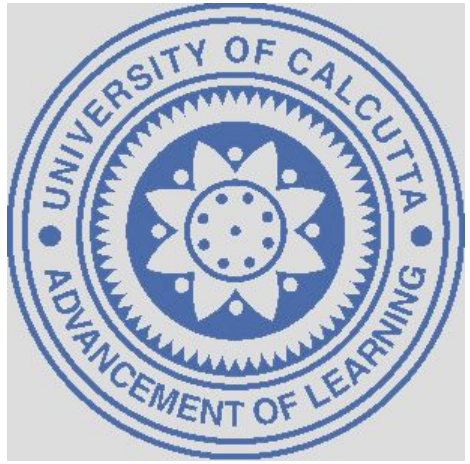
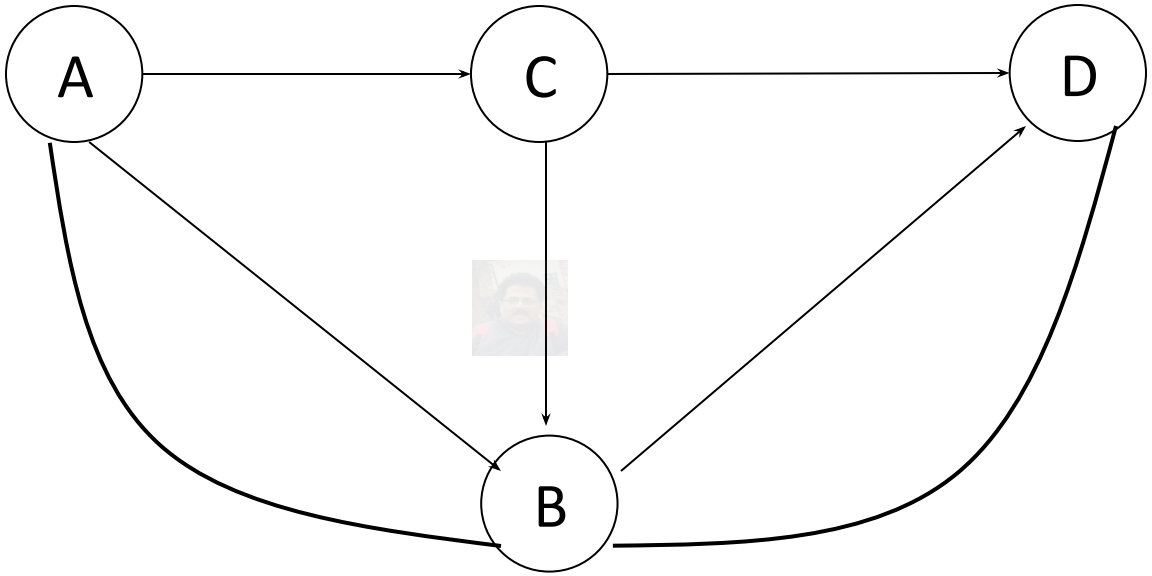


Chandy-Lamport's Algorithm

Assignment 5

How does it work?



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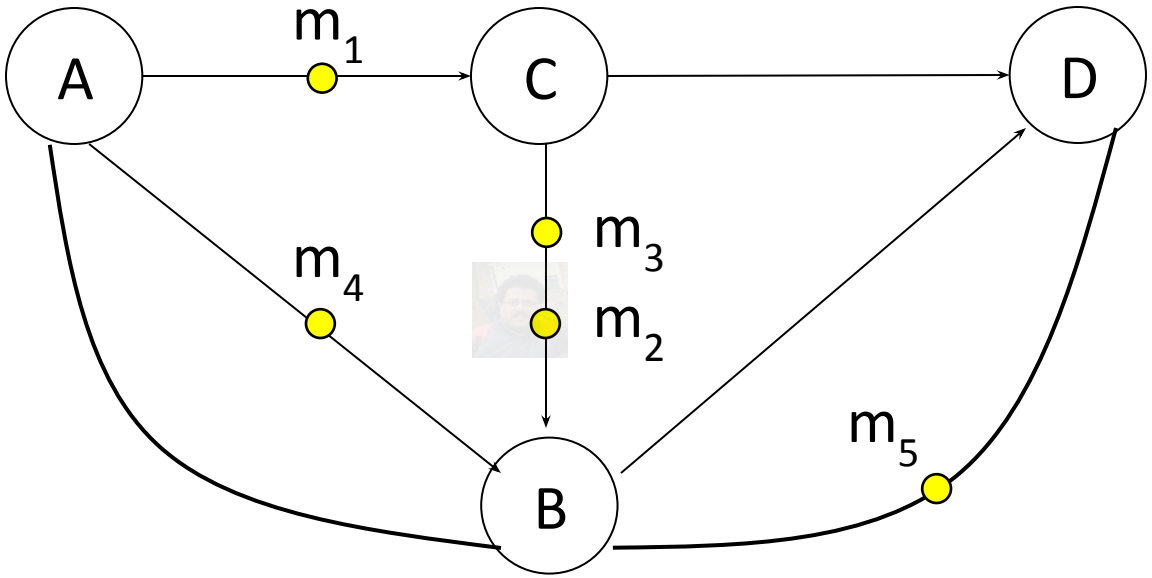

