





Other Verification Problems

- Timed Language Inclusion ⊗
- Untimed Language Inclusion ☺
- (Un)Timed Bisimulation ©
- Reachability Analysis ©
- Optimal Reachability (synthesis problem) ③
- If a location is reachable, what is the minimal delay before reaching the location?















































An important theorem on Zones

- The set of zones is closed under all constraint operations (including x:=x-c or x:=x+c)
 - That is, the result of the operations on a zone is a zone

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- That is, there will be a zone (a finite object i.e a zone/constraints) to represent the sets: [Z^], [Z^], [{x}Z]







































