

# Path Dependency and Climate Change - A New Action Model

A Path Dependency Approach -  
On Climate Change, Social  
Stress, and Violent Conflict

# On Climate Change, Social Stress, and Violent Conflict (1)

---

- How does climate change influence society?
- Do actors or groups of actors react in social stress or even violent conflict?
- And how can it be predicted, prevented or what intervention strategies can be used during occurrence?

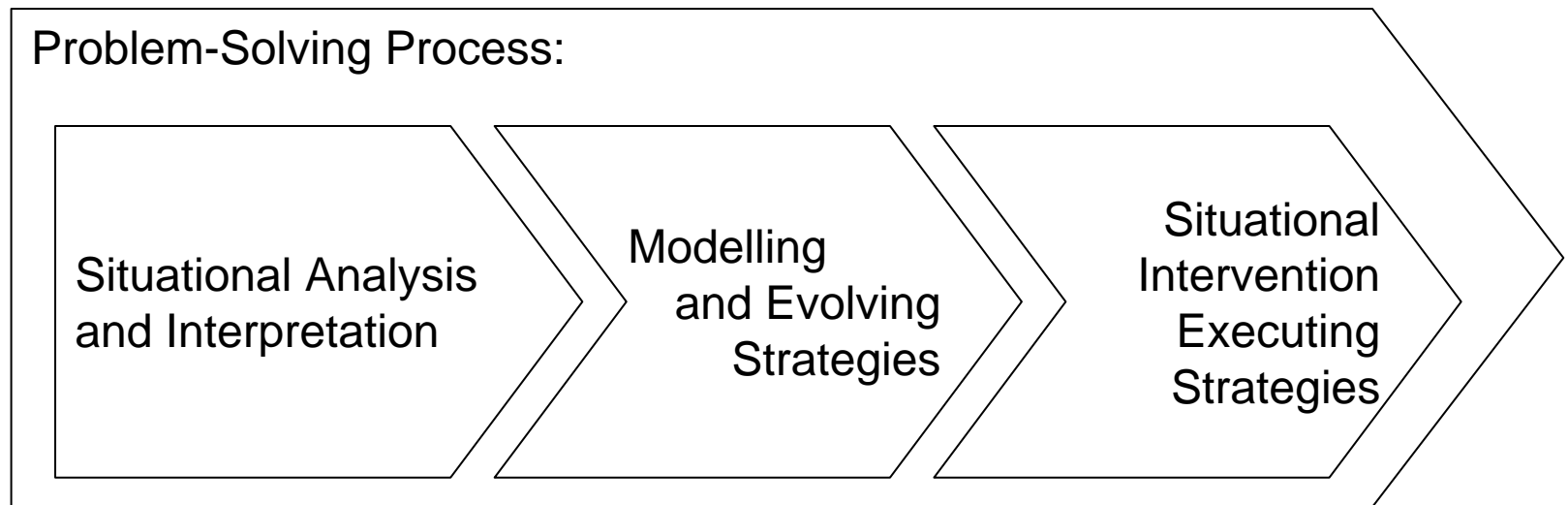
# On Climate Change, Social Stress, and Violent Conflict (2): On Agents

---

- How does climate change influence society?
- Do actors or groups of actors react in social stress or even violent conflict?
- And how can it be predicted, prevented or what intervention strategies can be used during occurrence?
- How are agents affected by climate change?
- How do agents make their action decisions when affected by climate change?
- How can a problem-solving process look like for successfully addressing problems of climate change?

