































The effective fan-out f

• Delay of an inverter: a function of the ratio between external load and its input cap!

$$t_p \approx t_{p0} \left(1 + \frac{C_{ext}}{\gamma C_g}\right) = t_{p0} (1 + f/\gamma)$$

• Effective fan out:
$$f = \frac{C_{ext}}{C_g}$$

• The goal is to minimize the delay through the entire inverter chain

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