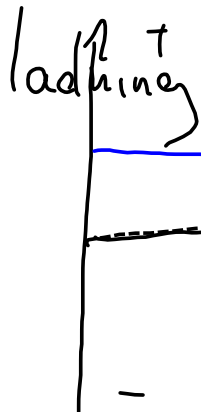
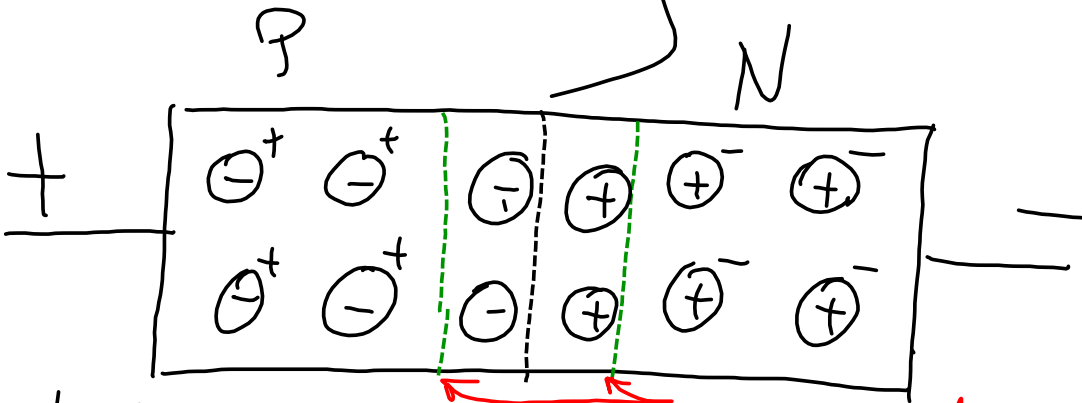
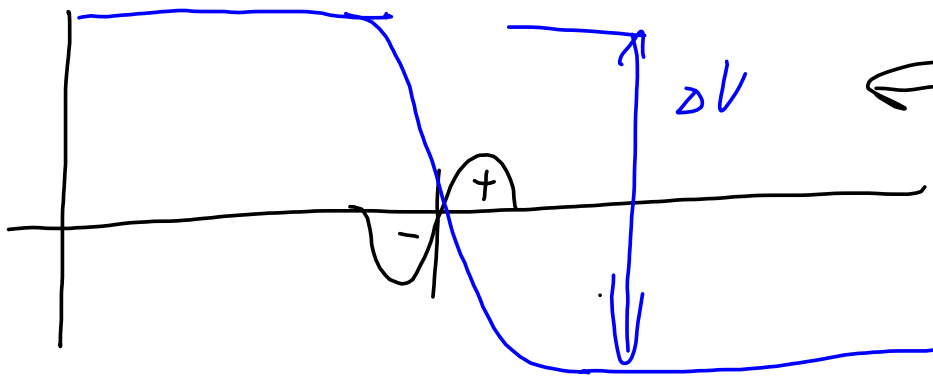


