

# Resolving Wicked Problems: Practical Solutions

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# Exercise

Open discussion:

What is the most pressing issue related to health inequity that you deal with in your work?

# Strategies for coping with wicked problems

- Key ingredients
  - Collaboration
  - Dialogue
  - Shared Understanding
- Transdisciplinary approach

# Dialogic communication

- Key elements
  - Engaging contact
  - Active listening
  - Mirroring
  - Exploratory questions

Discussion	Debate	Dialogue
Present ideas	Succeed or win	Broaden perspectives
Seek answers/solutions	Look for weakness	Look for shared meaning
Persuade others	Stress disagreement	Find spaces of agreement
Share information	Focus on 'right' and 'wrong'	Bring out ambivalences
Solve our problems	Advocate one perspective	Invite/allow differences of opinion and expertise
Give answers	Search for logic flaws	Discover collective meaning
Achieve preset goals	Judge other perspectives as inferior or distorted	Challenge our preconceived notions
Listen for disagreement	Listen in order to counter	Listen in order to understand
Avoid areas of conflict and difference	Focus on conflict and difference as advantage	Articulate areas of conflict and difference
Retain relationships	Disregard relationships	Build relationships

(Adapted from Kachwaha, 2002)

# What is dialogue?

## Exercise

- Now conduct the discussion using the 'talking stick'
- What are the differences between the two types of exchange?

# Issue and Dialogue Mapping

(Conklin, 2006)

- A technique for developing and mapping shared understanding of a problem
- Uses Issue Based Information Systems (IBIS – language) and Compendium (software)
- Works outward from a basic question
- Dialogue mapping = issue mapping + dialogue
- Questions / ideas / pros, cons / action items

# Using IBIS

- IBIS is a language for structured thinking that allows us to
  - Move forward on an issue
  - Illustrate the logic behind our thinking
  - Share the process and understanding with others
  - Reach robust decisions

# Using Compendium

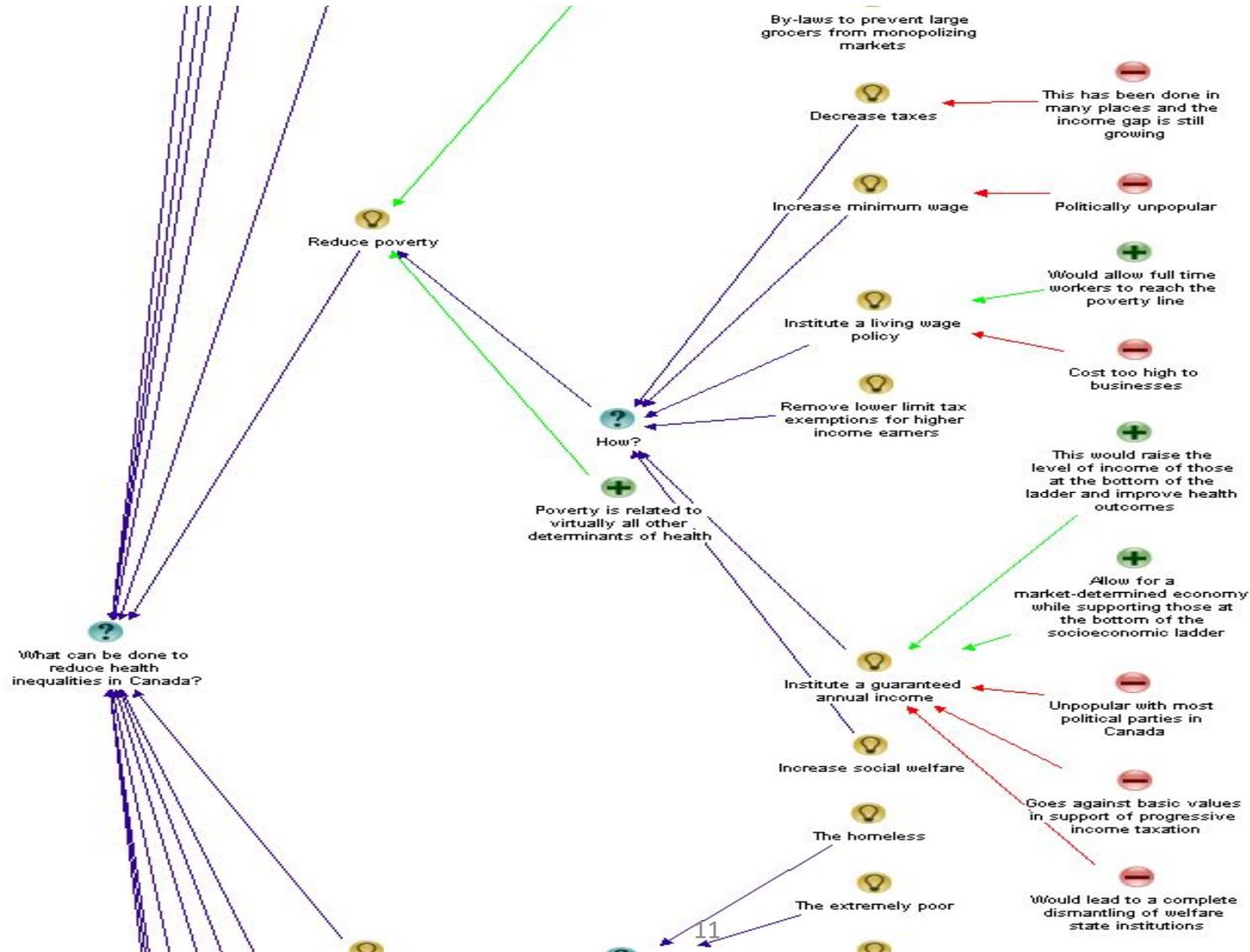
- Compendium is the software designed for use with IBIS
- Web-based data software
- Other mapping software can be used
  - SimpleMind
  - MindMeister

