc: The best thing about Sphinx IMBO is autodoc.

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# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass_content= "both" # Include both the class's and the init's docstrings.
autoclass_content= "both" # Default include the docstrings are order of members as in the code.
autodoc_sember_oider = bysource* # In the documentation, keep the same order of members as in the code.
autodoc_default_laps = [sembers'] # Default include the docstrings of all the class/module members.
The theme to use for HTML and HTML Help pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:
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Some in the project of the project
```

#### 'sphinx.ext.todo'

```
# todo: When you use the syntax". todo: same todo comment" in your docstring,

# ivill appear in a highlighted box in the documentation.

# norder for this extension to work, make sure you include the following:

# viewcode: Next to each function/module in the documentation, you will have an internal link to the source code.

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# You can checkout the available pryments here: https://help.farbox.com/pygments.html

pygments.style * 'native'

# autodoc: The best thing about Sphinx 1HHO is autodoc.

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# autodoc: The loss Sphinx to automatically generate documentation for the docstrings in your code.

# Some useful configurations:

# Some useful configurations:

# Autodoc default_flags = ['members'] # Default: include the docstrings of all the class/module members.

# impatch is sphinx allows use of Larak in the held documentation, but not directly. It is first rendered to an image.

# You can add here whatever preamble you are used to adding to your Larak document.
```

#### .. todo:: find a better name for n\_correct\_vertices\_list



# The theme to use for HTML and HTML Help pages.

# You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
# In this project, I wanted to use a non-default theme, and so I downloaded the "graphite" template from here:
# https://github.com/Cartroo/sphinx-theme-graphite
# Some ediplatements I made to prophite and so removed "pygments style = graphite.GraphiteStyle" from theme.conf
# - In the static folder, I configurated several classes both in graphite.css and in html4cssl.css,
# you can download the original and compare to find those changes.
# When using a non-built-in theme, define the path to your template code.
| html\_theme = graphite | Time | Ti

#### Todo

find a better name for n\_correct\_vertices\_list

tic files (such as style sheets) here, copied after the builtin static files, verwrite the builtin "default.css".

to add my own logo for the project: ce support the use of logo.

dictionary that maps document names to template names. in the sidebar:

in the sidebar: altoc as it is less refined,

ting the globaltoc template (see explanation above, in the templates path commen Oc, and can be configured by editing css attributes.

'sphinx.ext.todo'

todo include todos =

autoclass content = "both" # Include both the class's and the init's docstrings.

autoclass content = "both" # Include both the class's and the init's docstrings.

autodoc member order = 'bysource' # In the documentation, keep the same order of members as in the code.

autodoc default flags = ("sembers') # Default: include the docstrings of all the class/module members.

# impmath: Sphinx allows use of LaTeX in the html documentation, but not directly. It is first rendered to an image. # You can add here whetver preamble you are used to adding to your LaTeX document. impmath latex, preamble =  $\mathbf{r}^{(1)}$ .

todo:: find a better name for n\_correct\_vertices\_list



#### Todo

find a better name for n correct vertices list

#### 'sphinx.ext.viewcode'

```
# autodoc: The best thing about Sphinx IMBO is autodoc.

It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass_content= "both" # Include both the class's and the init's docstrings.
autoclass_content= "both" # Default include the docstrings are order of members as in the code.
autodoc_sember_oider = bysource* # In the documentation, keep the same order of members as in the code.
autodoc_default_laps = [sembers'] # Default include the docstrings of all the class/module members.
# The theme to use for BTML and BTML Help pages.