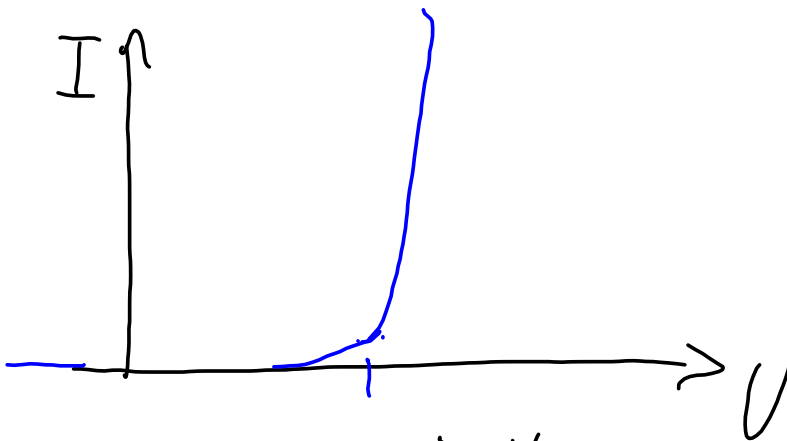
PN-overgang



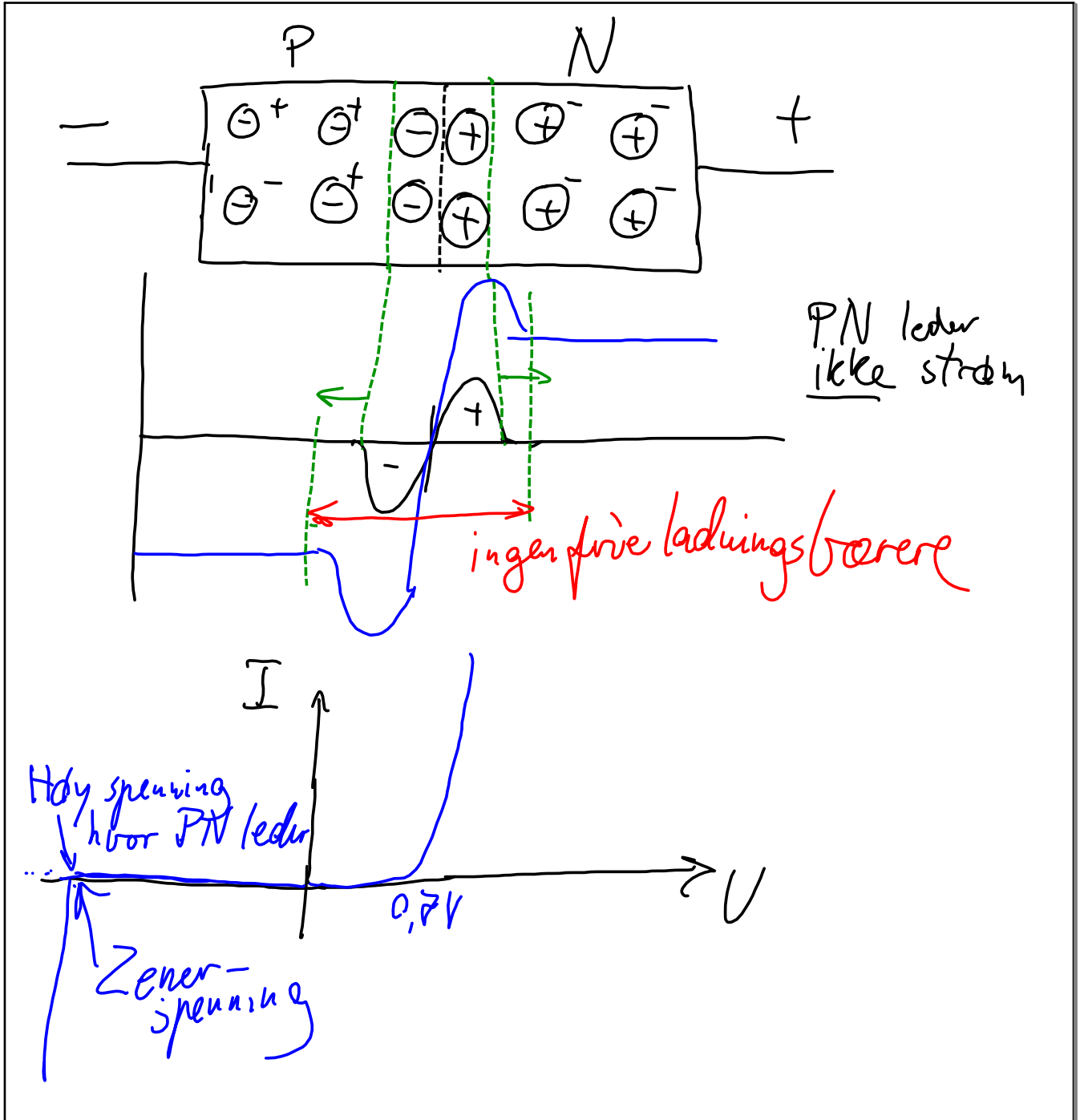
ingen frie
ladningsbærere



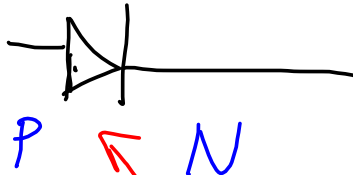
PN
Leder
