Reinforcement Learning.

What is Reinforcement Learning?

What is Reinforcement Learning?

It is the set of technics for achieving "_____".

What is Reinforcement Learning?

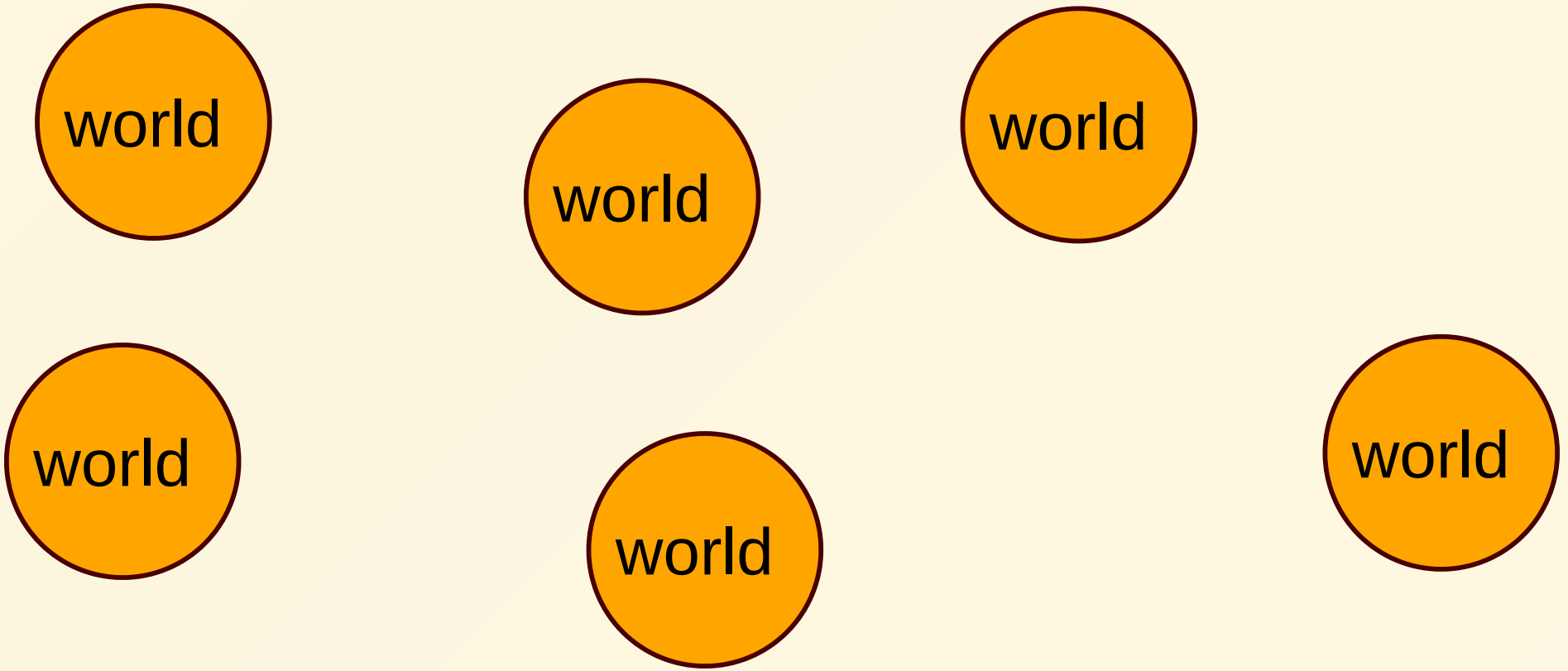
It is the set of technics for achieving " control over the otherworld ".

What is Reinforcement Learning?

It is the set of technics for achieving " Control over another world ".

- World view.
- Connection over worlds.
- Control over another world.

