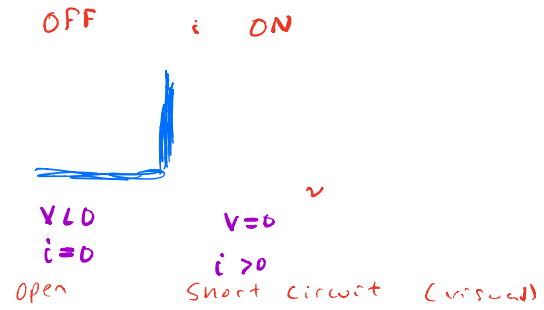
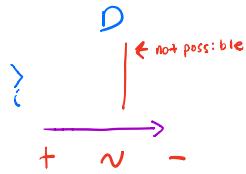


non linear device!

Diode



$i \downarrow$

Assume D_1 is on

$i \downarrow$

Assume D_1 is OFF

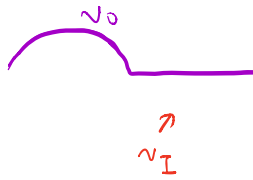
$i \downarrow$

D_1 is OFF

$\uparrow i$

$\uparrow i$

Example:



> Diode in a circuit

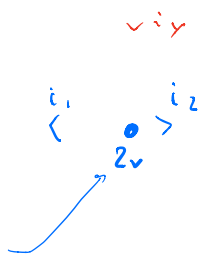
v_{iy}

i_1
<

> i_2

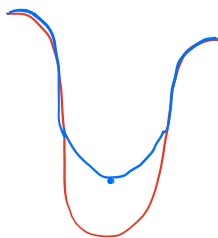
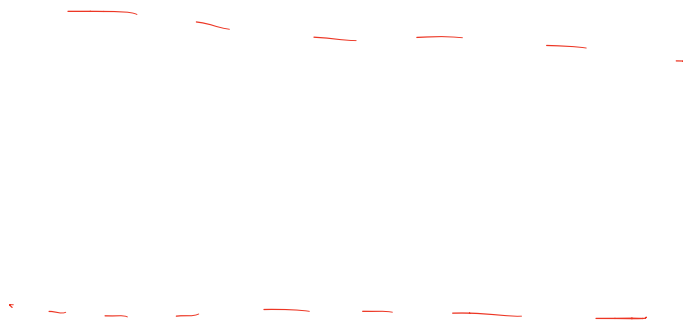
$\text{---} 0 \sim x$

Assume $D_1 \neq D_2$ on

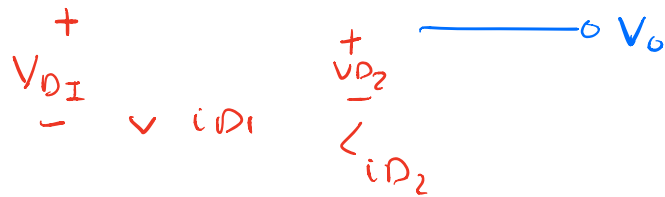


IDEAL DIODES EXAMPLES

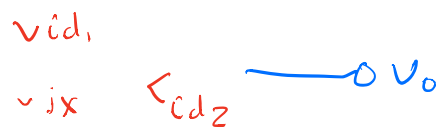
- cannot go backwards



Example 2

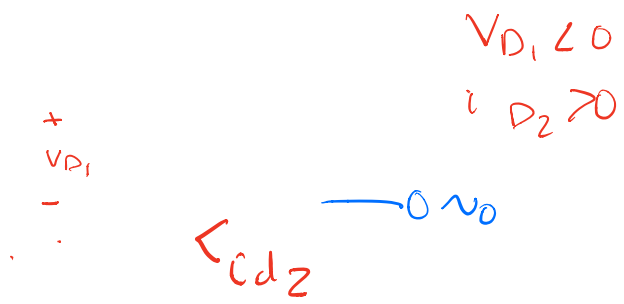


D_1 & D_2 ON

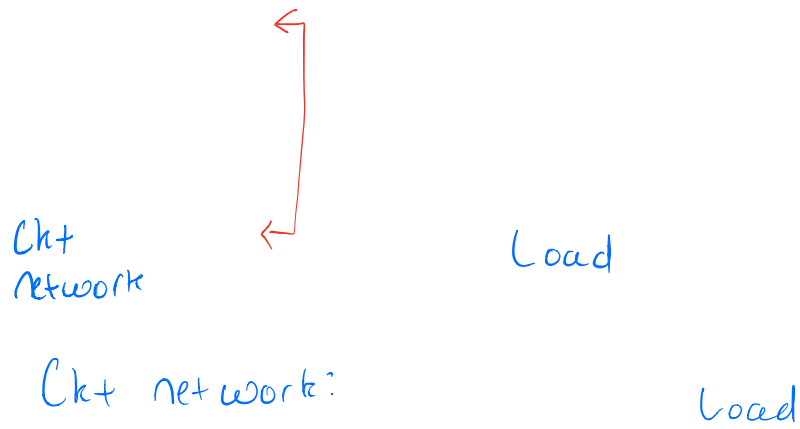


D_1 & D_2 are both NOT on

D_1 off, D_2 on



Example 3



assume diode
is on