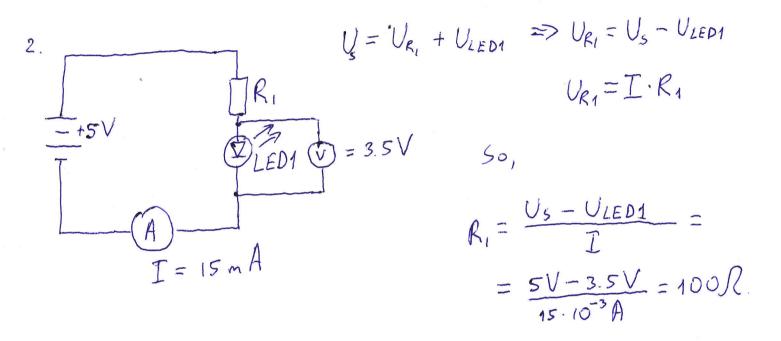
- 3. Given the LED V-1 characteristic curve, find the value of the corresponding resistor (which limits the current through. LED) to achieve at maximum 53 mW power dissipated on the LED. LED is connected to a SV voltage source through the resistor.
- 1. Using the curve it is easy to find:  $P = U \cdot I = 3.5 \, \text{V} \cdot 15.10^{-3} \, A = 0.053 \, \text{W} = 53 \, \text{mW}.$



Answer: the corresponding resistor's value is 100R.