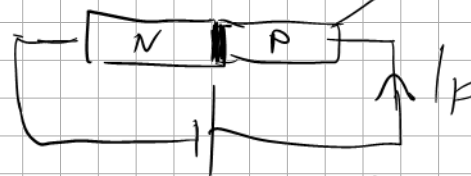


Dioden RLE Halbleiter, Si

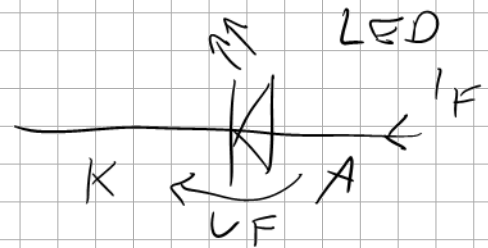
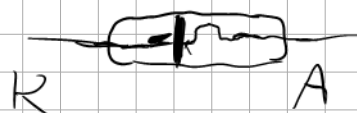


Dioden leiten nur in  
einer Richtung den  
Strom



Symbol / Si-Diode  
Ge-Diode

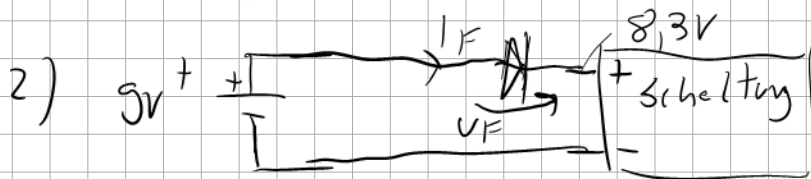
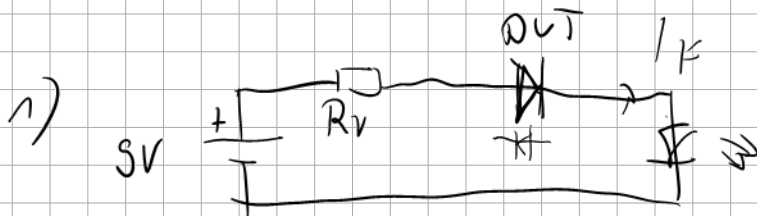
- Schottky diode



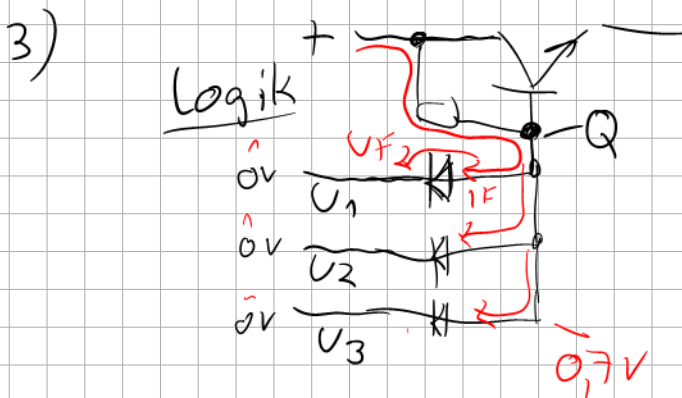
## Schaltungen mit Dioden

DUT: Diode unter Test

Diodentester

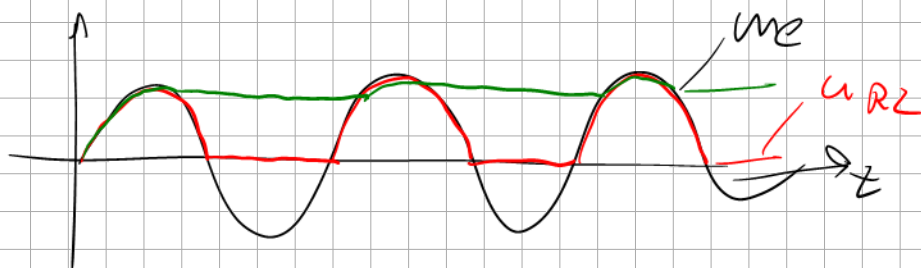
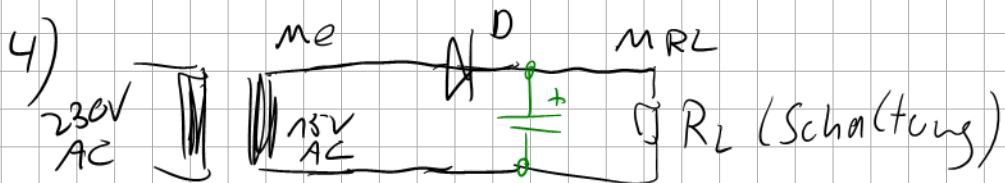