# You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:

# Some adjustments I made to graphite:

- I did not use the pygment configuration, and so removed 'pygments style = graphite.GraphiteStyle' from theme.conf
and deleted graphite.py

- In the static folder, I configured several classes both in graphite.oss and in html4cssl.css,

html theme - 'graphite'

# Winn using a fond-built-in theme, define the path to your template code.

html theme_path = ['.']
```

#### 'sphinx.ext.viewcode'

```
# todo: When you use the syntax ". todo: some todo comment" in your docstring,

# is will appear in a highlighted box in the documentation,

# no order for this extension to work, make sure you include the following:

# viewcode: Next to each function/module in the documentation, you will have an internal link to the source code.

# The source code will have colors defined by the Pygments (syntax highlighting) style.

# you can checkout the available pygments here: https://help.farbox.com/pygments.html

pygments_etyle = 'nactive'

# autodoc: The best thing about Sphinx IMMO is autodoc.

# It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:

autodoc_defaunter = 'bysource' # in the documentation, keep the same order of members as in the code.

autodoc_default_liaps = [Default: include both the class's and the init's docstrings as in the code.

autodoc_default_liaps = [Default: include the docstrings of all the class/module members.

# impasth Sphinx allows use of LaToX in the html documentation, but not directly. It is first rendered to an image.

# You can add here whatever preamble you are used to adding to your LaToX document.
```

#### src.input\_parser.input\_parser(m) [SOURCE]

```
"The and HTML Help pages."

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"The black themes here: http://www.sphinx-doc.org/en/master/theming.html

"In the themes here: http://www.sphinx-doc.org/en/master/theming.html

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"Actroo/sphinte:

"Sympact configured in and so I downloaded the "graphite" template from here:

"Actroo/sphinte:

"Sympact configured several classes both in graphite.sp and in html4csel.css, in that theme = 'sh opilio'

"Actroo/sphinte:

"In theme = 'sh opilio'

"Actroo/sphinte: a compare to find those changes.

"The number of the original and compare to find those changes.

"The number of the original and compare to find those changes.

"And any paths that contain custom static files (such as style sheets) here,

"Politive to this directory. They are copied after the builtin static files,

"Politive to this directory. They are copied after the builtin static files,

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```

'sphinx.ext.viewcode'

```
pygments style =
                                                                                              https://help.farbox.com/pygments.html
                                                                                                                                         src.input_parser.input_parser(m)
                   [docs]def input parser(m):
                                                                                                                                                               made to graphite:

spyments configuration, and so removed "pygments style " graphite.GraphiteStyle" from theme.conf
and deleted graphite.py
der, I configured several classes both in graphite.ess and in html4cssl.css,
and the original and compare to find those changes.
                      Given length of sequences, load input data corresponding to this length.
                       :param m: Length of sequences in the input.
                                                                                                                                          ntml theme path = ['.']
                          1. sequences list: List of sequences in the input, parsed such that \
                                             sequences list[i] holds a list of integers that are the colors of this sequence.
                          2. n correct vertices list: List holding the number of correct vertices in each sequence in sequences list
                                                                                                                                         # Defining the static path allows me to add my own logo for the project: # (make sure the theme of your choice support the use of logo. html_logo = '_statio'sphinx_and_dalya.png'
                       .. note:: This function assumes the existence of 'data/input m.txt'
                       .. todo:: find a better name for n correct vertices list
                      print "Loading input..."
with open('data/input_{}.txt'.format(m), 'r') as f:
                          data = [line.rstrip() for line in f]
                      sequences list = [[int(i) for i in item[:m]] for item in data]
                       n correct vertices list = [int(item[m + 2]) for item in data]
                       return sequences list, n correct vertices list
```

```
sphinx.ext.autodoc'
  # autodoc: The best thing about Sphinx IMBO is autodoc.

It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass_content= "both" # Include both the class's and the init's docstrings.
autoclass_content= "both" # Default include the docstrings are order of members as in the code.
autodoc_sember_oider = bysource* # In the documentation, keep the same order of members as in the code.
autodoc_default_laps = [sembers'] # Default include the docstrings of all the class/module members.
# The theme to use for BTML and BTML Help pages.

# You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:

# Some adjustments I made to graphite:

- I did not use the pygment configuration, and so removed 'pygments style = graphite.GraphiteStyle' from theme.conf
and deleted graphite.py

- In the static folder, I configured several classes both in graphite.oss and in html4cssl.css,

html theme - 'graphite'

# Winn using a fond-built-in theme, define the path to your template code.

html theme_path = ['.']
```

.. autoclass:: src.ilp manager.ILPManager



class src.ilp manager.ILPManager(m) [SOURCE]

Model the 185th problem in Project Euler as an ILP (Integer Linear Program)

To instantiate this module, please specify the length on sequences.

build ilp solver(sequences list n correct vertices list) [SOURCE]

Given input sequences, and number or correct vertices in each of them, build an ILP representation of the problem.

