graph.Graph Class Reference

Public Member Functions

```
def __init__ (self, n=0, m=0, nodes=None, dict_in=None, dict_out=None, dict_cost=None)
def copy_graph (self)
def parse_vertices (self)
def is_edge (self, node_in, node_out)
def in degree (self, node)
def out_degree (self, node)
def parse_outbound_edges (self, vertex)
def parse inbound edges (self, vertex)
def modify_cost (self, node_in, node_out, new_cost)
def add_edge (self, node_in, node_out, cost)
def remove_edge (self, node_in, node_out)
def add node (self, vertex)
def remove_node (self, vertex)
def read_from_file (self, file_name)
def write to file (self, file name)
def get_cost (self, n1, n2)
def get_nr_of_vertices (self)
def get nr of edges (self)
def set_nr_of_vertices (self, n)
def set_nr_of_edges (self, m)
def get dict in (self)
def get dict out (self)
def get_dict_cost (self)
def __str__ (self)
```

Static Public Member Functions

def random_graph (n, m)

Detailed Description

Class for the bidirectional graph

Member Function Documentation

add_edge()

```
◆ copy_graph()

def graph.Graph.copy_graph ( self)

Function that returns a copy of the graph
:return (Graph) an exact deepcopy of this graph
```

```
• is_edge()
```

parse_outbound_edges()

```
    parse_vertices()

def graph.Graph.parse_vertices ( self)

Function that returns an iterator to the vertices list
    :return an iterator through the list of vertices
```

```
remove_node()
```

The documentation for this class was generated from the following file:

• graph.py

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