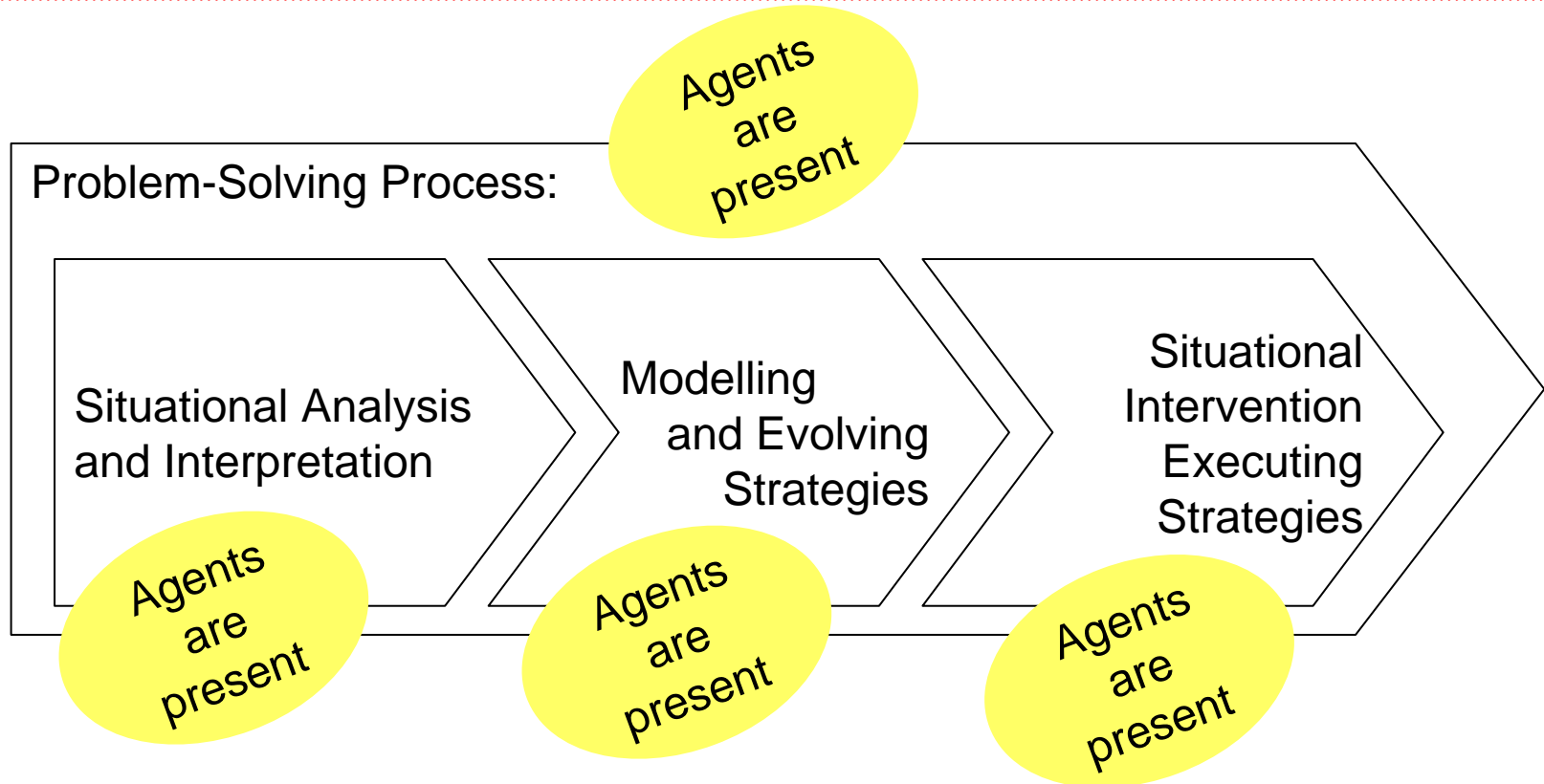
# A Problem-Solving Process

---



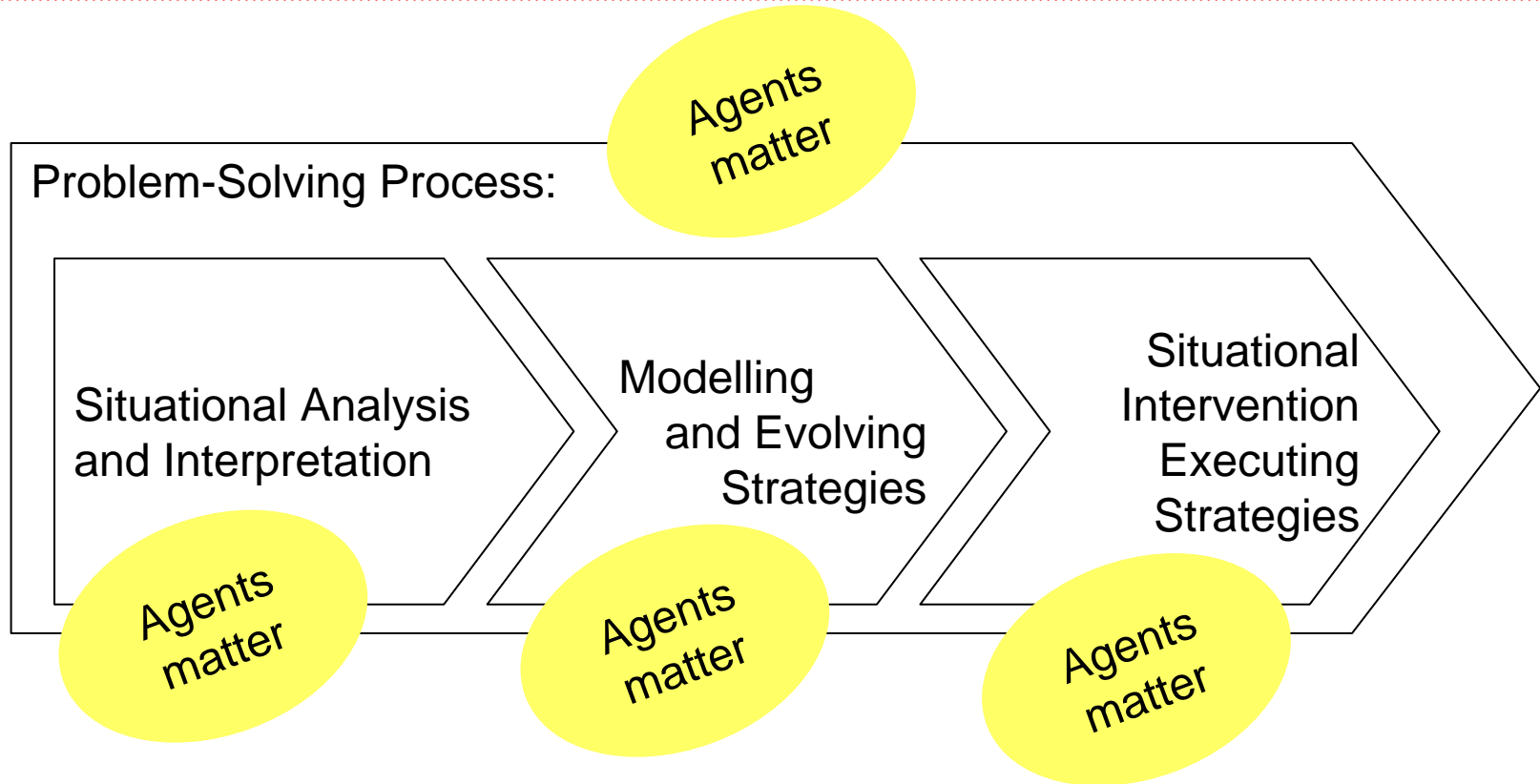
# A Problem-Solving Process

---



# A Problem-Solving Process

---



# How Do Agents Act?

---

Either

- Automatic-Spontaneous

or

- Rational-Calculative

or

- Path-Dependent ?

# What is path dependency?

---





# Paul A. David: On Path Dependent Acting Agents

---

“[..] while they are, as we now say, perfectly “free to choose,” their behavior, nevertheless, is held fast in the grip of events long forgotten and shaped by circumstances in which neither they nor their interests figured.” (David 1985: 333)

