**Course Notes – Search**

* **Introducción**
* **Search**
  + Sort numbers
  + Solve a Maze
  + Driver direction
    - Best way, dependen don traffict
  + Search problems
  + Terminology
    - Agent

Entity that perceives its environment and acts upon that environment

* + - State

A configuration of the agent and its environment

* + - Initial state

The stage in which the agent begins

* + - Action

Choices that can be made in a state

As a function, Action(s) returns the set of actions that can be executed in state s

* + - Transition model

A description of what state results from performing any applicable action in any state

More precise, a function calls return(s,a) return resulting from performing action a in state s.