Schaltung diode

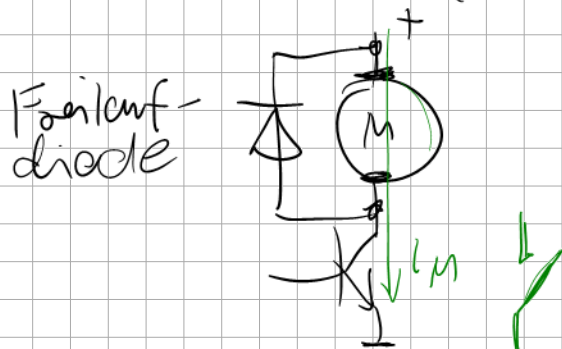


$U_1$	$U_2$	$U_3$	$Q$
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

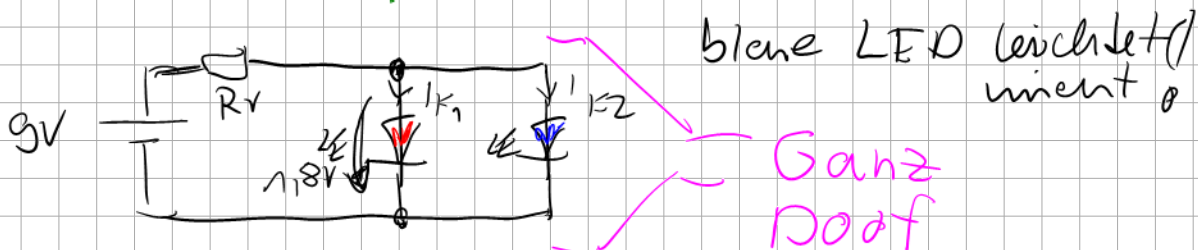
Logisch "UND"



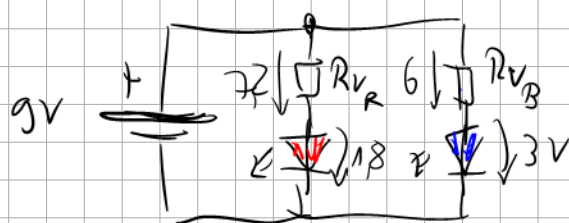
5) Freilaufdiode (Schutzdiode), immer bei induktiven Lasten



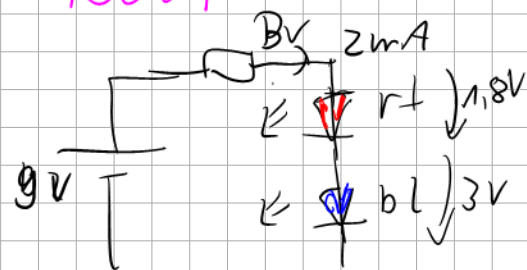
6)