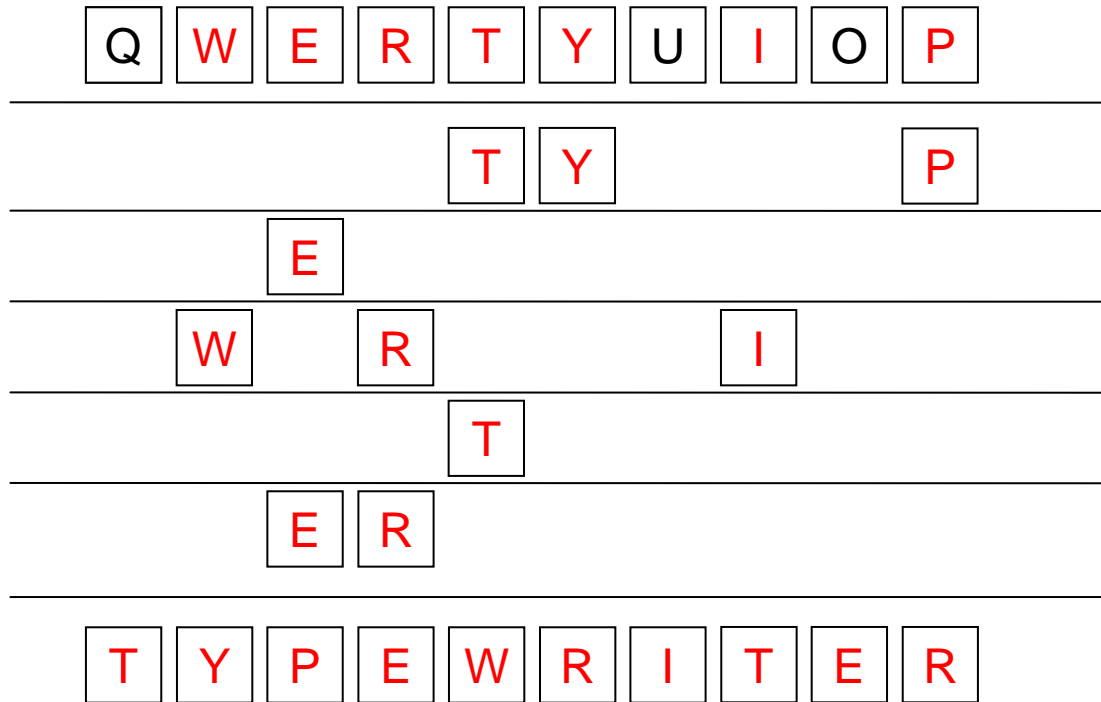
# The QWERTY-Keyboard

---

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F						

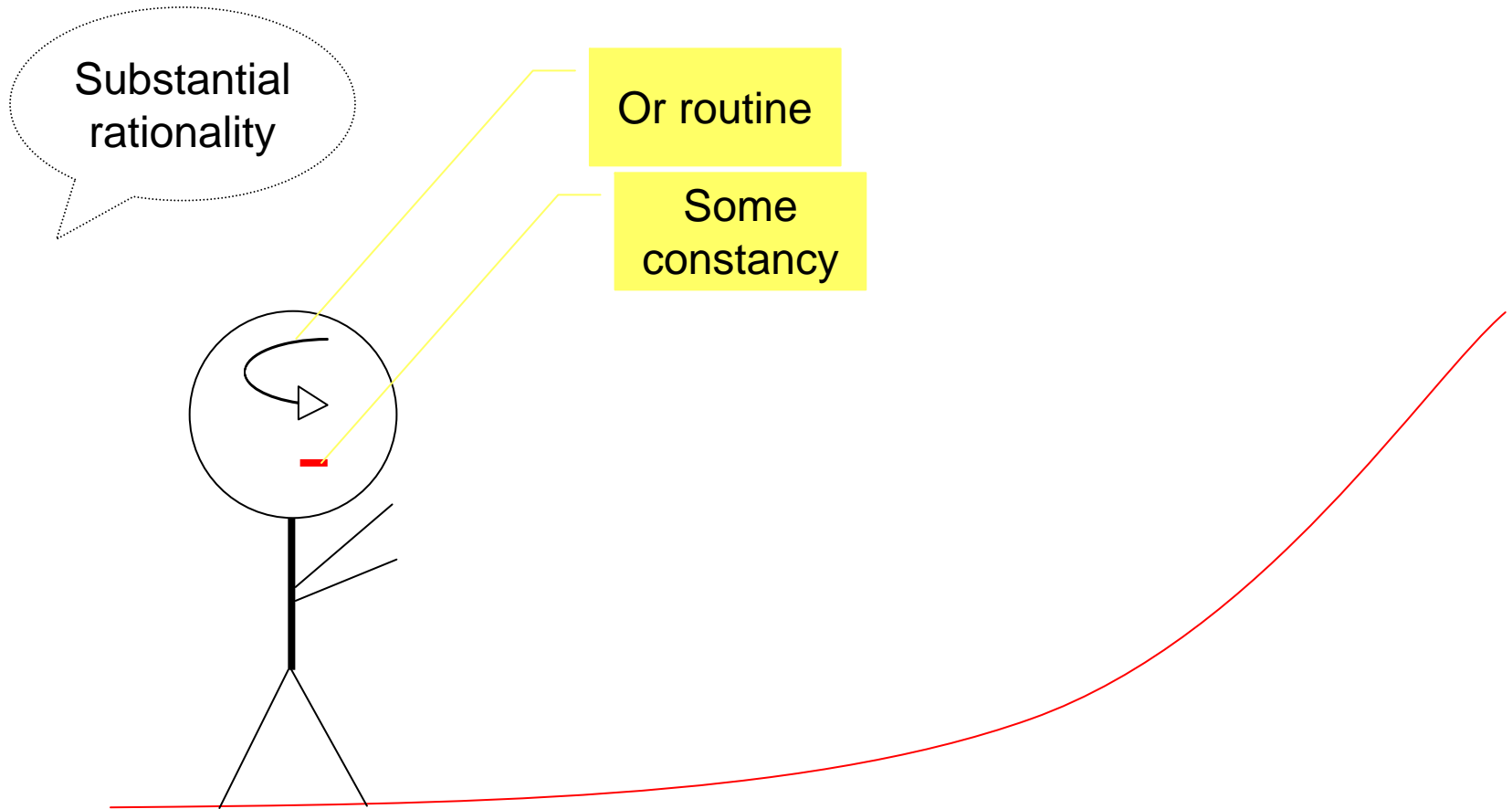