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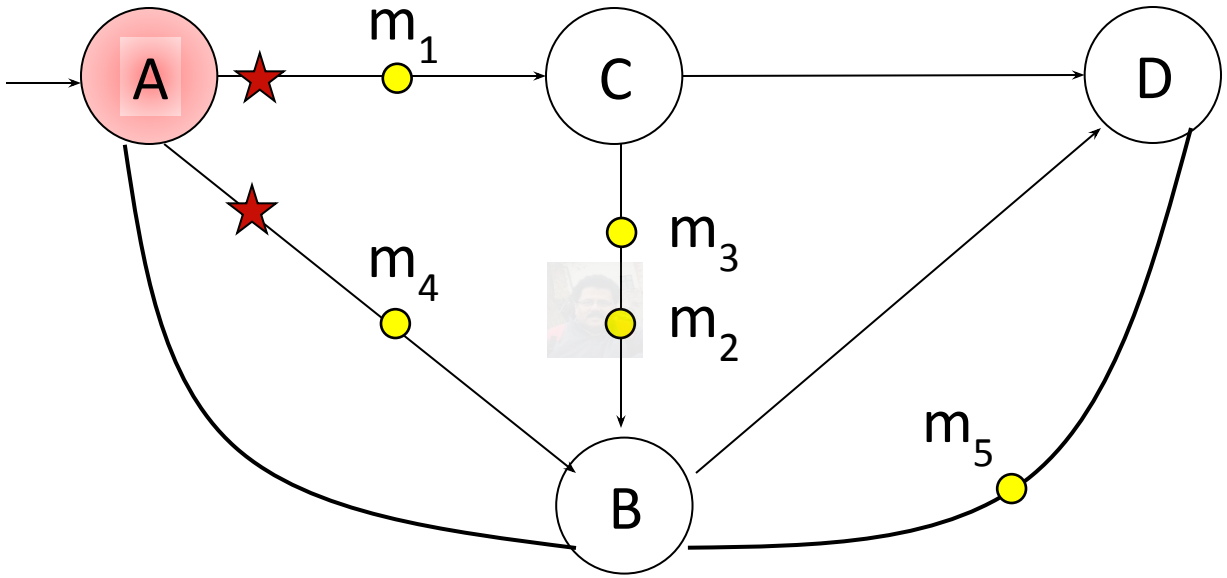

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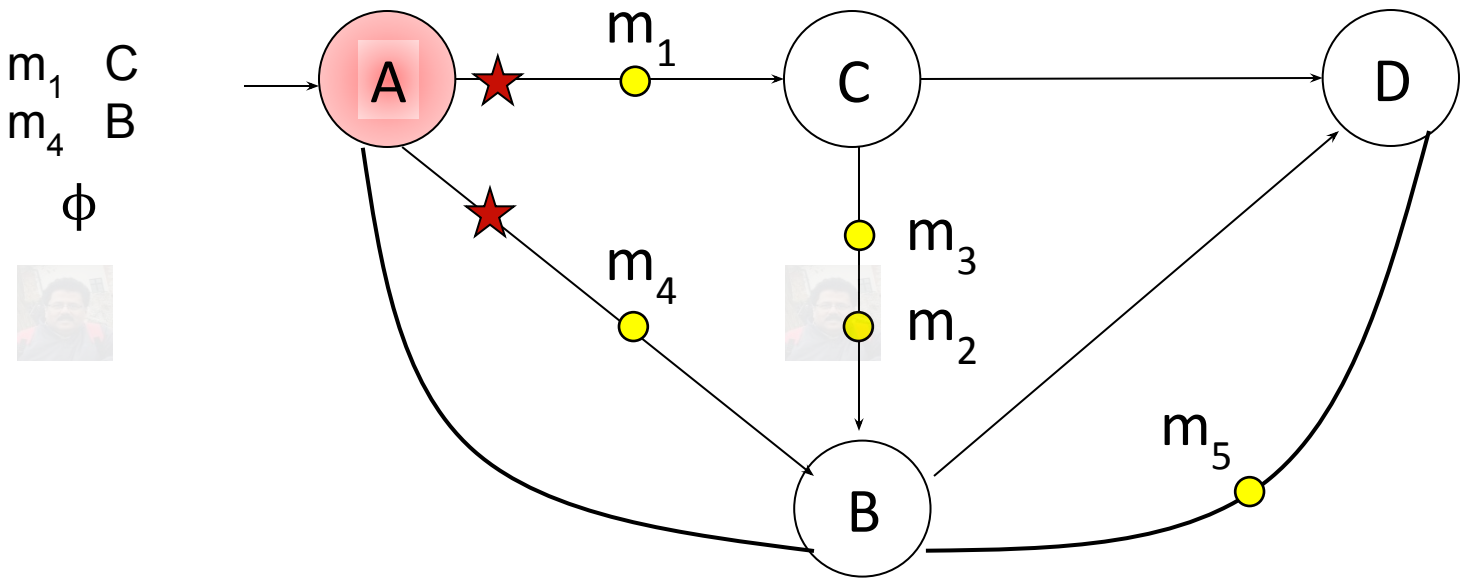

