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# Switching Circuit & Logic Design

Lecture 19 :  
Programmable Logic  
Devices

# Programmable Logic Devices

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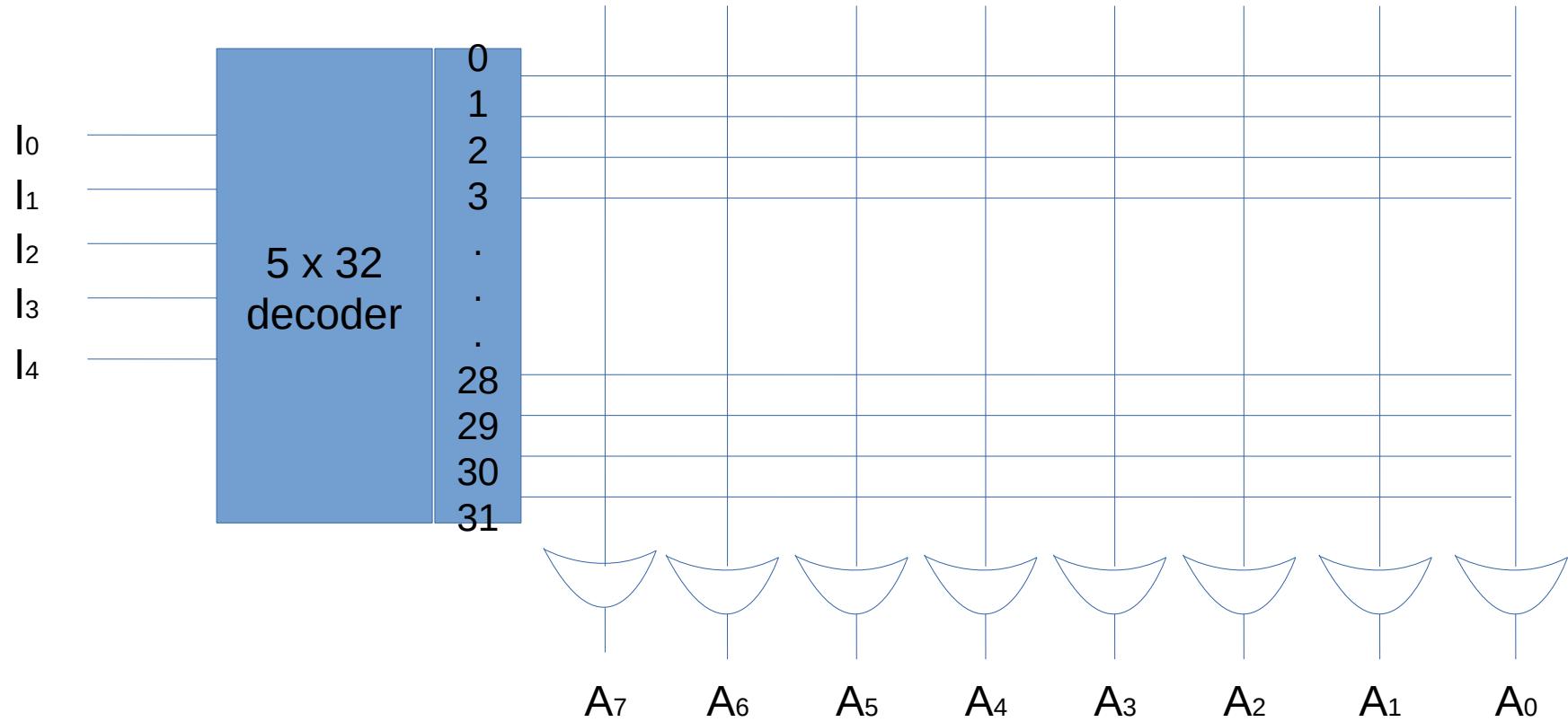
- PROM – Programmable Read Only Memory
- PLA – Programmable Logic Array
- PAL – Programmable Array Logic

