

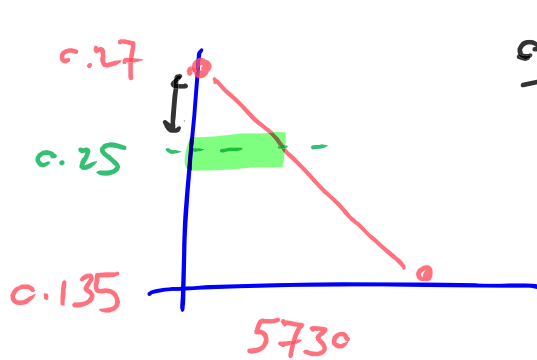
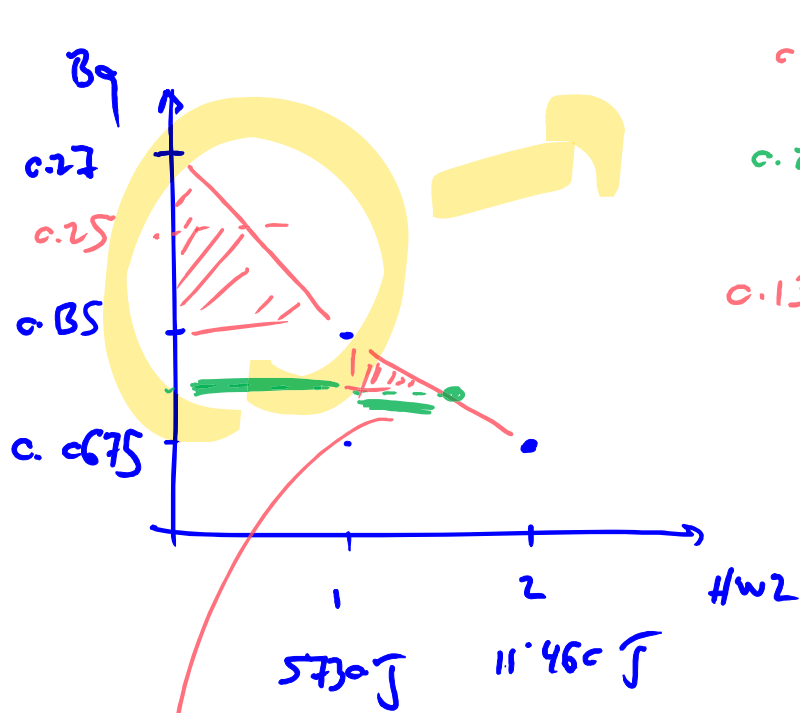
Annahme: linear Zerfall

frisches Gestein: 0.27 Bq (Zerfall  $\lambda = 1$ )

Totes Gestein: 0.25 Bq

Alter des Gesteins ?

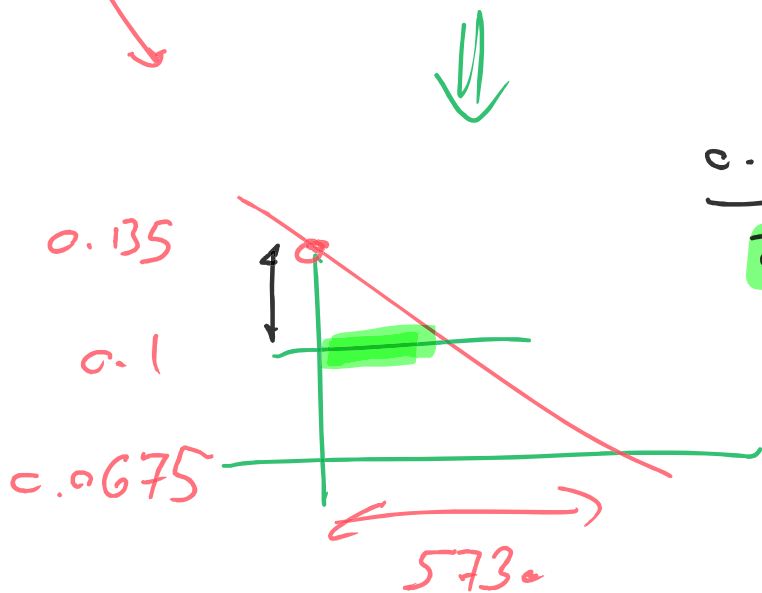
(HA: 0.1 Bq; Alter ?)



$$\frac{0.02}{?} = \frac{0.27 - 0.135}{5730}$$

$$\rightarrow 848 \text{ J}$$

$$\sim \underline{\underline{850 \text{ J}}}$$



$$\frac{0.035}{?} = \frac{0.0675}{5730} = 297 \text{ J}$$

$$+ 5730 \text{ J}$$

$$\underline{\underline{6700 \text{ J}}}$$