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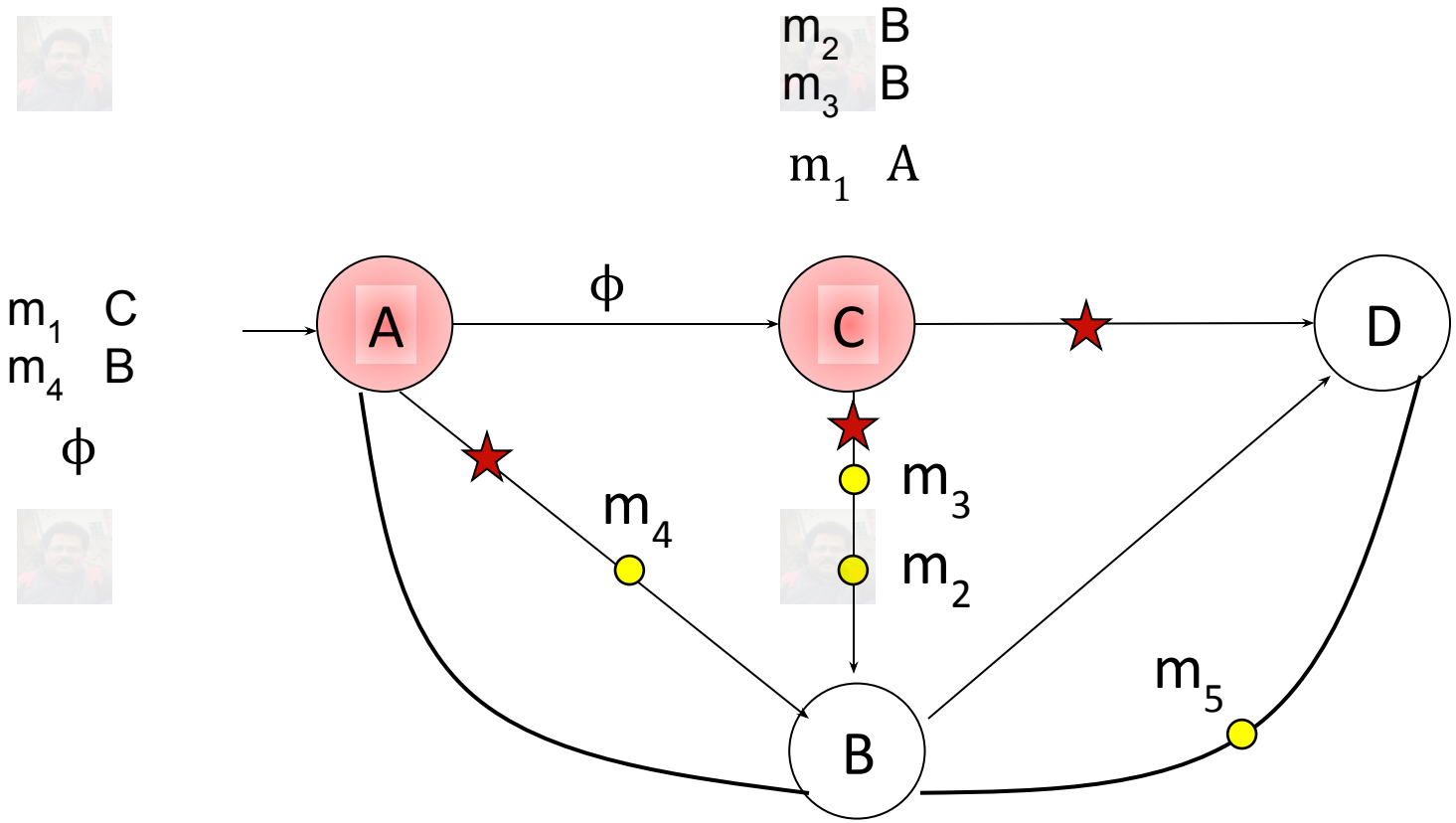

