```
Node
            + F_value
            + G_value
            + H_value
            + type
            + pos x
            + pos_y
            + Node()
            + Node()
            + Node()
                                   +parent
            + Node()
            + ~Node()
            + set_parent()
            + set_start()
            + set_goal()
+ set_obstacle()
            + operator==()
            + operator=()
            + operator!=()
            + operator<()
            + operator>()
                                +matrix
                                    Matrix
                           + size
                           + Matrix()
                           + ~Matrix()
                           + set_G_value()
                           + get_G_value()
              +current
                           + get Movement value()
                           + get_H_value()
                           + get_F_value()
                           + print_types()
+ print_G_values()
                           + print_H_values()
                           + print_F_values()
                           + print_parents()
                            '+Mapa
            Astar
+ OpenList
+ ClosedList
+ Astar()
+ Astar()
+ Set_Parent_G_Value()
+ Add_To_Closed_List()
+ Add_To_Open_List()
+ Find_path()
+ Remove_Node_Open_List()
+ Get_Node_Open_List()
+ Find_Node_Open_List()
+ Find_Node_Closed_List()
```

+ ~Astar()