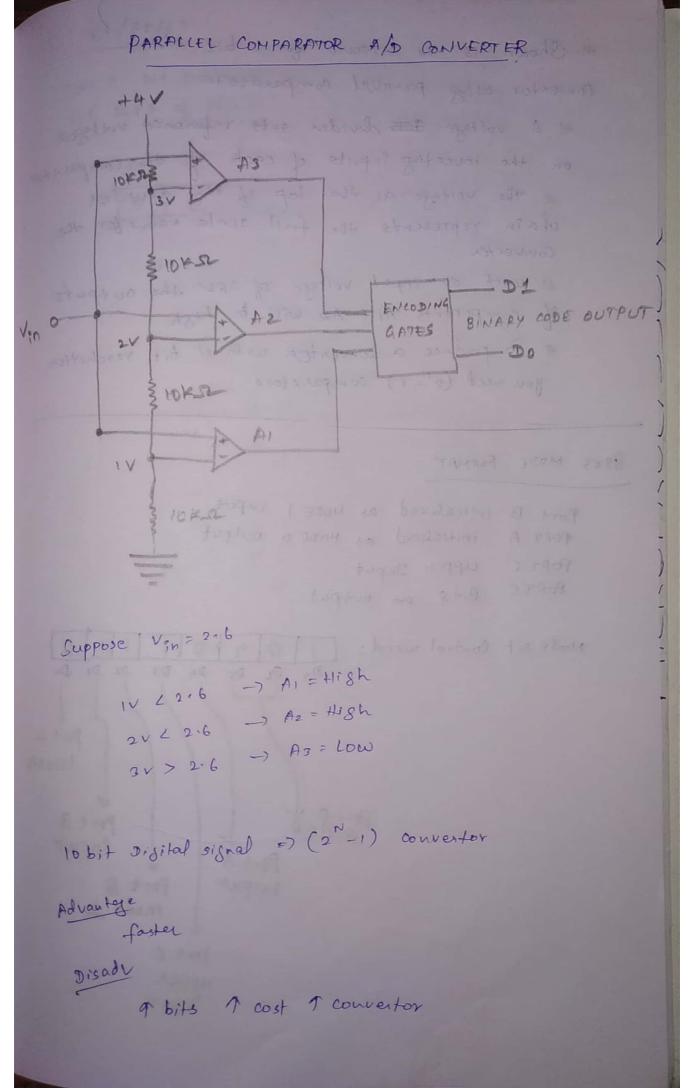


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Shown is the circuit for 2-bit A/D

Convertor using parallel comparators

A voltage the divider sets reference voltages
on the investing inputs of each of the comparety

the voltage at the top of the divider
chain represents the full scale value for the
converter

with an input voltage of 26V the outputs
of components AI + A2 will be high

To produce a converter with N bit resolution

you need (2^N-1) comparators