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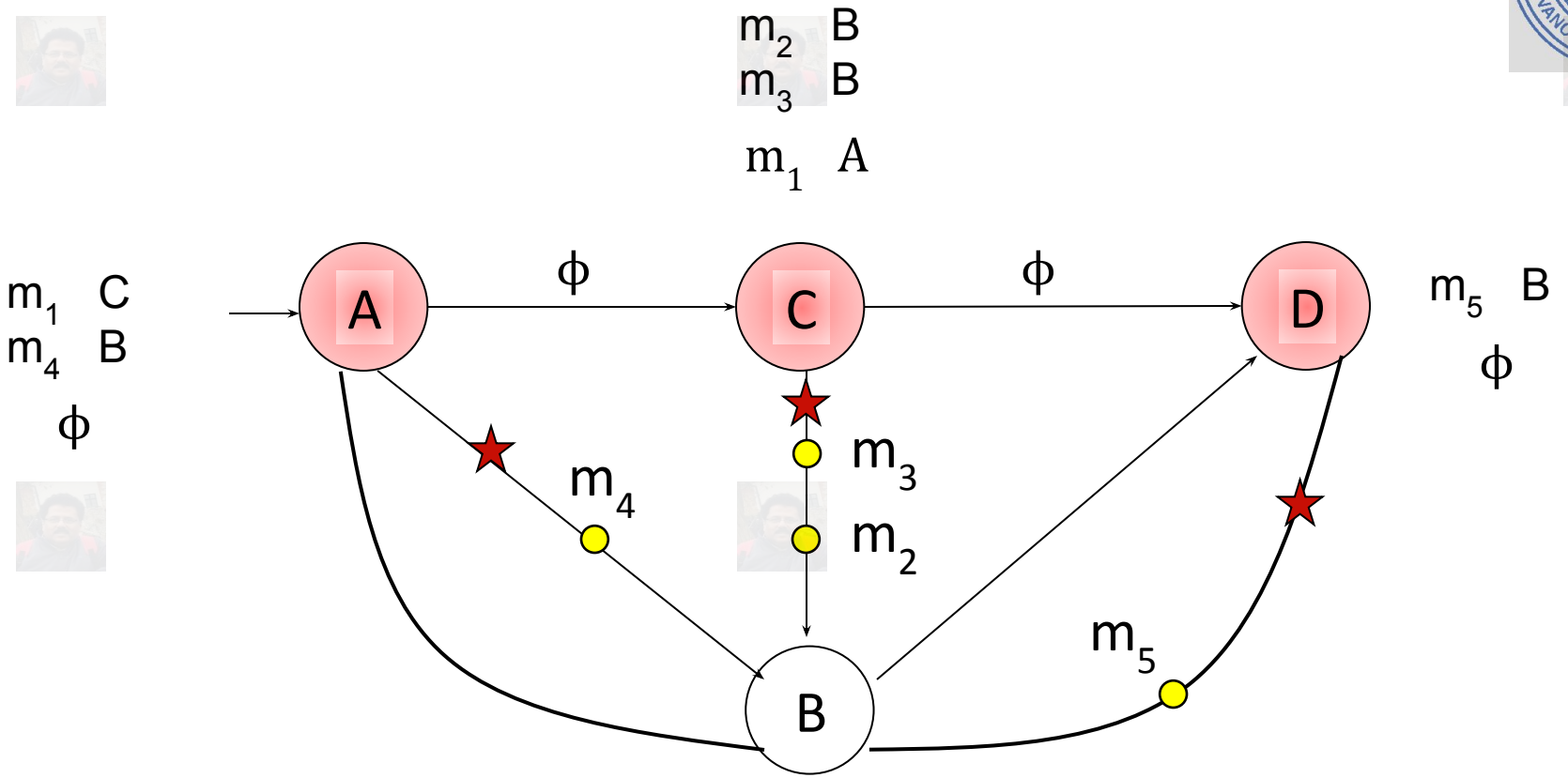