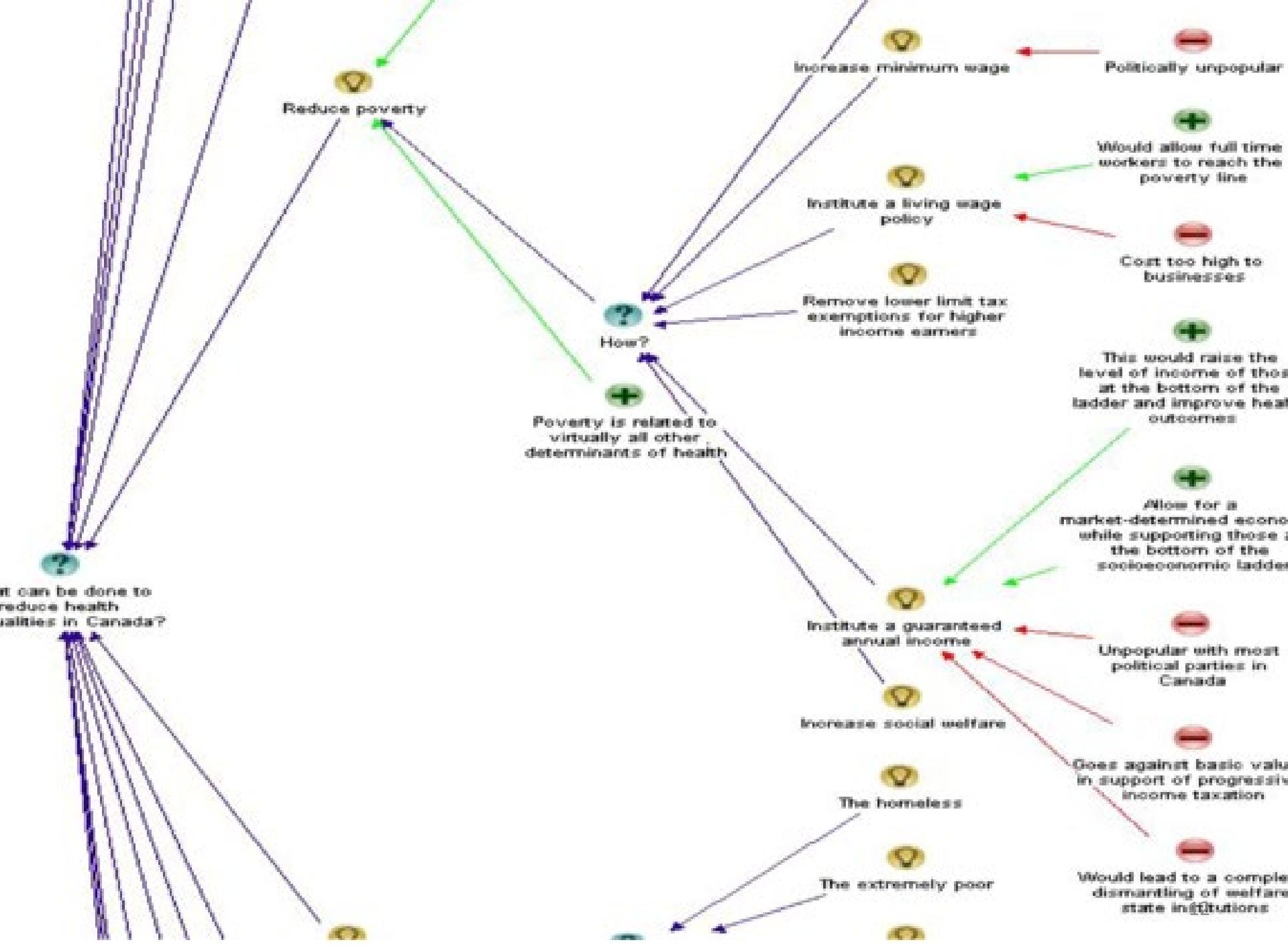
# Types of questions

- Deontic (What should we do?)
- Instrumental (How should we do it?)
- Criterial (What are the criteria?)
- Conceptual (What does 'X' mean?)