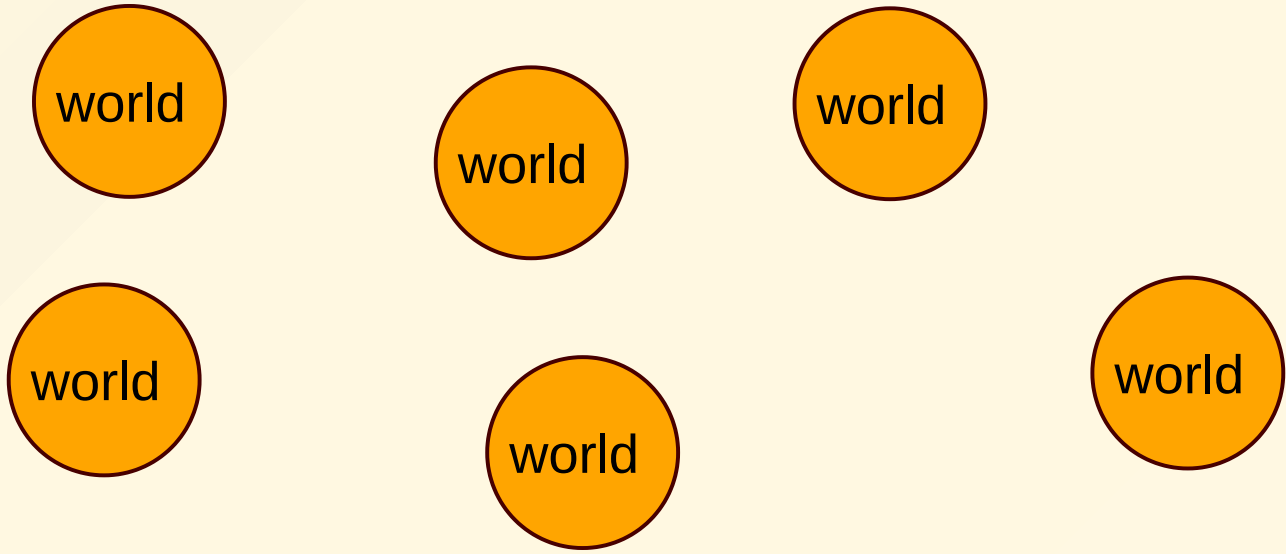
Worlds view.



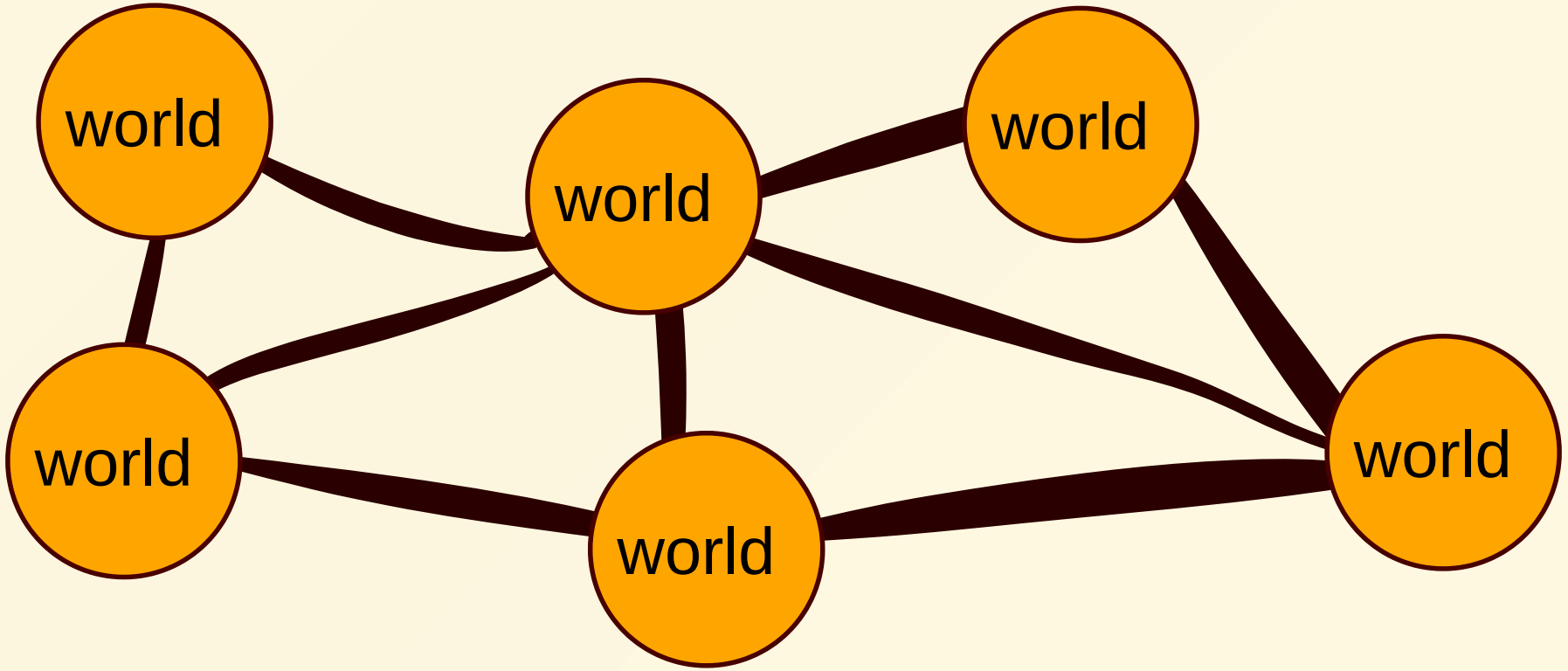
Each world can be a:

