

# Artificial Intelligence

- \* biological perspective (brain)
- \* making decisions
- \* analyze difficult situations
- \* Applying logic
- \* Learning
- \* understand thinking
- \* solving problems
- \* languages

→ Thinking as a human      Acting as a human

Thinking rationally      Acting rationally

- 1) Thinking as a human
  - \* observing how other people think
  - \* how we as humans think
  - \* brain scans to understand what reactions are happening when a human is thinking
- 2) Thinking rationally
  - \* thinking in a logical way

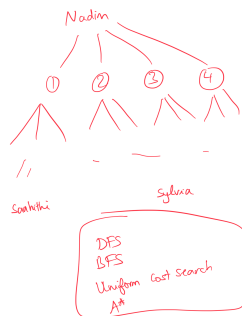
ex

mimi is a cat } mimi is cute  
all cats are cute

- 3) Acting like a human  
we can't tell whether  
whether the work that was produced  
was not done by a human

- 4) Acting rationally  
acting in the "best" way to solve a  
problem.

## Solving problem



## Adversarial games

- \* Constraints
- \* Uncertainty
- \* Backgammon
- \* Learning (Machine Learning)
- \* Process language