Proposal for Specifying PSE Detection

IEEE 802.3af DTE Power via MDI Meeting

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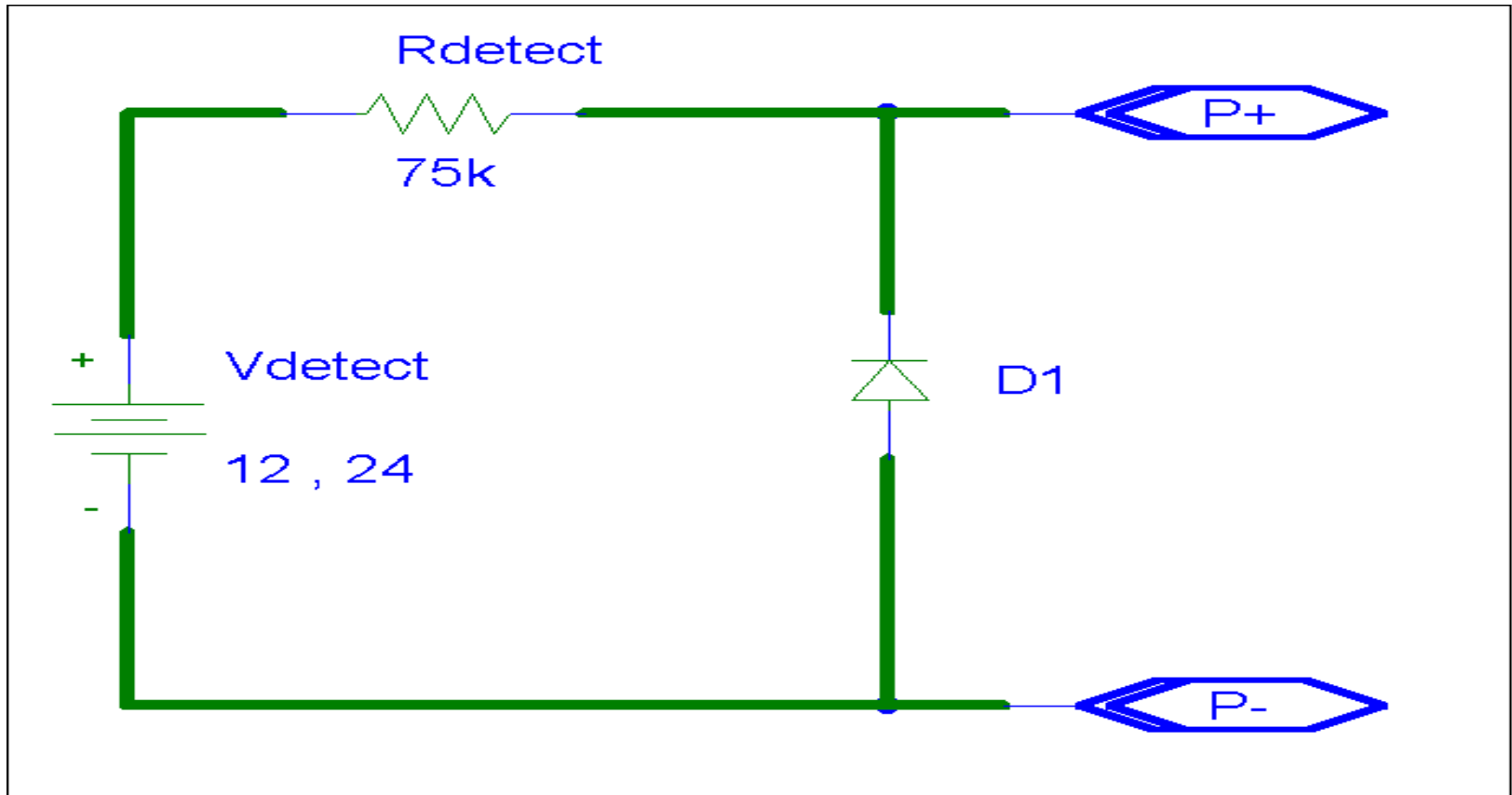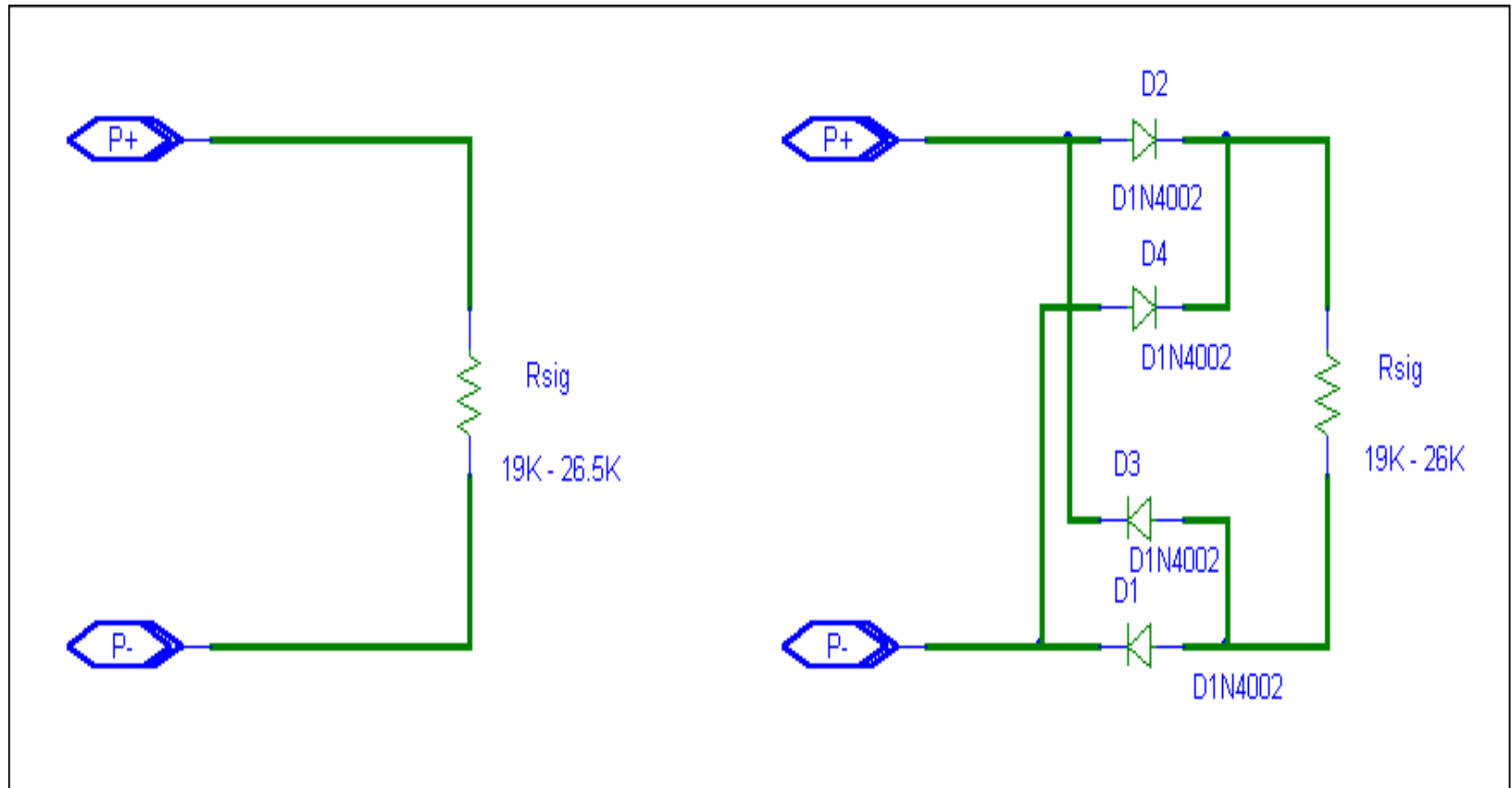
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PSE Detection Philosophy

