

Raymond's Algorithm

Assignment 03



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Hints

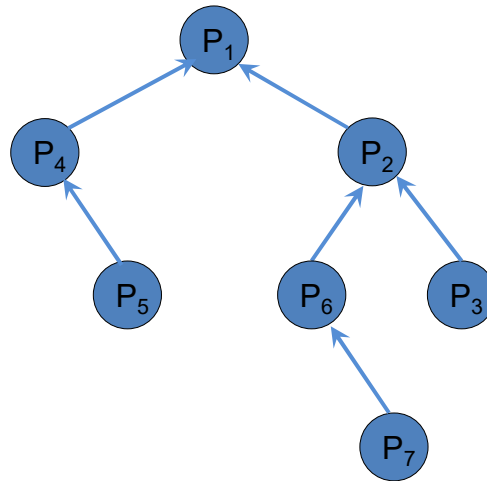


- Raymond's Algorithm works on an Inverted Tree. All you need to store is information about parent.
- Your parent will get your ID from the Token Request message

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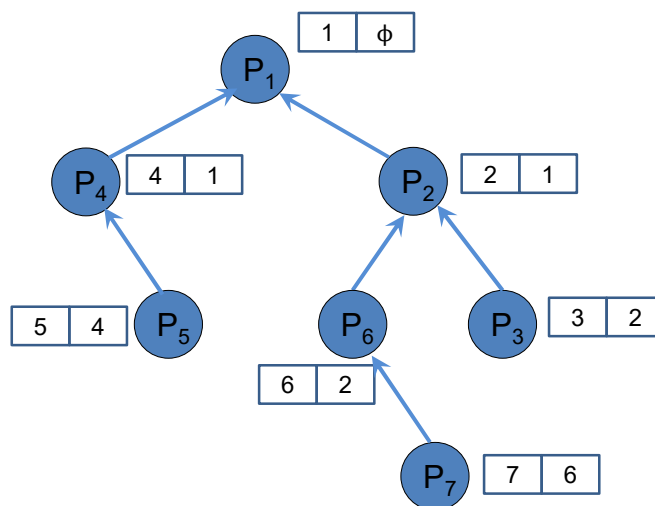
Example of Inverted Tree



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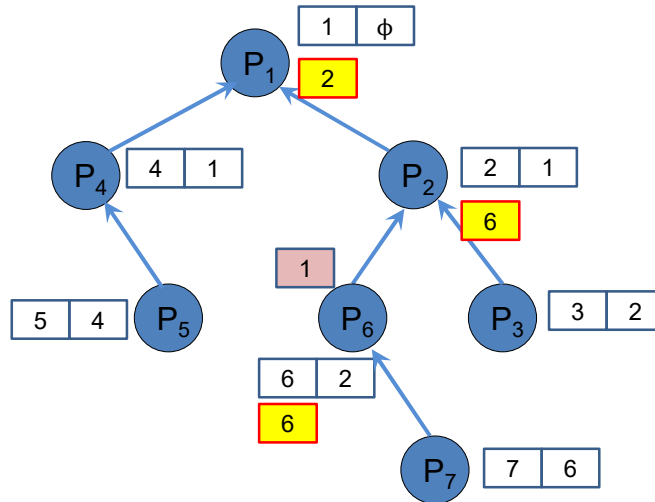
Nodes and their Parent



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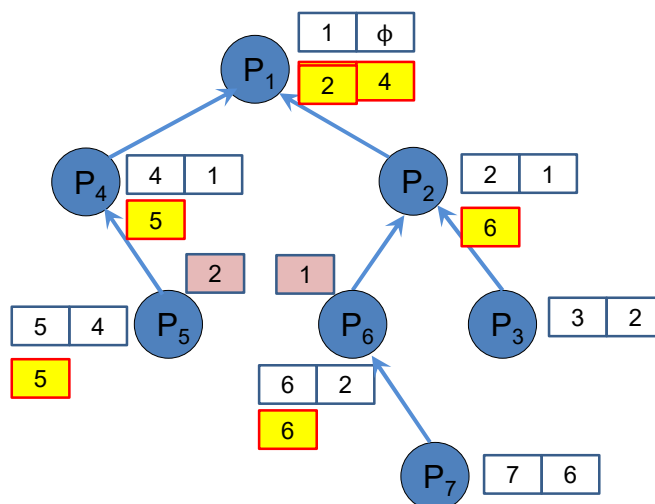
Raymond's Algorithm: P_6 requests



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Raymond's Algorithm: P_5 requests



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Hints



- Take 3 to 4 requests considering the current P_{hold} is in its CS
- You need to create queues in the requesting node and its predecessors
- When a predecessor node A has non-empty request queue, only ID of the requesting node B is entered in the node B's request queue

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Deliverable



- Compute till all the requesting nodes get token
- Show the changes in data structure at each stage

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