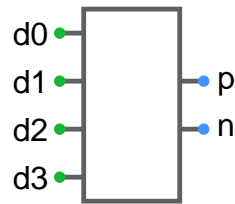


dac4.ece



Attributes

```
mainnodes: p n  
digital_nodes: d0 d1 d2 d3  
rparams: vref=5.0
```

Description

dac4.ece is an ideal 4-bit DAC. The output voltage – which appears between nodes **p** and **n** – is given by

$$V_{\text{out}} = \frac{V_{\text{ref}}}{2^4} \sum_0^3 2^i d_i . \quad (1)$$