# Advantages

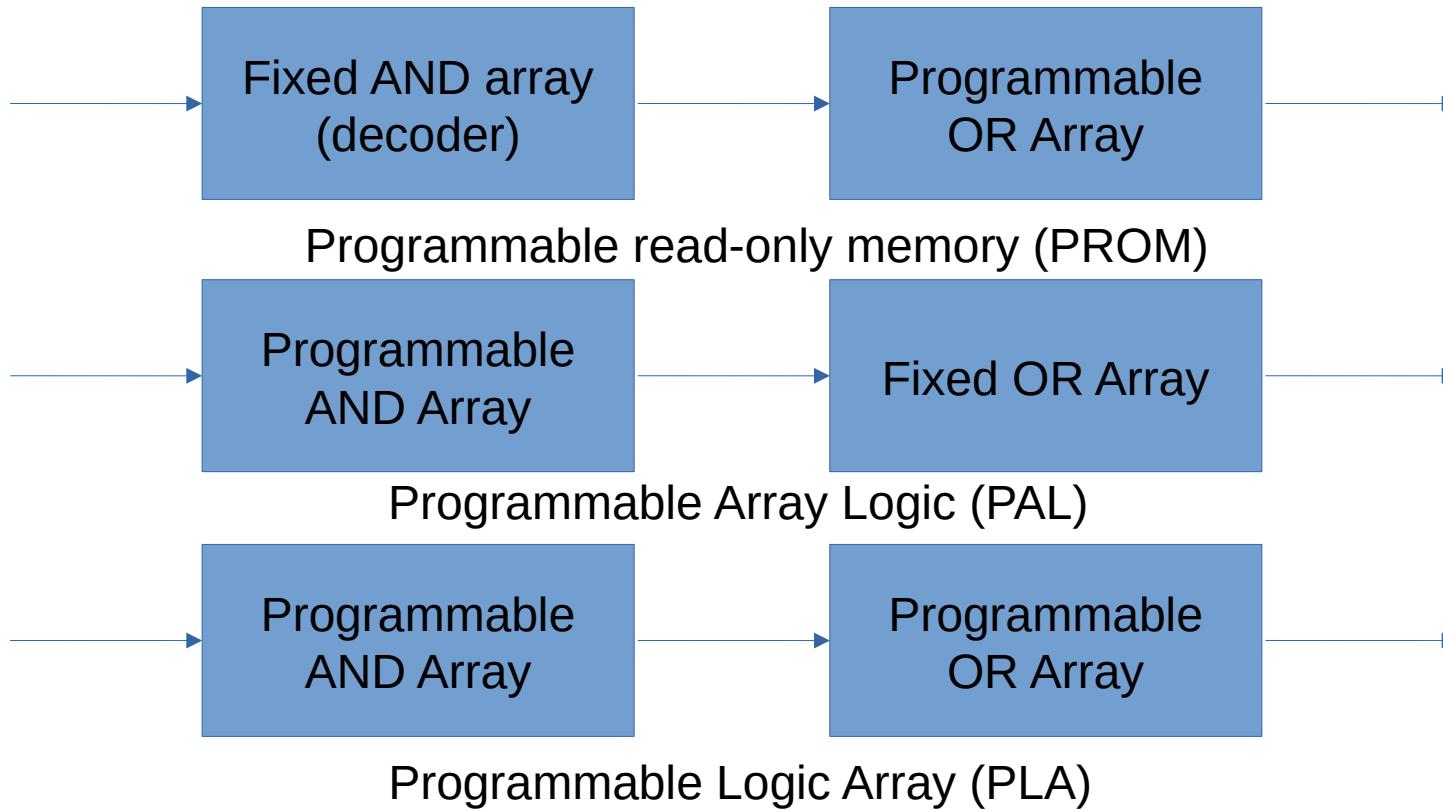
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- Low development cost
  - Less space requirement
  - Less power requirement
  - High reliability
  - Easy circuit testing
  - Easy design modification
  - High design security
  - Less design time
  - High switching speed
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# Read only memory



# Combinational Programmable LD



# Programmable Array Logic (PAL)

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