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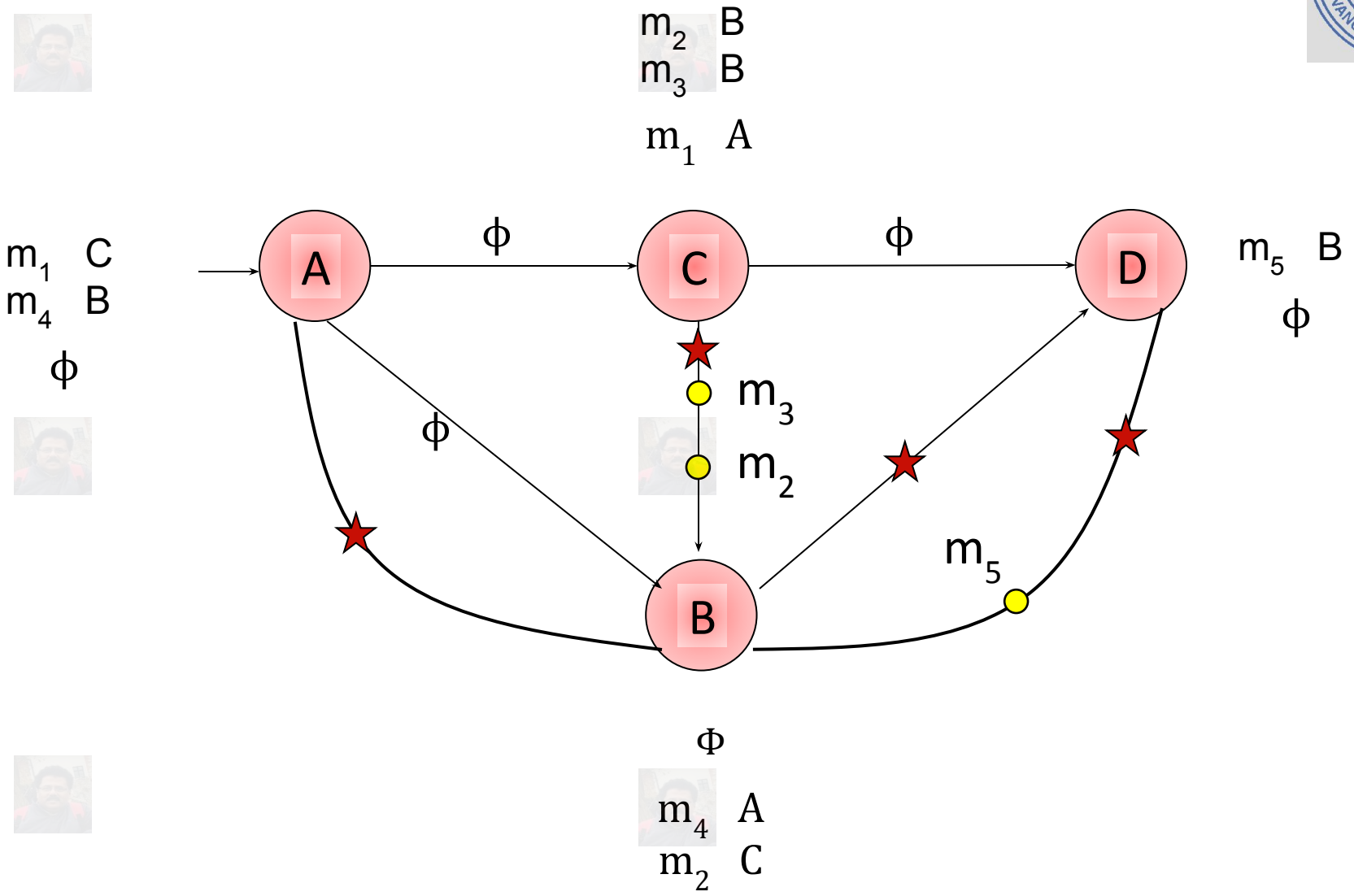