- Signature Detection Criteria
  - Signature Slope Resistance within bounds
  - Small Capacitance
- False Detect Consequence
  - Small current
    - Violates Minimum Load - will be shut off
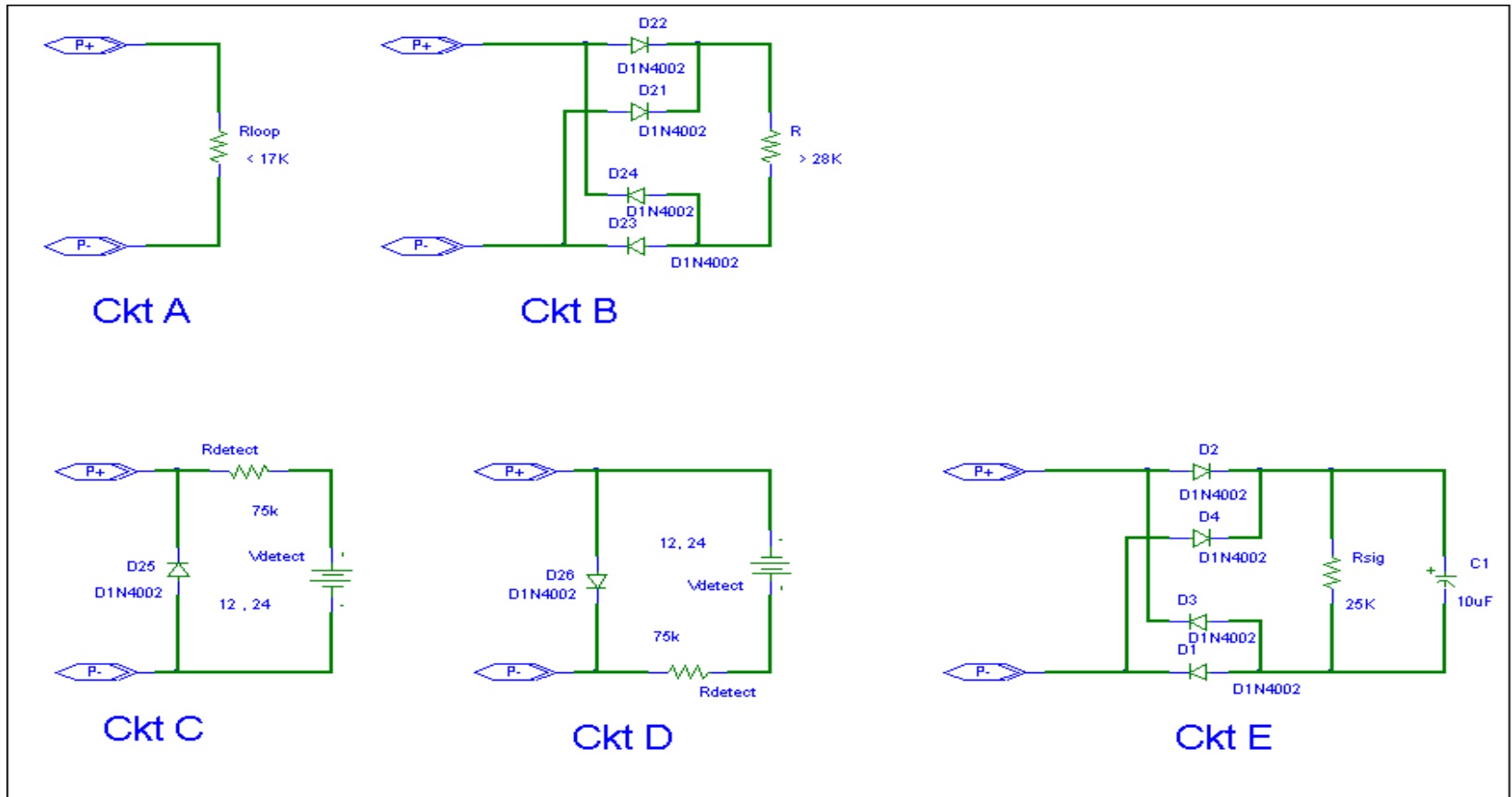- No Detect Probability
  - Reduced by wide Detection Window

Detection Probe

Valid PD

Do not Detect

Do not Detect - Wide