Strøm



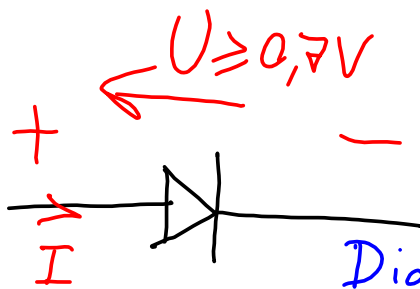
Si: 0,7 V



PN-overgangen kalles diode

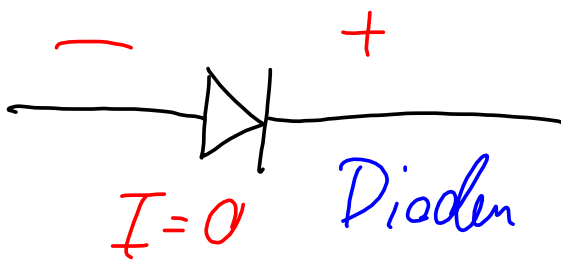
Symbol: 

peker i strømretning
når den leder
⇒ P har positiv spenning
(i forhold til N)



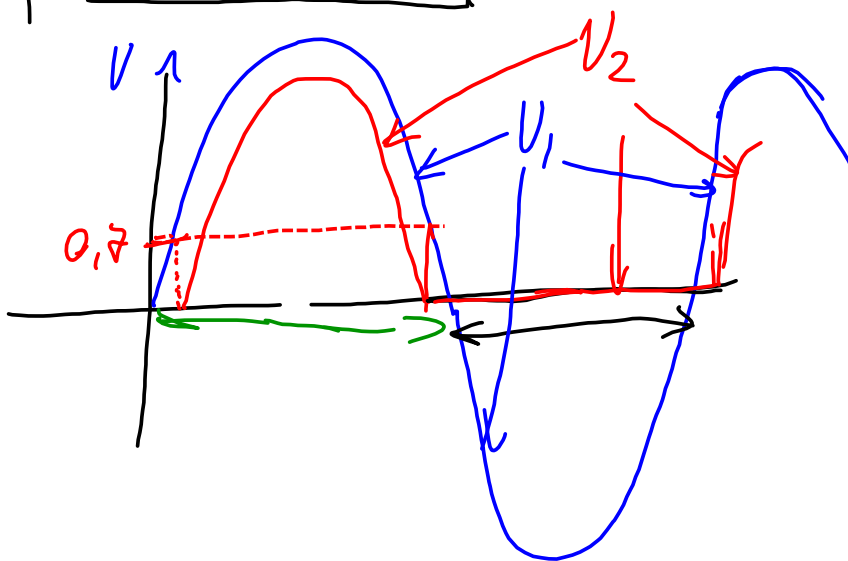
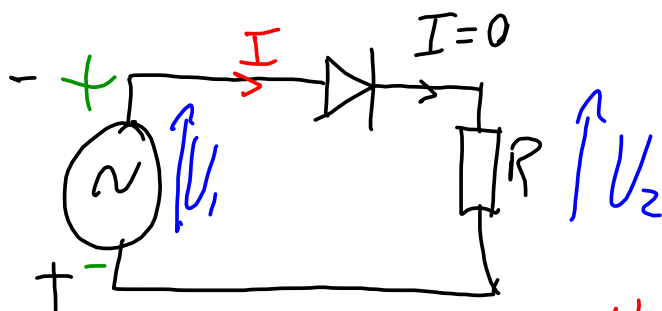
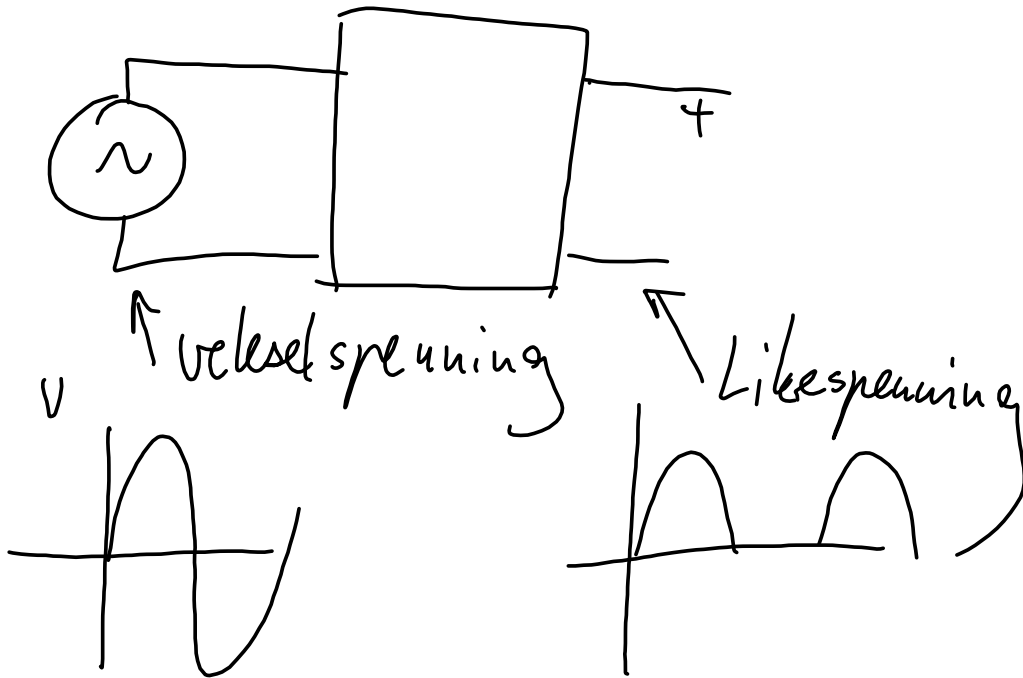
Dioden leder