# T-Y-P-E-W-R-I-T-E-R

---



# What happens during following a path?

---

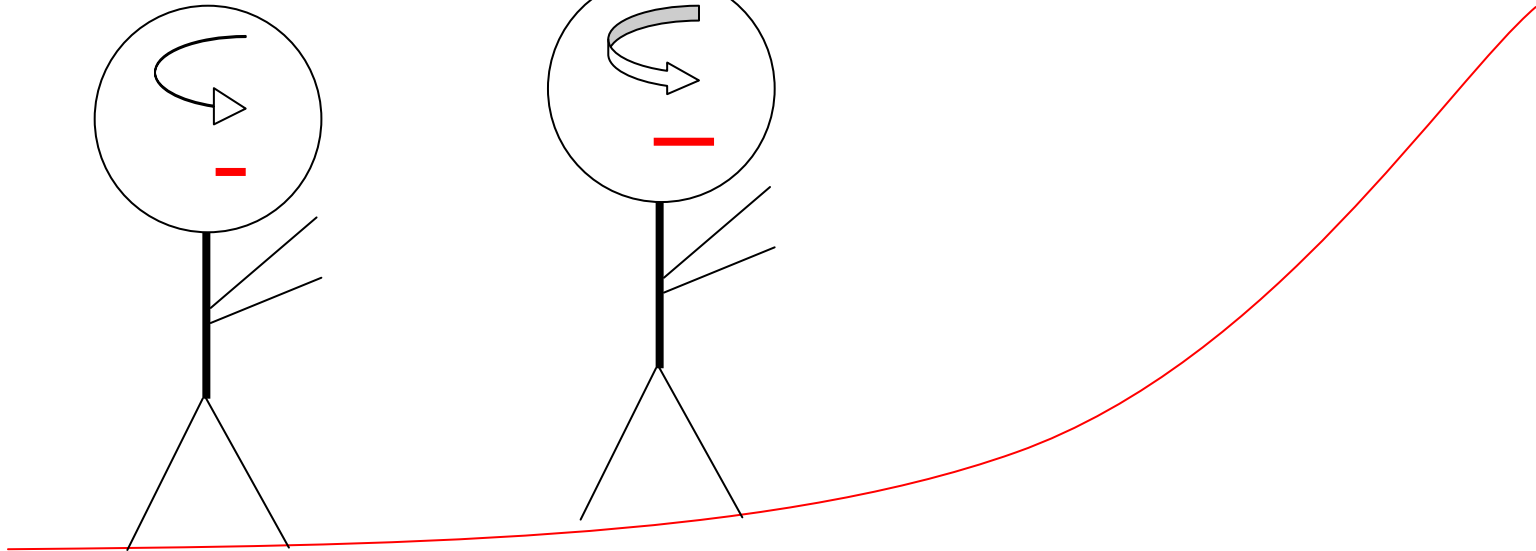
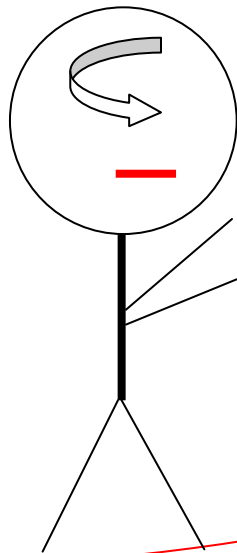
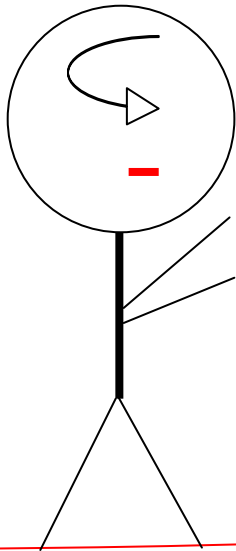


