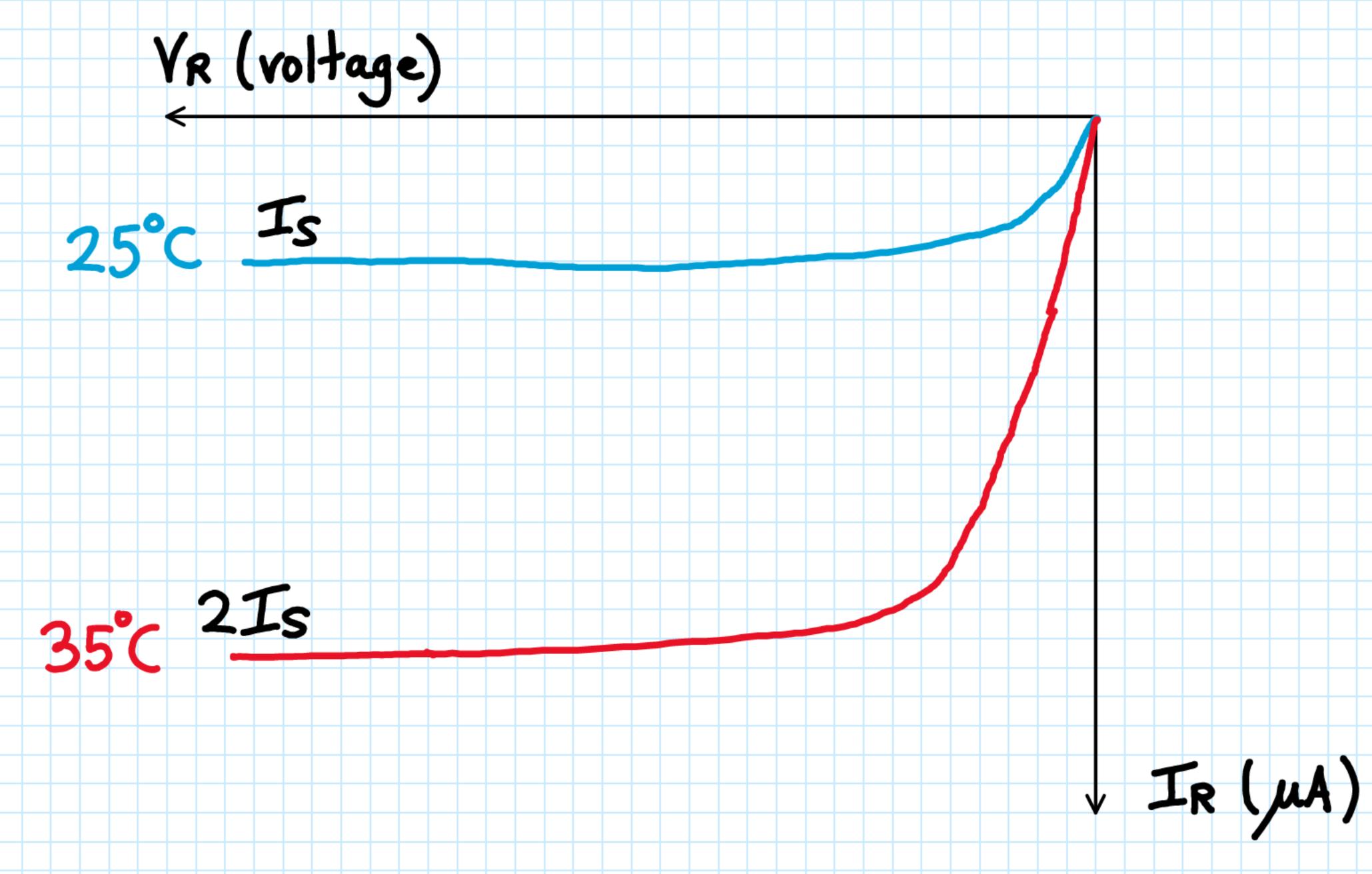
* Temperature dependence on diode I-V characteristics:

- 1) Temperature have significant effect on the diode characteristics
- 2) VT and Is in diode equation are temperature dependent towns
- 3 Increase in temperature results in increased thermal activity and decreased diode resistance, which influences both the forward and the reverse characteristics of the diode
- 4 Fact: Diode forward voltage deveases by 2.5mV per degree rise in temperature



Effect of temperature on revuse characteristics of diode

- (5) Reverse saturation current and breakdown voltage increases with increase in temperature
- 6 Fact: The severse saturation current gets doubled for every 10°C rise in temperature