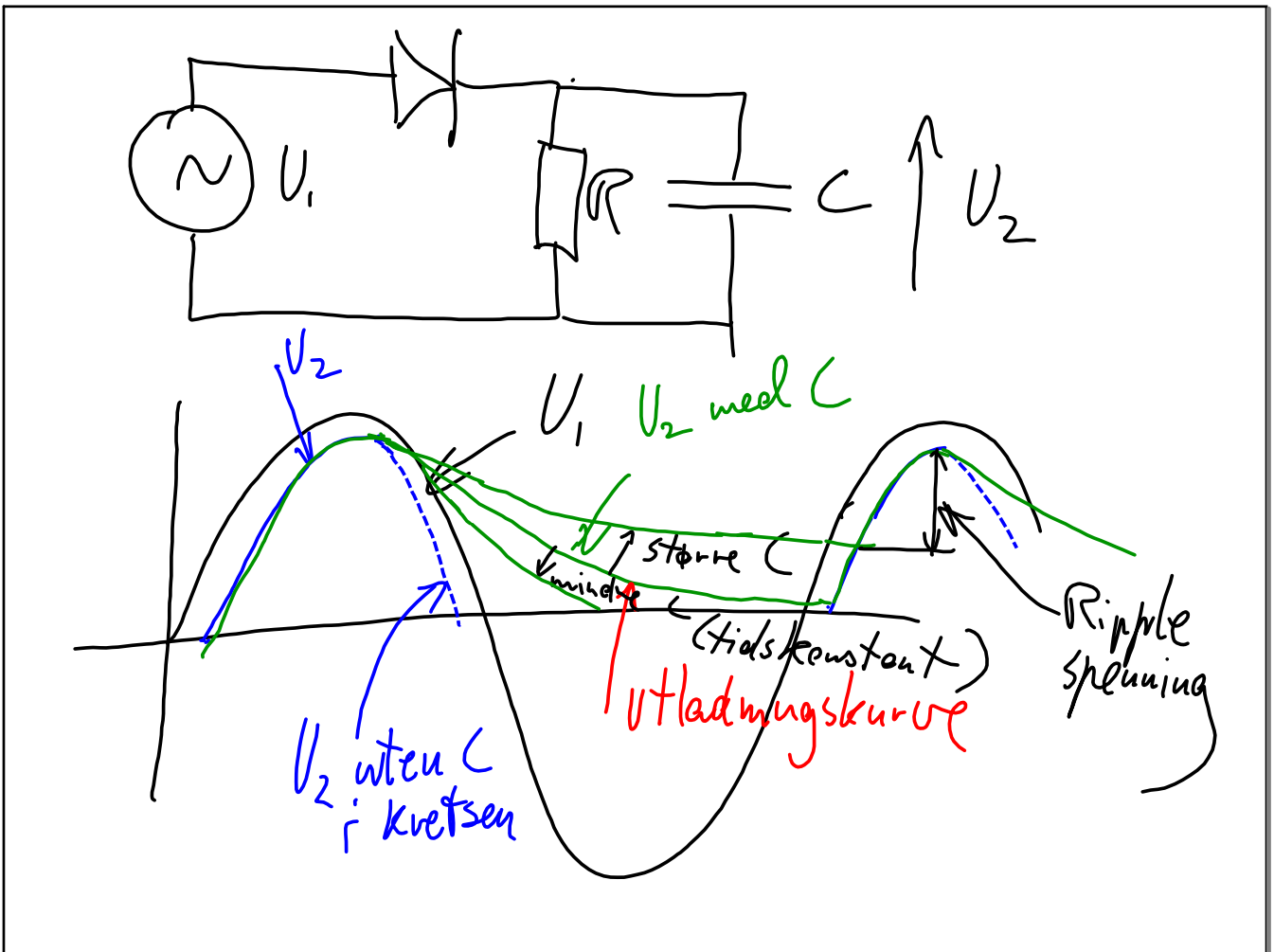
$U \approx 0,7V$ (Si)

