ittel.
3.3. | 42: == 50 × (516 erg.

Colore erozog in. kittel. 6=2.96 & 1 kJ/mole. that each the as sphere. Fec: 2 12-12 188 Ept = 4.45392. Computor R: (12) (12.13) =12 - (6) (14.45) 5 = 0 multipolymy by  $R^7$  on each side gives  $(12)(12.13) \frac{61^2}{R^6} - (6)(14.45)6^6 = 0$ (12)(12,13)012 = (6)(14,45)66R6 => [Rolo=1.09]. this matches (A) in kitted Thus R = 3.23 A T(12,13)(6) - (14.45)(6) \$ 4.3128-8,612 2-4,2994 E = 50×10-16 erg = 50×10-23 J = 5×10-22 J. U(R) = 2× 6.022×103 × 5×10-22 × (-4.2994) /mol = -2.408 ×103 Joules /mol 72-24 kJ/