#### Parameters:

- sequences list List of sequences, each of length self.m. of integers between 0 and 9.
- n\_correct\_vertices\_list Number of correct vertices in each sequence in sequences\_list. A vertex is correct if its color is equal to the color of the corresponding vertex in the solution s\_star.

#### Returns:

#### tuple, containing:

- bild solver: Pulp instance, holding all the information needed for the solution.
- s\_star\_to\_color\_edges: The edges (variables) in the ilp\_solver.

solve ilp(ilp\_solver, s\_star\_to\_color\_edges) [source]

Given a solver with the needed information, solve the ILP and extract the solution to problem 185.

#### Parameter

- ilp solver Pulp instance, holding all the information needed for the solution.
- ► s\_star\_to\_color\_edges The edges (variables) in the ilp\_solver.

#### Returns:

s\_star: List of integers that is the solution to problem 185.

#### 'sphinx.ext.autodoc'

```
# viewcode: Next to each function/module in the documentation, you will have an internal link to the source code.
# The source code will have colors defined by the Pygments (syntax highlighting) style.
You can checkout the available pygments here: https://help.farbox.com/pygments.html
pygments.gtve = 'mattwo
# autodoc: The best thing about Sphinx IMBO is autodoc.

It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinz-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autodos_mamber_oider = bysource* * In the documentation, keep the same order of members as in the code.
autodos_mamber_oider = bysource* * In the documentation, keep the same order of members as in the code.
autodos_default_lage = [members'] * Default include the docstrings of all the class/module members.
# The theme to use for HTML and HTML Help pages.

# You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
# In this project, I wanted to use a non-default theme, and so I downloaded the `graphite' template from here:
# https://github.com/Cartroo/sphinx-theme-graphite
# Some adjustments I made to graphite.
# Tidd not use the pymeent configuration, and so removed 'pymeents style = graphite.GraphiteStyle' from theme.conf
# - In the static folder, I configured several classes both in graphite.by
you can download the original and compare to find those changes.

# you can download the original and compare to find those changes.

# When using a non-built-in theme, define the path to your template code.

html theme path * ['.']
    html theme path = ['.']
```



Include both the class's and the init's docstrings

```
# You can add here whatever preamble you are used to adding to your LaTeX document impmath_latex_preamble = r'''
The theme to use for NTML and NTML Help pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the "graphite" template from here:

Some adjustments I made to graphite:

- I did not use the pygment configuration, and so removed "pygments style = graphite.GraphiteStyle" from theme.conf and deleted graphics.py

- In the static folder, I configured several classes both in graphite.css and in html@csl.css,

btml_thme - "graphite"

# When using a non-built-in theme, define the path to your template code.

html_thme - Tupinglive | Tupinglive |
```

```
| sphinx.ext.autodoc |
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| sold: When you use the syntax ... todos some codo commant in your docatring,
| to vil appear in a highlighted box in the documentation,
| norder for this extension to work, make sure you include the following:
| todo_Include_todos = Text
| viewcode *Next to each function/module in the documentation, you will have an internal link to the source code.
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| you can checkout the available pygments here: https://help.farbox.com/gements.html
| pygment_style = 'native' |
| autodoc in the best thing about Sphinx 1880 is autodoc.
| tallows Sphinx to automatically generate documentation for the docatrings in your code.
| get more into here: https://www.sphinx-doc.org/en/master/ext/autodoc.html
| some useful configurations:

the init's docstrings.
| keep the same order of members as in the code.
| docstrings of all the class/module members.
| the init's docstrings of all the class/module members.
| the init's docstrings of all the class/module members.
| to your Leave document.
```

