Synchronous single initiator spanning tree algorithm using flooding

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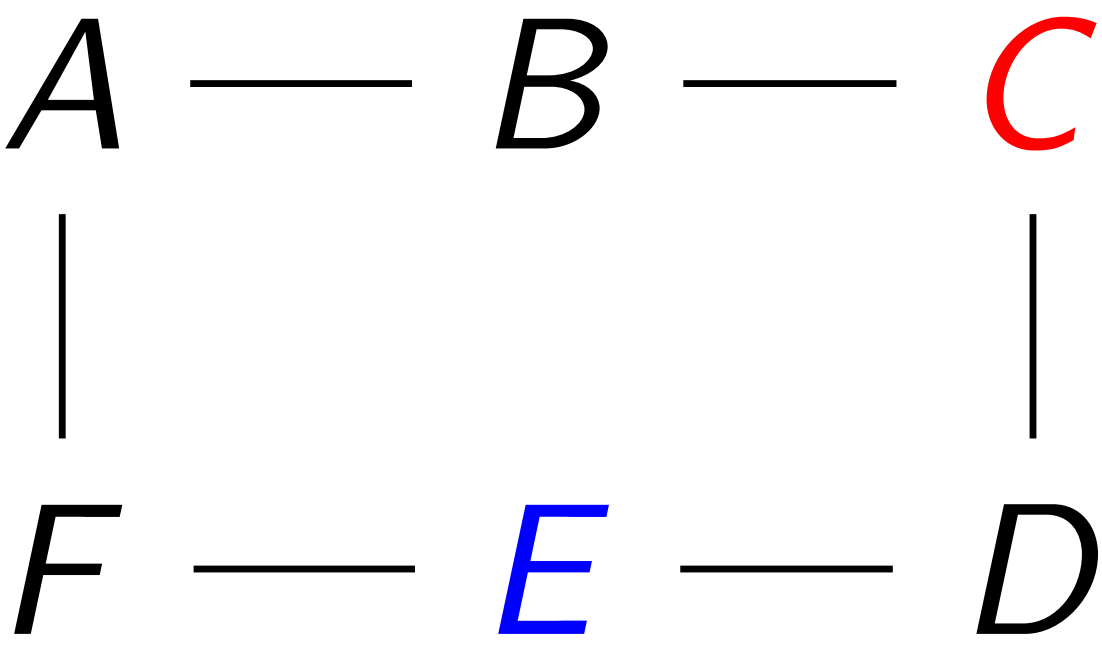
Example



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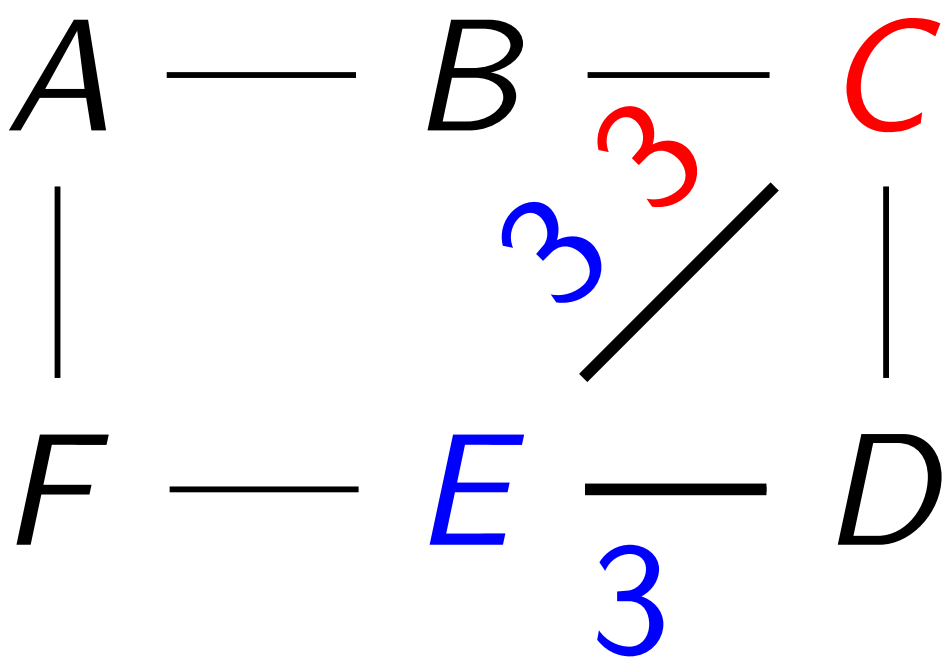

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  for round in range(1, DIAMETER+1):
    if self.visited: # if visited, skip
      if self.queries: # if we have a query
        # randomly choose from queries
        parent = random.choice(self.query)
        self.visited = True
        self.depth = round
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        # synchronous
        for n in self.neighbours: n.send(self.id)
    self.queries = [];
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