Ganz Doof

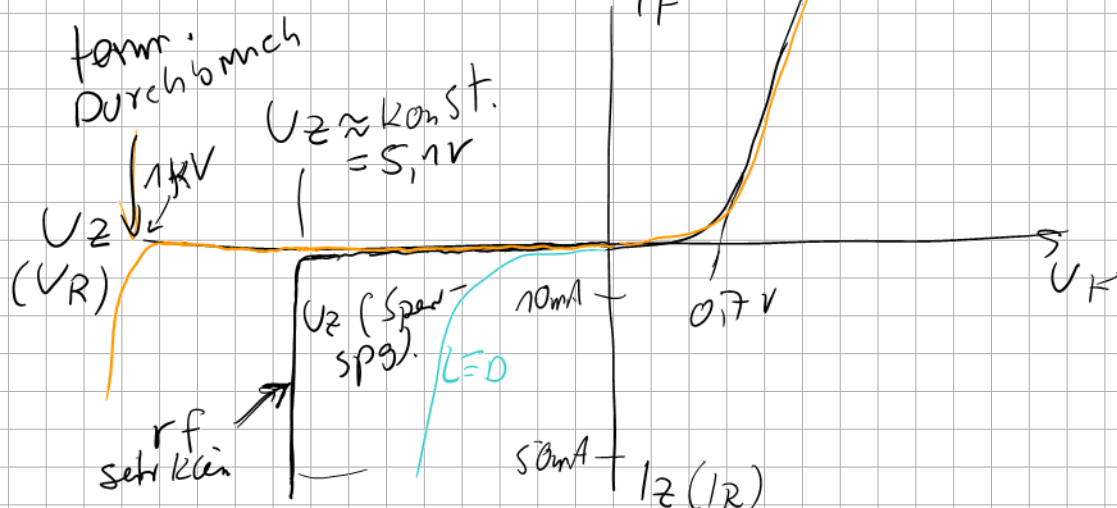


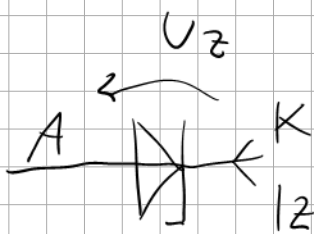
So ist es besser



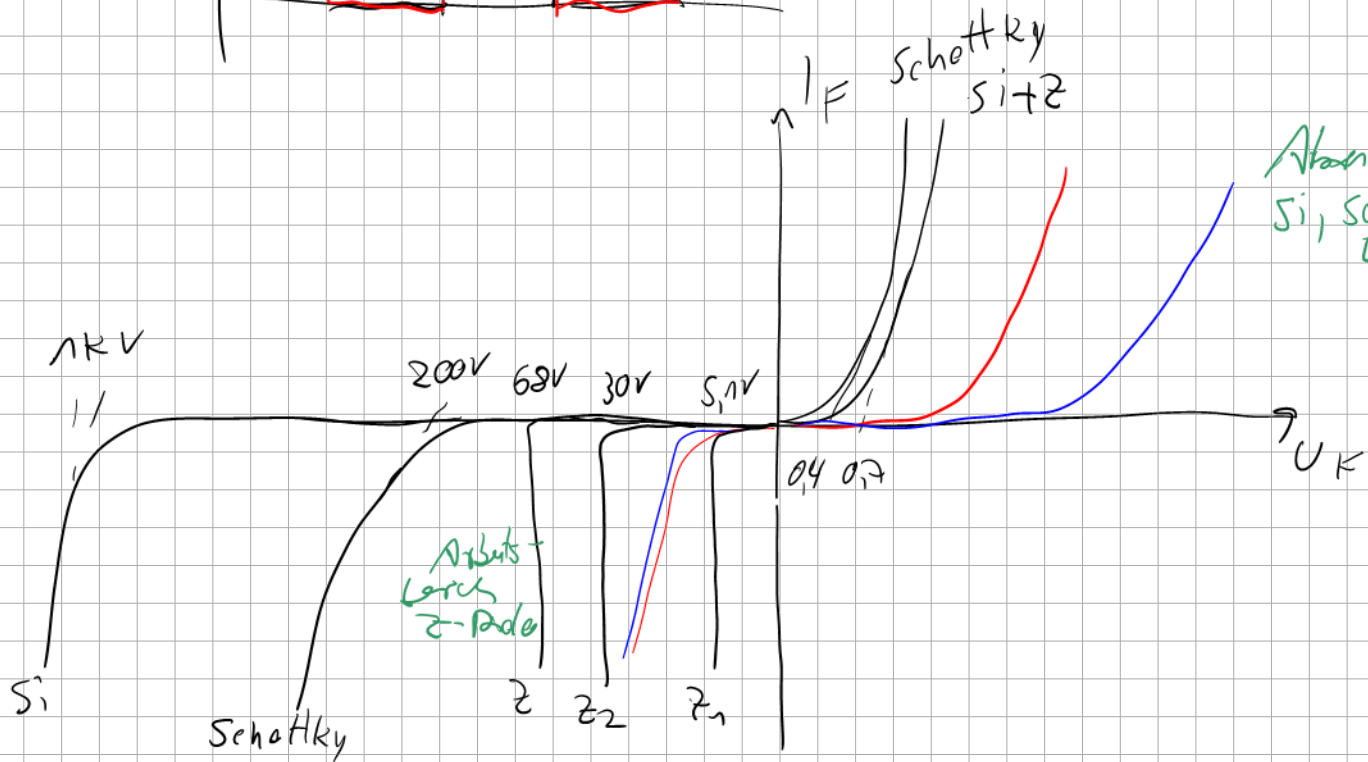
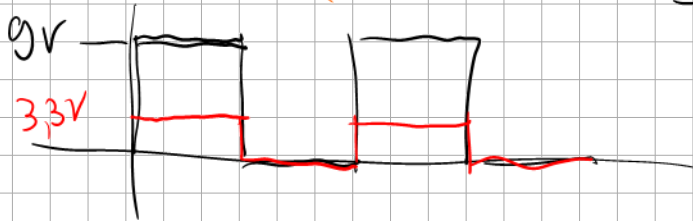
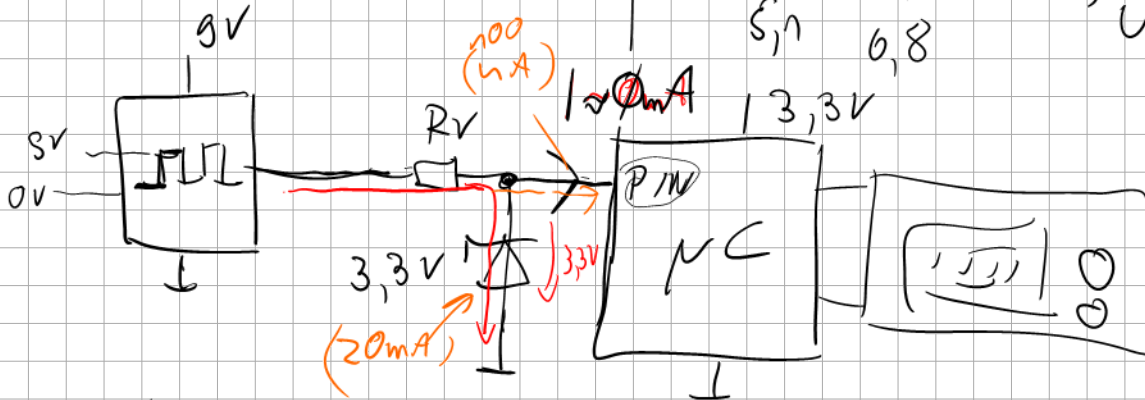
Problem sog. Intelligenz

Z-Diode (Spezielle Si-Diode)





Z-Diode



Nächstes mal:  $R_V$  + Arbeitspunkt, Transistoren  
BJT  
MOSFET