- Arduino
- brain
- computer.
- mobile
- Turing machine.

i.e. any Information Processing System.

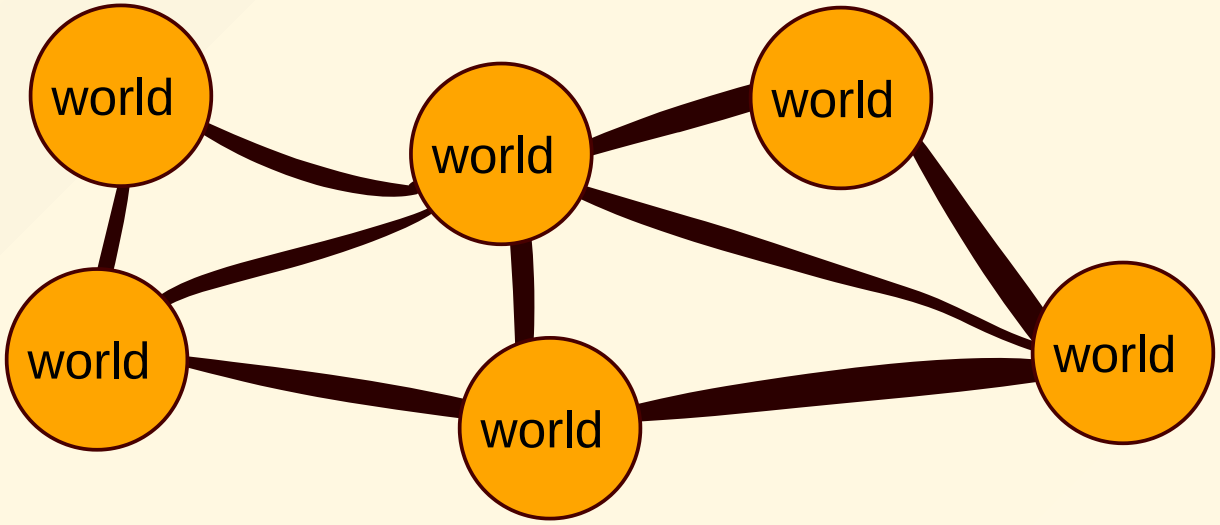


The connection between worlds.

