Mathematician

- The mathematician tries to hypothesize a theorem based on data available.
- Creates new formulae and proves new theorems.
- Once a theorem proved or new formulae generated, they will be added to the knowledge shared by all mathematicians.
- An abstract theorem might have some real world or geometrical form. Considering the these forms could help the mathematicians to solve the problems faster.
- A mathematician could focus on few fields instead of trying to work on many fields.
- Based on evaluating patterns shared by mathematicians, they could work with each other or request knowledge gained by them to find new theorems.
- The groups might try to compete with each other to solve the problems faster.

Observing the world and trying to hypothesize a theorem based on a pattern

The mathematician chooses an action

The mathematicians proves the theorem and updates the global knowledge

Observing the world and trying to generalize a pattern to an abstract concept





