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Chapter 1, Problem 7P

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Problem

State steps that might be present in the sequential control of a dishwasher.

Step-by-step solution

Step 1 of 3

Dishwasher is a good example of a system having sequential control. Consider a dishwasher involving 4 operations. Each operation involves multiple steps. These steps are performed in sequence for a preset amount of time.

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Step 2 of 3

Steps in sequential control of Dishwasher
1) Pre wash operation – Drain, Fill, Wash, Drain
2) Wash operation – Fill, Wash, Drain
3) Rinse operation – Fill, Rinse, Drain
4) Drying operation – Dry, Drain, Dry

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Step 3 of 3

The entire process can be represented in steps as
Drain, Fill, Wash, Drain, Fill, Wash, Drain, Fill, Rinse, Drain, Dry, Drain, Dry.

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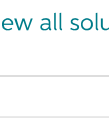
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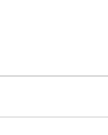
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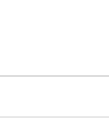
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