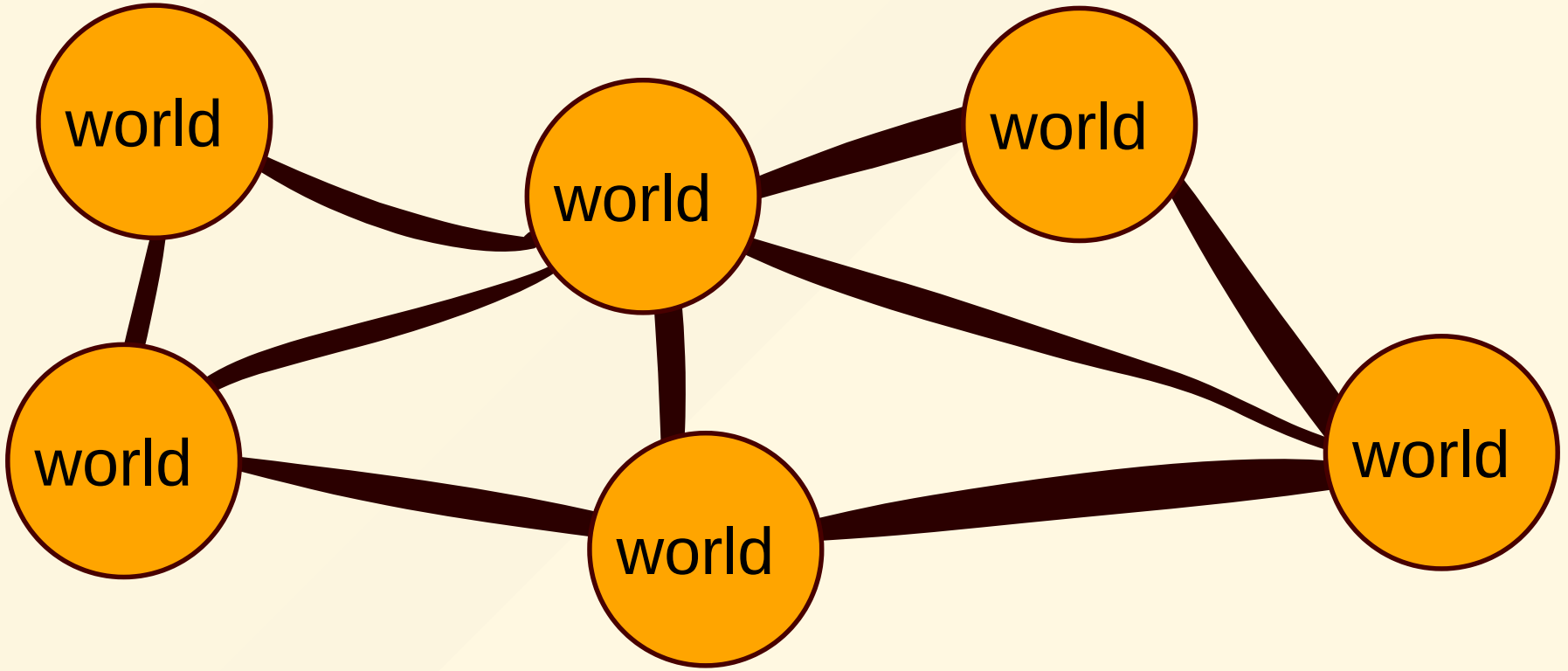


Ex.

- IO devices.
- Arms.
- wheels.