- Factual (What is X? Is X true?)
- Background (What is the background to this problem?)
- Stakeholders (Who are they?)
- Future (What will happen...?)

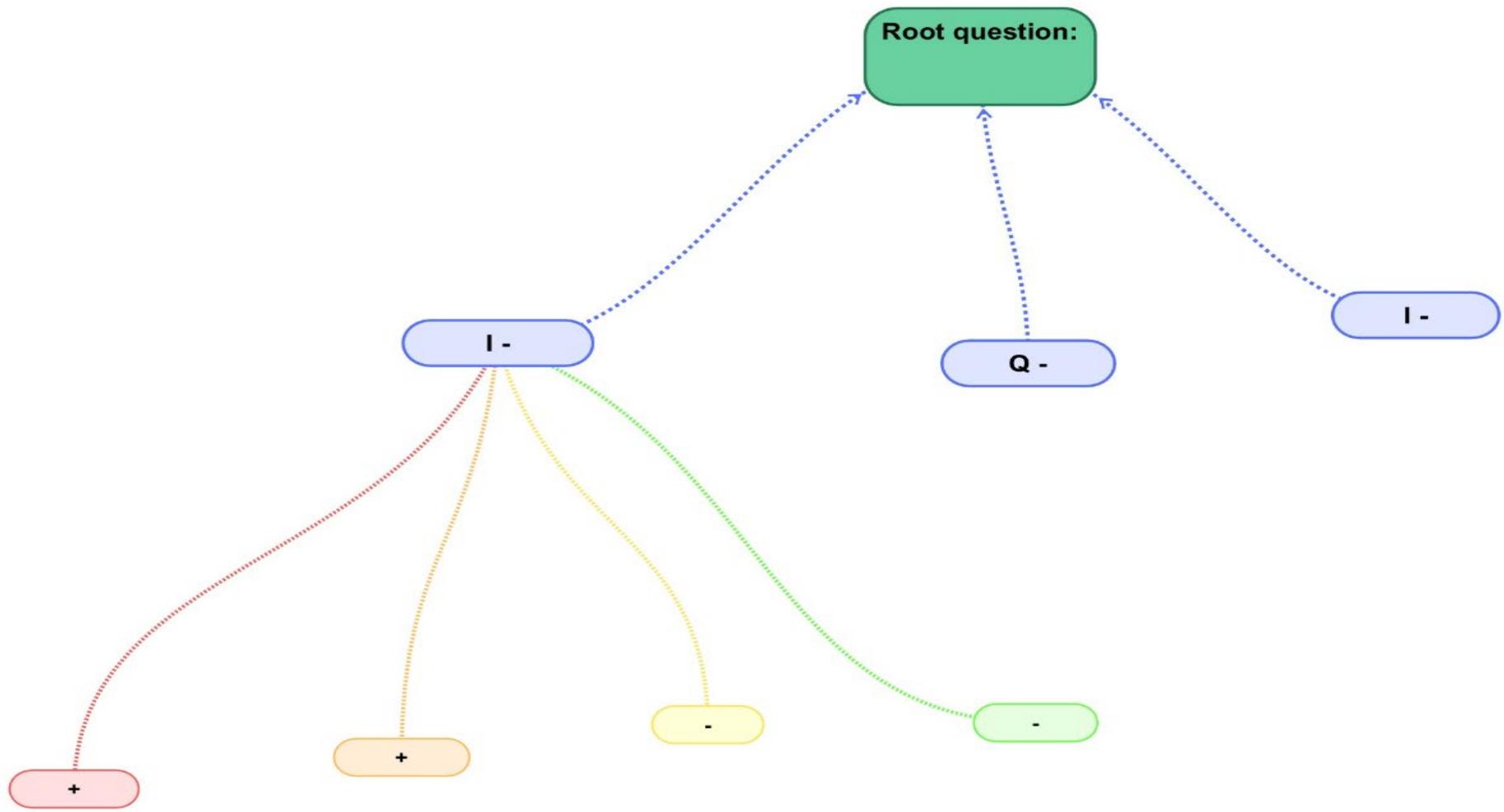
(Adapted from, Cognexus, 2010.  
p.29-30)