# What happens during following a path?

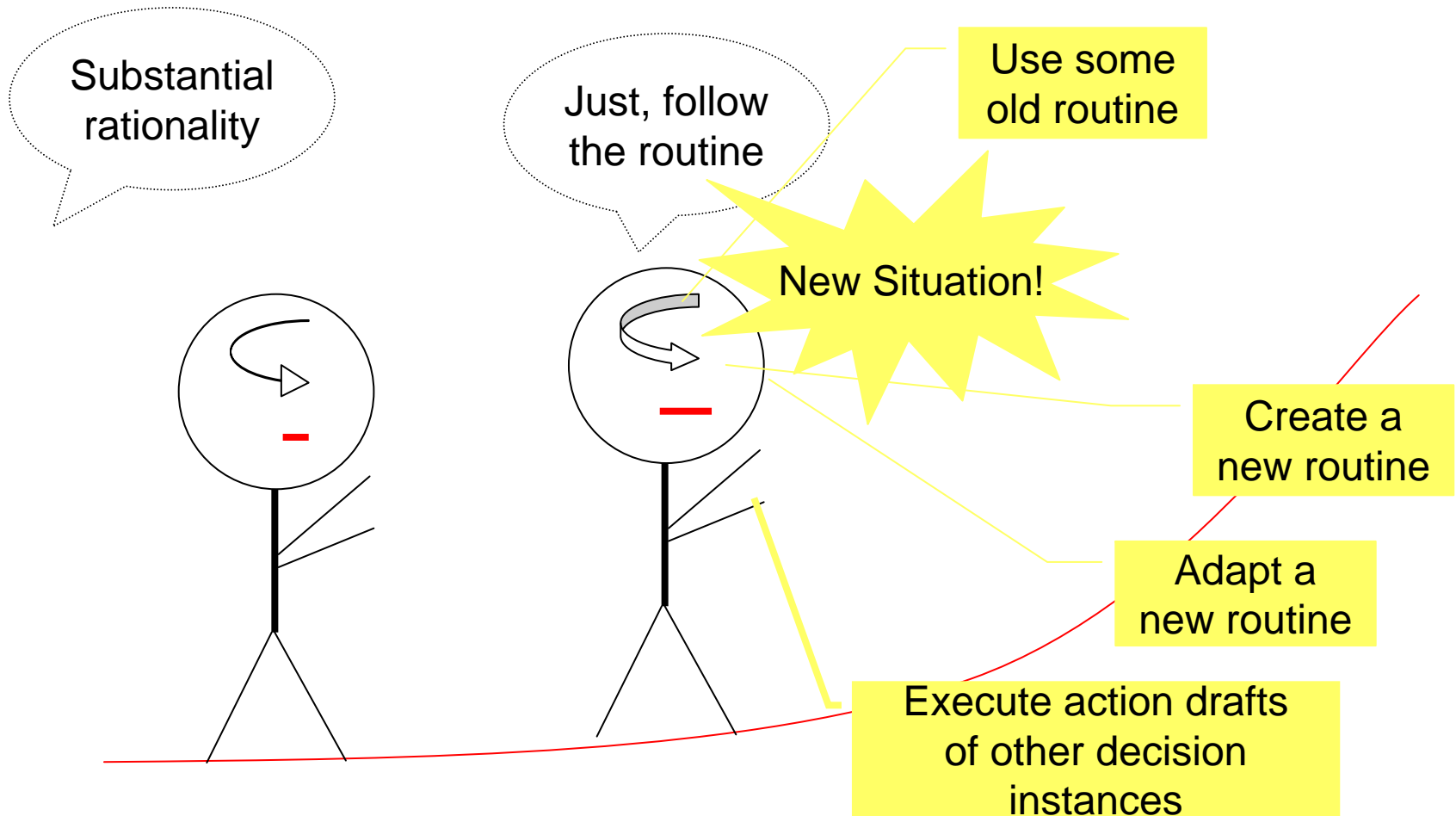
---

Substantial  
rationality

Just, follow  
the routine

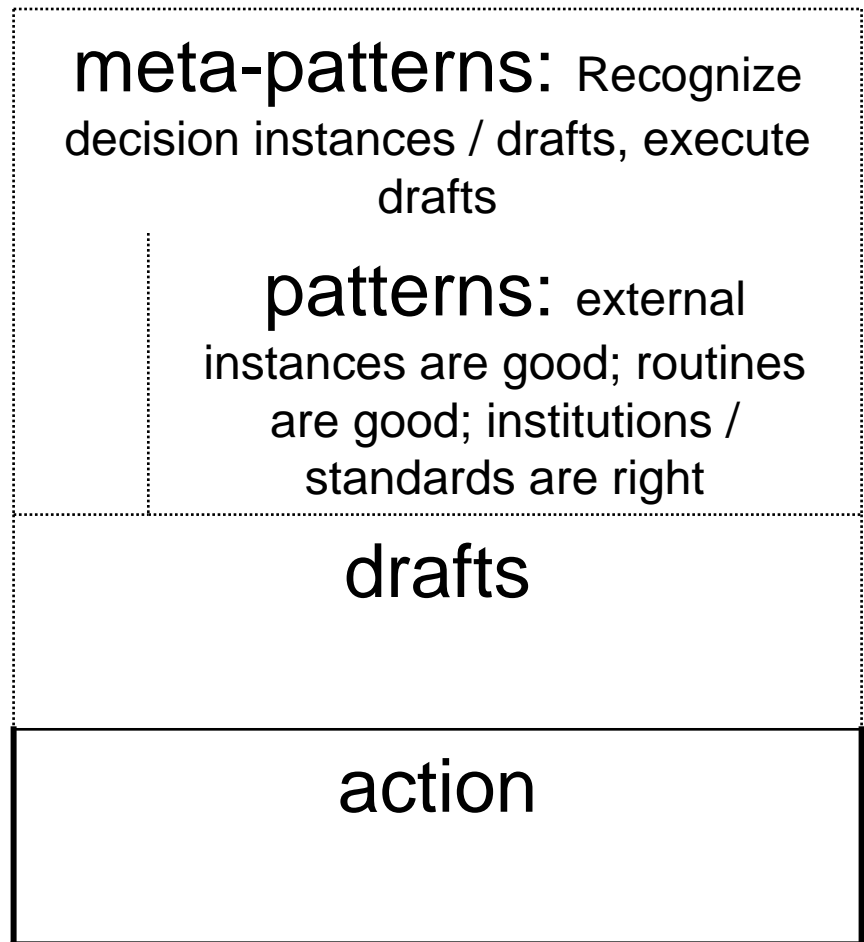


# What happens during following a path?



# Ideal Type Path Dependent

- Level 3: shaping the decision process
- Level 2: containing decision criteria (e.g. Values, norms)
- Level 1: containing action drafts as preversion for later action



# A Problem-Solving Process

---

