

$$\frac{E_{6370-60000}}{E_{6370-384000}} = \frac{\int_{6370}^{60000} \frac{GM}{r^2} dr}{\int_{6370}^{384000} \frac{GM}{r^2} dr} = \frac{\frac{GM}{6370} - \frac{GM}{60000}}{\frac{GM}{6370} - \frac{GM}{384000}} = 0,9089$$

$$\Rightarrow E_{6370-384000} \cdot 0,9089 = E_{6370-60000}$$

\Rightarrow Man braucht $\sim 10\%$ mehr Energie.