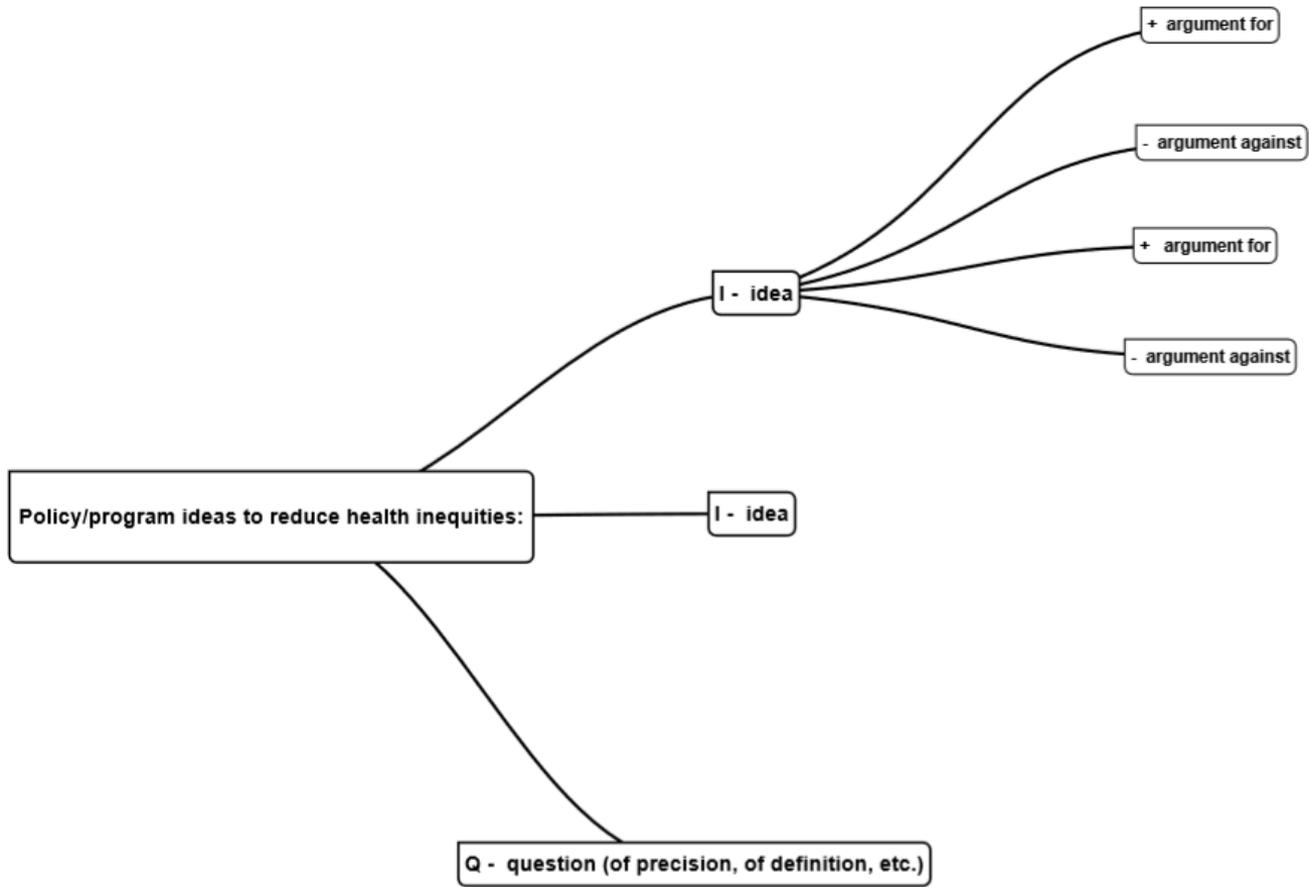
# Example of health inequalities



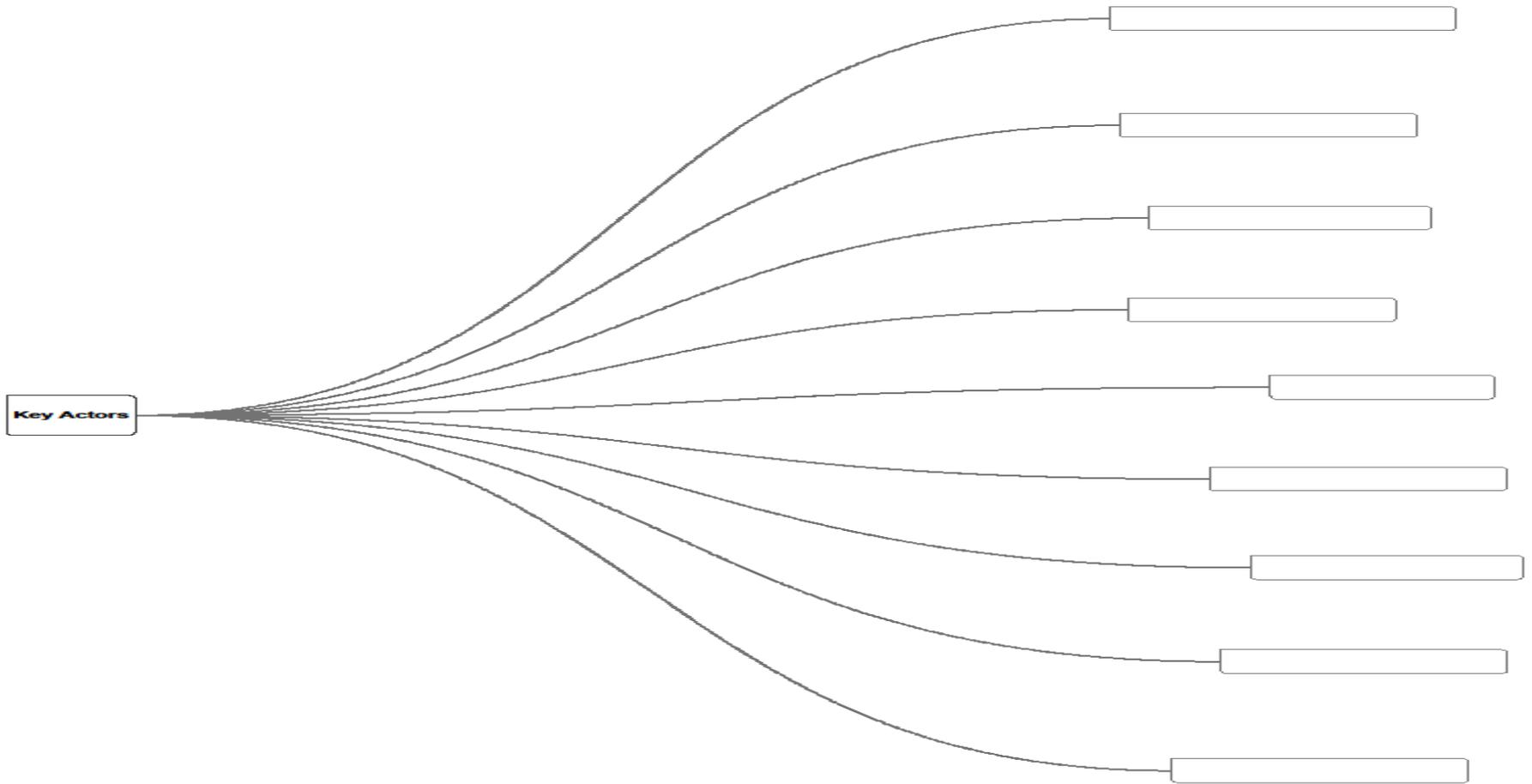


# Issue mapping with SimpleMind

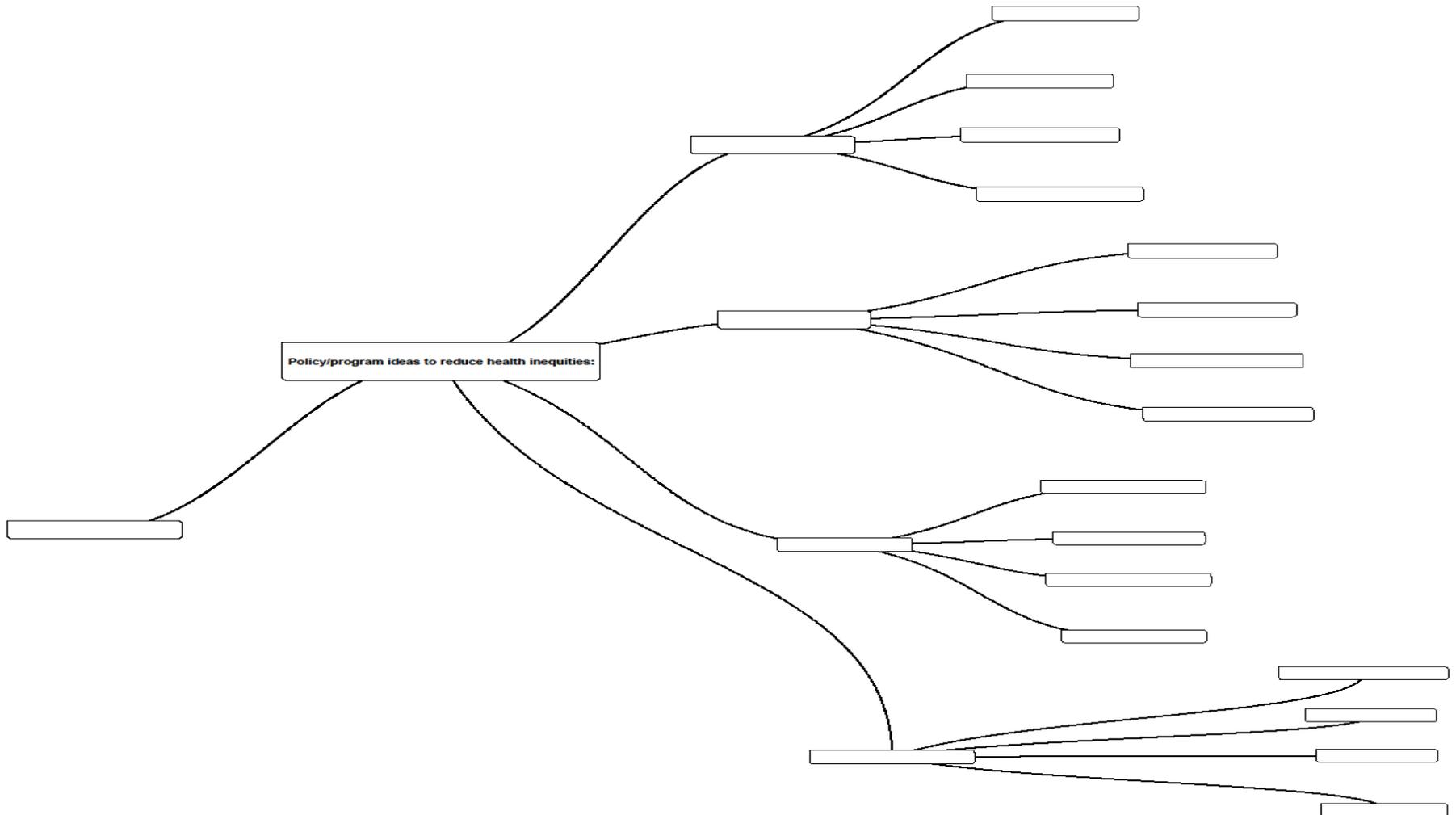




# Identify key actors in the effort to reduce health inequities



Suggest 3-4 policies/programs to reduce health inequities and 2 arguments for and against



# Strategies for coping with wicked problems

- Key ingredients
  - Collaboration
  - Dialogue
  - Shared Understanding
- Using a transdisciplinary approach

# Conclusion / Summary

- Most public policy problems are wicked in nature.
- Wicked problems must be tackled differently than tame or complex problems.
- Focus on collaboration, dialogue and shared understanding.
- Incorporate all related knowledge systems and worldviews.
- « Mapping » issues and dialogues can be useful in reaching decisions on how to tackle wicked problems within complex adaptive systems.



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# Thank you!

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