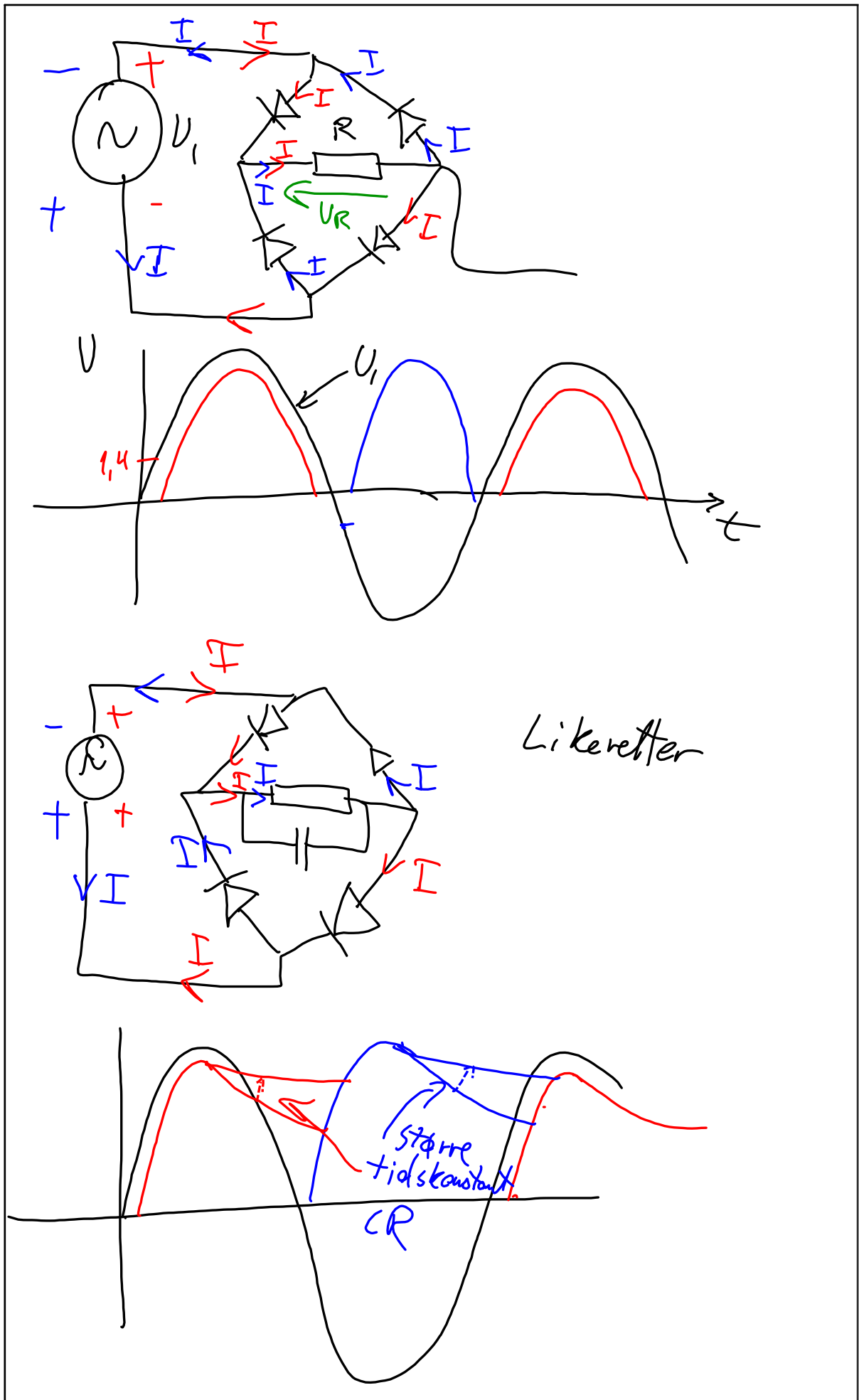


$I = 0$ Dioden sperrer

Dioden brukt i en likeretter

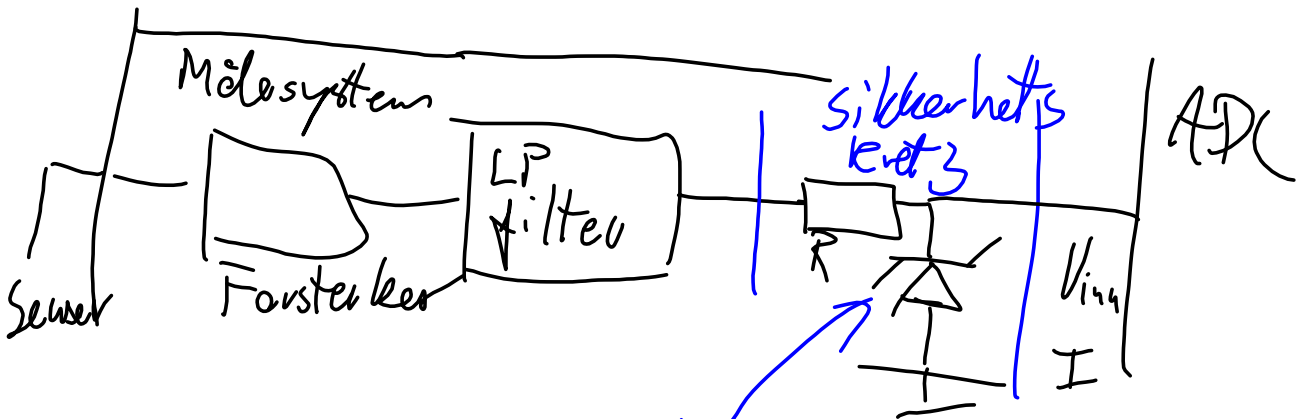






Sikkerhets krets

→ spenningen aldri blir større enn det som ADC'en tåler



Velg zenerdiode med "riktig" Zenerspenning

Eks: ADC med FSR = 5,0V

Velg zenerdiode med $V_z = 5,6V$

