RW778: Implementation and Application of Automata, 2006 Week 7 Lecture 1

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Statecharts

References:

1. Harel, Statecharts (e-book on CS778 course website).
2. Mitton, Lewis: Modelling GUIs using Statecharts.

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  - Finite automaton with hierarchy and parallelism.

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- Succinct description of regular languages

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- Example:

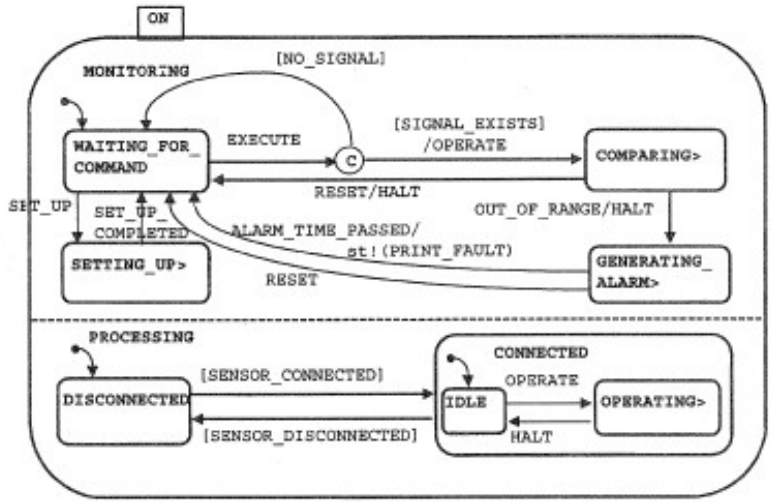

Figure 7.6 States marked as having entering and exiting reactions.

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Homework

Homework:

(a) Use a statechart to model an n-bit counter.

(b) Use a statechart to model collision sequentialization in a fingerspelling hand (see VanZijl and Raitt, Afrigraph 2004).