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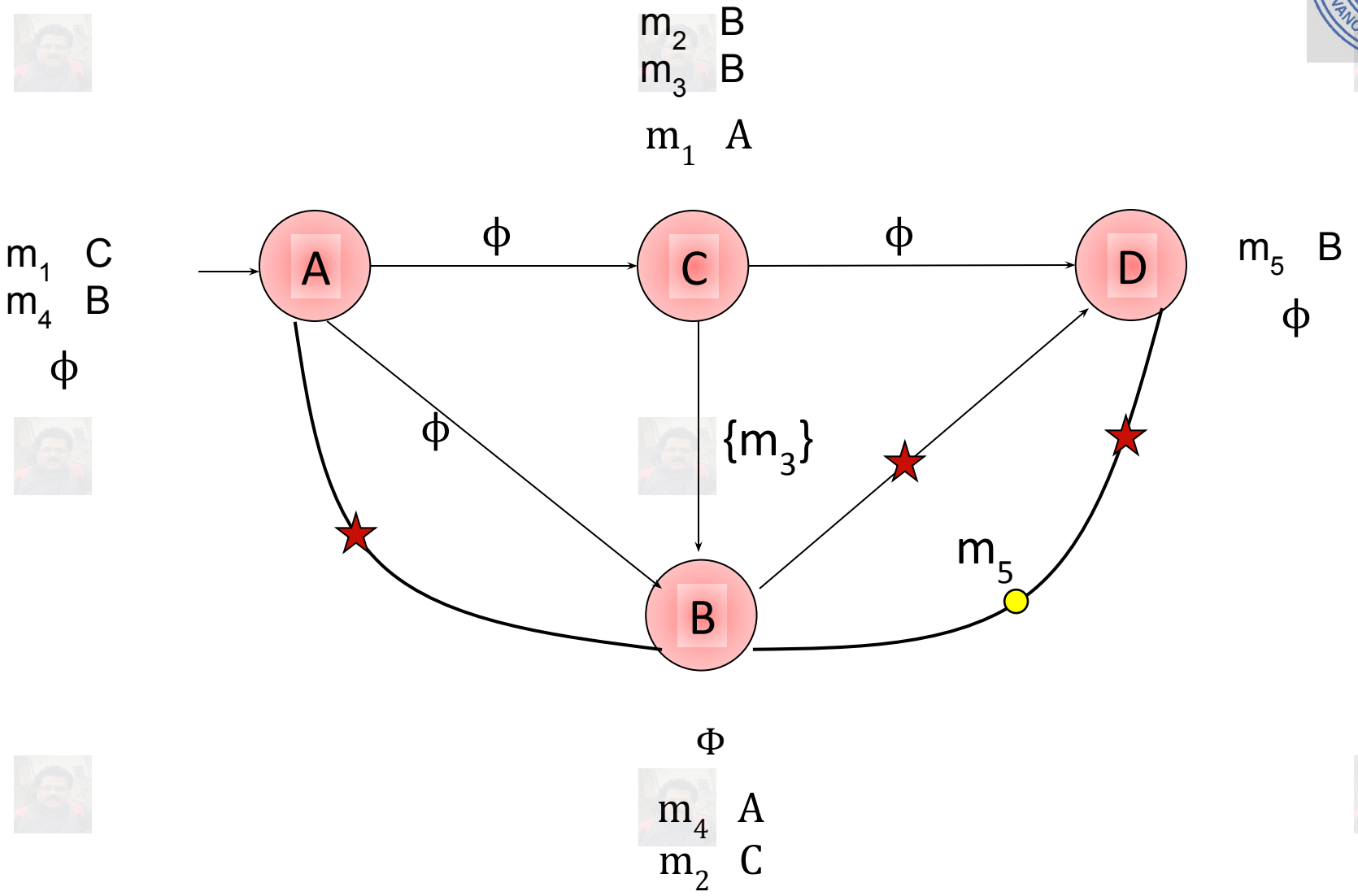

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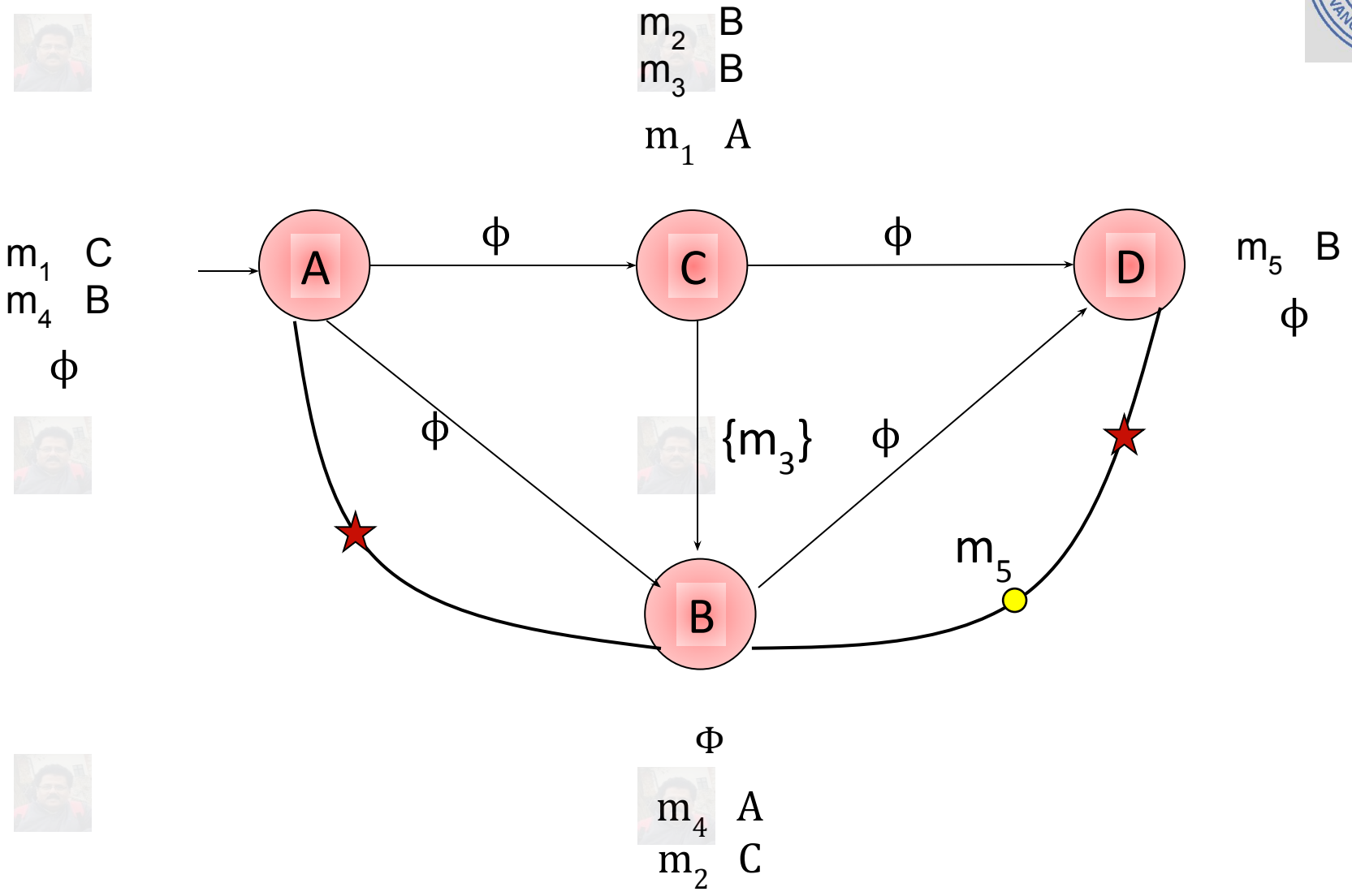

