$$V_{L3} = \frac{-A}{r^6} + \frac{B}{r^{12}}$$

$$= -Ar^{-6} + Br^{-12}.$$

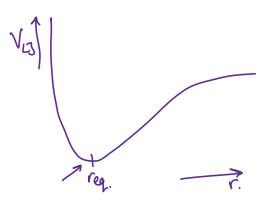
$$\frac{dV_{L1}}{dr} = 6A r^{-7} - 12Br^{-13}$$

$$\frac{12B}{\text{reg}^{13}} = \frac{6A}{\text{reg}^7}$$

$$\frac{12B}{\text{reg}^{6}} = \frac{12B}{6A} = \frac{2B}{A}$$

$$(\text{eq} = (\frac{2B}{A})^{\frac{1}{6}} = 6\sqrt{\frac{2B}{A}}$$

$$eq = \left(\frac{2B}{A}\right)^{1/6} = 6\sqrt{\frac{2B}{A}}$$



dV13 = 0 at huning paint.