

Concrete problem

Concrete specification Σ_1



Concrete system \mathcal{S}_1



Infinite state-space

u_1

Concrete controller

\mathcal{C}_1

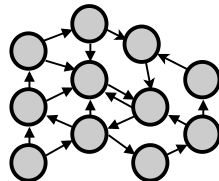
x_1

Abstract problem

Abstract specification Σ_2



Abstract system \mathcal{S}_2



Finite state-space

u_2

Abstract controller

\mathcal{C}_2

x_2

1) Abstraction

3) Concretization

2) Abstract
controller
synthesis