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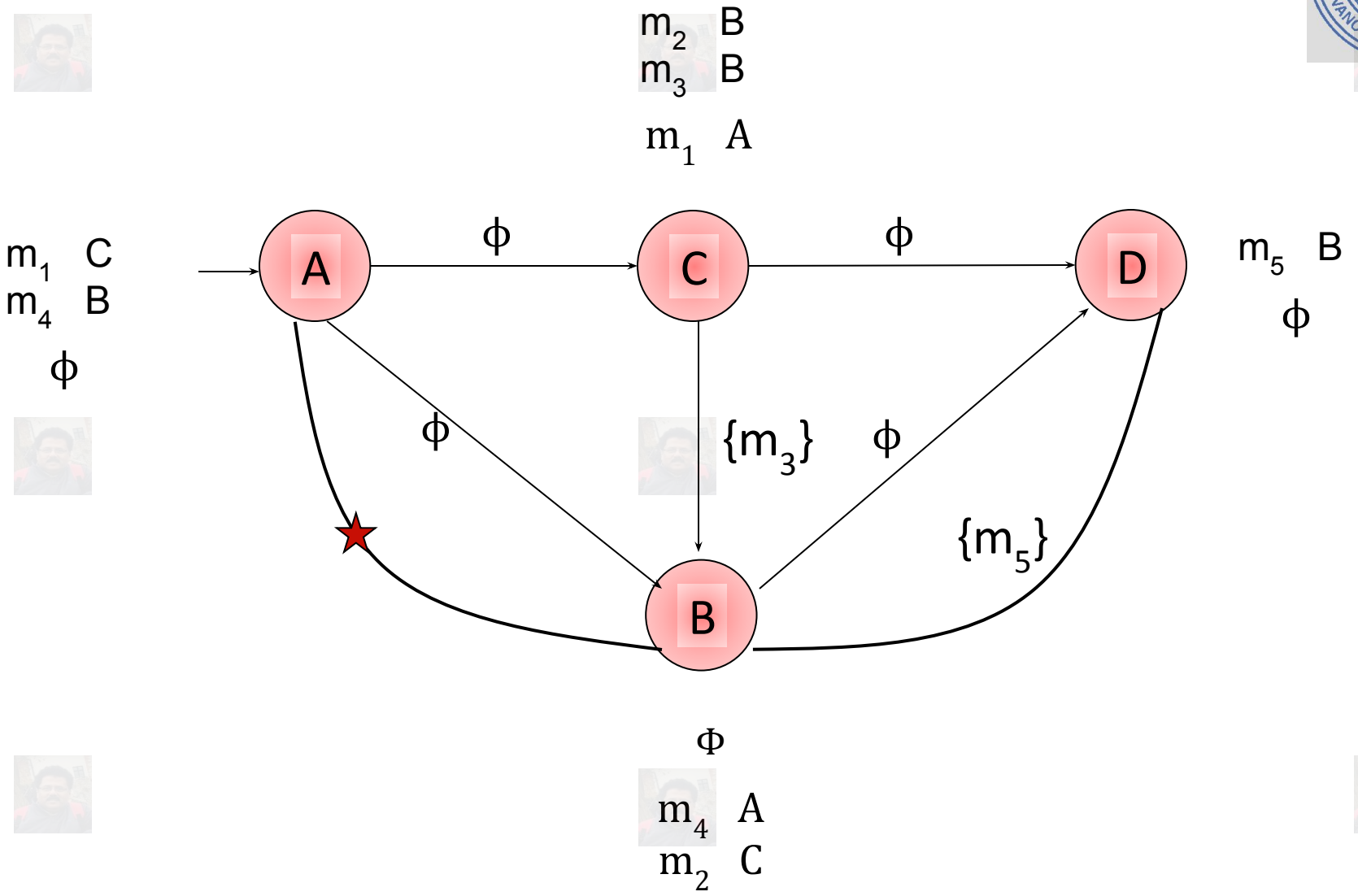

