

































## The three domains of problem-solving

- 1. Problem
  - Unacceptable road traffic congestion
- 2. Solution (selected)
  - Subway
- 3. Implementation
  - Tunnel boring
  - Surface traffic management

- 1. Problem
  - Need for specific software application in a domain
- 2. Solution
  - Specific software for a domain
  - Target platforms
- 3. Implementation
  - Software development environment
    - Hardware and software

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Simple problem-2 (how)							
5.	T	<b>he solution</b> (for percolated coffe	ee) <b>5.</b>	T	he solution (for instant coffee)		
	1.	Putting water in percolator		1.	Putting water in kettle		
	2.	Putting coffee beans in percolator		2.	Boiling the water		
	3.	Turning on the percolator		3.	Putting the hot water in the cup		
	4.	Percolating the coffee		4.	Adding the coffee		
	5.	Pouring coffee into cup		5.	Adding sweetener and creamer		
	6.	Adding sweetener and creamer		6.	Stirring the mixture		
	7.	Stirring the mixture		7.	Giving the cup of coffee to the boss		
	8.	Giving the cup of coffee to the boss		8.	The boss is drinking her coffee and		
	9.	The boss is drinking her coffee and is	S		is not complaining about it		
		not complaining about it	Bonus – add risk management8.Risk of running out of ingredients9.Check amounts of coffee, sweetener and creamer10.Reorder when necessary				
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-	Meeting the objectives	
1.	Explained the need to, and difficulty of, identifying the correct problem	
2.	Explained the consequences of not identifying the correct problem	
3.	Explained the need for short term and long term solutions and why they might be different	
4.	Distinguished between different types and classifications of problems	
5.	Reviewed and elaborated on the problem solving process	
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