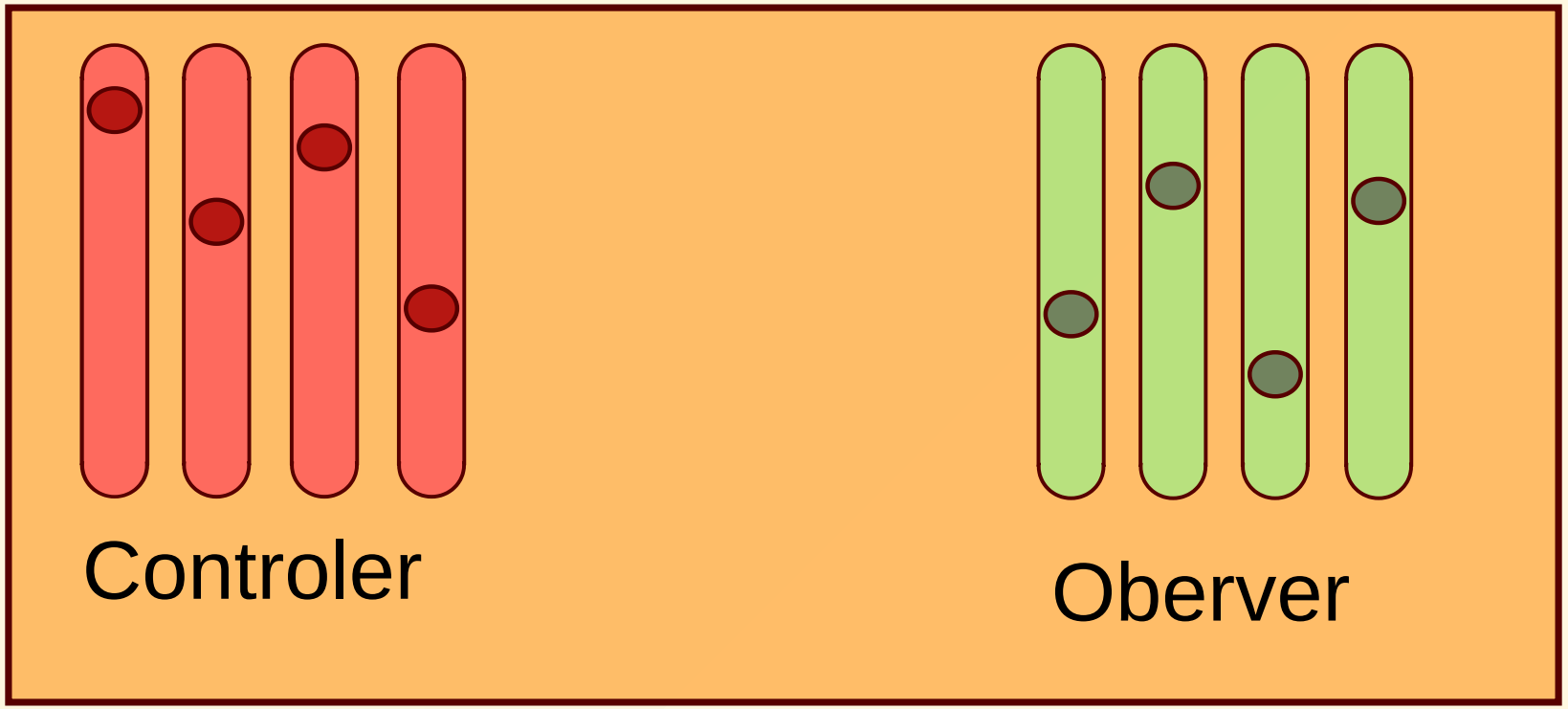


So now we have a Connected worlds.



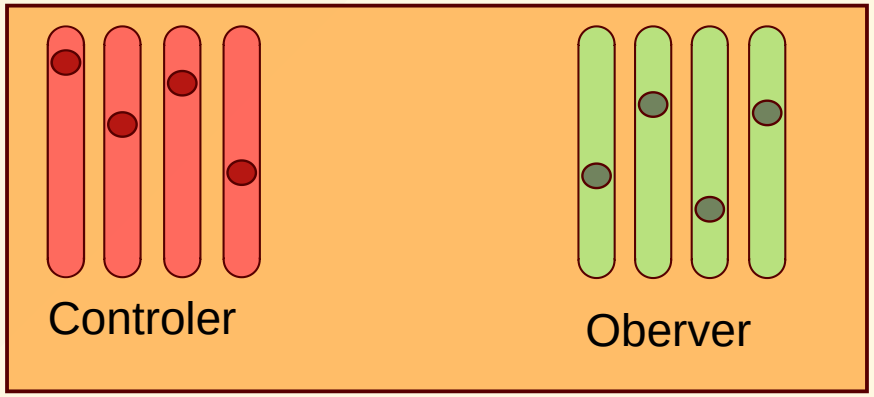
let's look from Inside a world.

From Inside a World



Since these worlds have their **dynamic laws**. we can see some **relation** between the controller and Oberver includinganother **delay**.

We want to achieve some good observers through these controls.



Control over another World.

Why do we want to control something?

Because we want something and we want more of it.

I don't know the origin of this need. but in this case, we have to tell explicitly what we want to achieve with this control.

So we have to give a Reward function.

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It is the set of technics for achieving " Control over another world ".

- World view.
- Connection over worlds.
- Control over another world.
  - Reward function.

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