In the documentation, keep the same order of members as in the code

Default: include the docstrings of all the class/module members

```
sphinx.ext.imgmath'
     # autodoc: The best thing about Sphinx IMBO is autodoc.

It allows Sphinx to automatically generate documentation for the docstrings in your code.

# Get more info here: http://www.sphinx-doc.org/em/master/ext/autodoc.html

# Some useful configurations:
autoclass_content= "both" # Include both the class's and the init's docstrings.
autoclass_content= "both" # Default include the docstrings are order of members as in the code.
autodoc_sember_oider = bysource* # In the documentation, keep the same order of members as in the code.
autodoc_default_laps = [sembers'] # Default include the docstrings of all the class/module members.
The theme to use for HTML and HTML Help pages.

You can find available themes here: http://www.sphinx-doc.org/en/master/theming.html
In this project, I wanted to use a non-default theme, and so I downloaded the 'graphite' template from here:
https://discom/Cord org/sphine-heme-praphite
Some in the project of the project
```

Let :math: \color{red}s^{\*} be a sequence



Let 💌 be a sequence

```
sphinx.ext.imgmath'
  # viewcode: Next to each function/module in the documentation, you will have an internal link to the source code.
# The source code will have colors defined by the Pygments (syntax highlighting) style.
You can checkout the available pygments here: https://help.farbox.com/pygments.html
pygments_style = 'native' 'native'
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# Some adjustments I made to graphite:

- I did not use the pygment configuration, and so removed 'pygments style = graphite.GraphiteStyle' from theme.conf
and deleted graphite.py

- In the static folder, I configured several classes both in graphite.oss and in html4cssl.css,

html theme - 'graphite'

# Winn using a fond-built-in theme, define the path to your template code.

html theme_path = ['.']
```

```
imgmath_latex_preamble = r''
\usepackage{xcolor}
\definecolor{offwhite}{{rgb}}{{238,238,238,238}}
\everymath{\color{offwhite}}{\color{offwhite}}
\everydisplay{\color{offwhite}}
\usepackage{xcolor}
\use
```

Let :math: \color{red}s^{\*} be a sequence



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                                                                     Options for HTML output
# The theme to
# You can five your can found the original and compare to find those changes.

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# This this project is non-bilt-in theme, define the path to your template code.

# Main using a non-bilt-in theme, define the path to your template code.

# This theme path * ['-']
```

The themes holds the design for the output html documentation.

I downloaded 'graphite' and made some personalizations.

https://github.com/Cartroo/sphinx-theme-graphite

```
ewcode: Next to each function/module in the documentation, you will have an internal link to the source code.

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ints_tyle - 'nacive'
                                                                Options for HTML output
      When using a non-built-in theme
html theme path = ['.']
```

The folder where you keep images etc.

```
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                                                                                                                                                                                                Options for HTML output
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#*In this princt, I wanted to use a non-default theme-graphite

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html_theme = "graphite"
html_static_path = ['_static']
```

Such as the logo for this project

```
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                                                                                                                                                                                                                               # You can add here whatever preamble you are used to adding to your LaTeX documingmath_latex preamble = \mathbf{r}^{***}
                                                                                                                                                                                                                                                                                                Options for HTML output
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# In this project, I wanted to use a non-default theme, and so I downloaded the "graphite" template from here:
# A thing project the project of the project 
html static path = [' static'
                                                                                                                                                                                                                              static/sphinx and dalya.png
                                                                                                                                                                                                                                  html sidebars = {
```



#### Sphinx185

- Euler's 185th Riddle
- Solver Runner
- Input Parser
- Naming Utils
- The ILP Manager class
- The main configurations file: conf.py

Quick search

Go

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The theme to You can fine You can you
                                                                                               'globaltoc.html',
                                                                                            'searchbox.html'
```



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                                                                                   Options for HTML output
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                                                                                               'globaltoc.html',
                                                                                            'searchbox.html'
```

copy `<Sphinx install dir>/themes/basic/globaltoc.html` in to the `\_templates` folder in my project, and replaced 'Table of Content' with 'Sphinx185':

#### Sphinx185

Quick search

file: conf.py

Go

```
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