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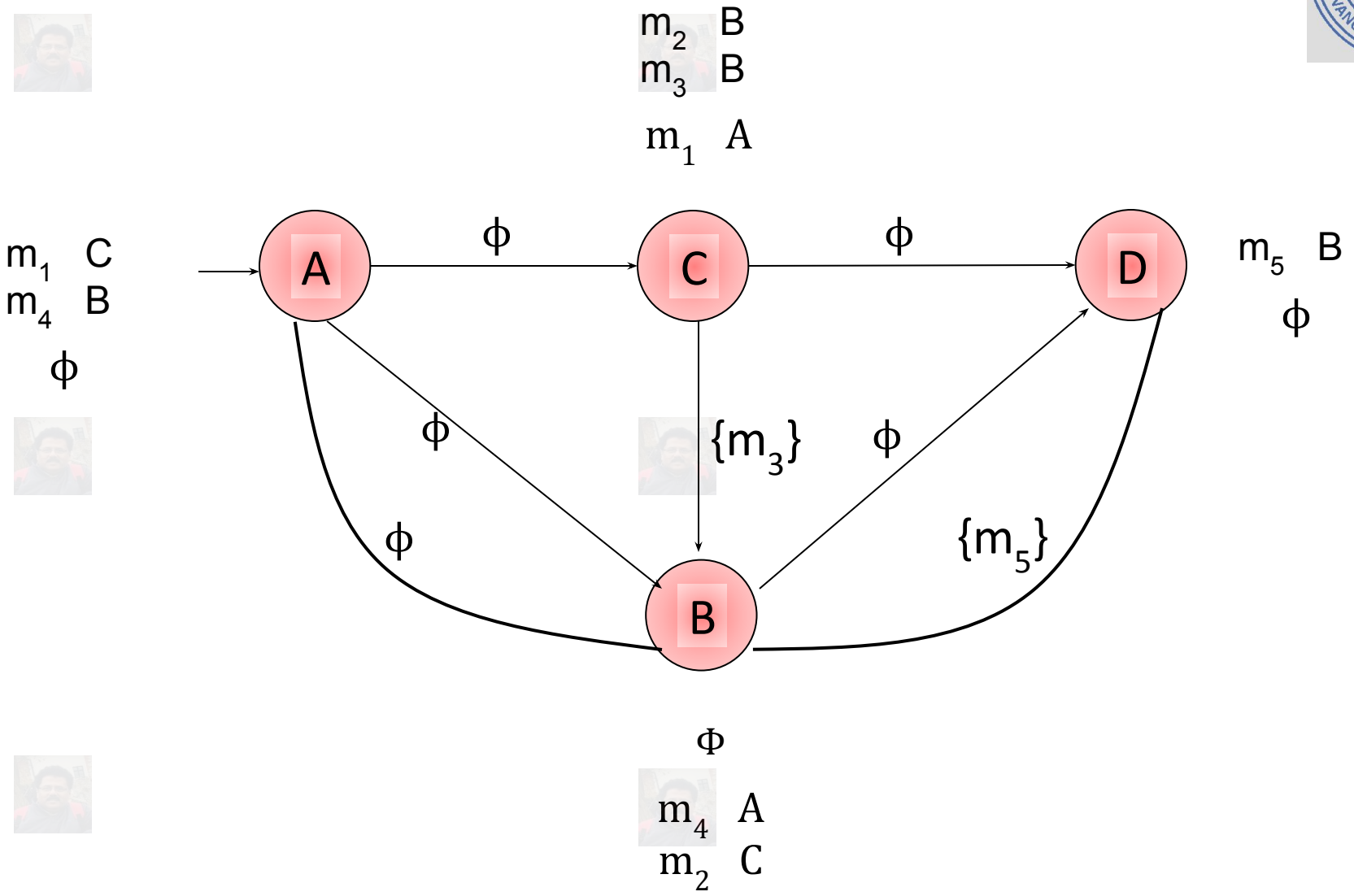

Write a program to implement Chandy-Lamport's State Recording algorithm.

1. Take as input any connected graph.
2. Select a good initiator node at first (Refer to Assignment 1)
3. Print state recorded by each node. Show how the state recording marker traverses to different nodes.

Hints:

- The algorithm terminates when
  - Every process, including the initiator, has recorded its state
  - No marker is left in any channel
- Channels are FIFO