	EEKA HW7
	Ma -s resulting ?
4	RAB = resisting of M, + results of Mo Tirclength of each bar u L-kt.
	RAB=: P1+P0 =   P(L+K+) >2
(8)	Rap Vort = -RAS
	2 Pat
	E Vin

121 -Prot 2770 mAh at 3.8 V = 10526 mWhr Barren F. 0110 = 400 mW 10,526 mWhr = 26.215 Hrs. 400 mw 3 1 José = 1 variecond 1 526 WW W 1000 NOT 1 E DMF 2 1 Coslombo 2770 mA by x 3600 sec = 0072000 mAseconds = 9972000 Coulombs 9972,009,600 × 10-19 = 6,024719 × 10-85 Electrons (0' From prevos quecho 2770 mAH @ 3.8 V = 10526 mWhr 10,526 mwhr. 31 Days 2 326,306 mWhr are 31 ds 2 0.326306 kWhr. 128 2 approximable 4 cents @ Energy 2 power. time P2 I' Root SOOME resist + Root in some so ( VZJr Jz y Jrz 5V 200 m. P. + P. bat P. (5 dent (25 2 bal 2) 25. d(x).(x+{1}) - x. d(x+1)2 (x+{1})2 (x+{1})2 (x+{1})2 Let Rest=x

(40) = 25.  $(1.(x+\frac{1}{2})^2 - 2x.(x+\frac{1}{2})^4$   $(x+\frac{1}{2})^4$ 2 2 c ( ( \( \gamma + \frac{1}{2} \) = 2 \( \gamma + \gamma + \frac{1}{2} \) = 2 \( \gamma + \frac{1}{2} \) = 2 \( \ga (7+1)4  $\frac{25}{(7+\frac{1}{3})^2} = \frac{50}{(7+\frac{1}{3})^3} = \frac{25(x+\frac{1}{3})-50x}{(7+\frac{1}{3})^3}$ = 959 + 5 - 702 = -252 + 5  $(24 + 1)^{3}$ -25-(2-3) db =0 wh 4= == 2 Rpat RTOLL in sere = 400 ms2 - 2 = 200 m C so the bester all 5 54 = 12.5 Amps 0.412. Peter 2 Trad > Phil: 1252 + 0.2= 31.25 watts to get change the 10.526 Whr & 20 minotes

inglish 5 CANO! 12. abscrely, we em see Hed RTH = R, R2 R, + R2 Yout 2 Rika - Vs 2,+00 B R objernation, vous & Reo Vs Ro (1+aT) Vous Relacitation Ve (Vout)(R) + (Vout)(Ro) (1+at) = (R)(Ro)(1+at) Vé (Vout (R) = (R)(Ro)(Itat (Ve) - (Vout (Ro)(Itat) (P, X Ro) (Vs) - (Vout) (Ro)  $(1+\alpha t)$ (Nox) (R) (Ro) (RiVs-Vout) OL.

 $\frac{E_1 E_2}{E_1 + E_0} = \frac{E_1 (1+\beta t_1) e_0 (1+\alpha t_1)}{(R_1 (1+\beta t_1) + E_2 (1+\alpha t_1))}$ 10- E 1+ ET + Vot ( & ) (+at) = e, ( 1+87, 10) (1+xt) - (R, Ro) (1+ Bt + ol 1 + foi 10-- ( E. - Et - Goldot = 1+ 126 + at 1 30122 10- P, + R, Bt + P2 + R2 OUT) -1 2 T (B+ 2+ 2BT) Vos lose of Vol Valot -1 2 (LBE) (Ital)

Re 2 2 21 10- ( 1 ) = (+Bt) (+df, -V.+Bf-Vel 2+ Rp +R) R2 R, R2 R 2, (1+x++ c) (1+x0) (+c) 50 1000 E Co. 152 1+ oft 12 P, Rg yes, this count on to Vod (2+0; -1 = T

Wiles GA 12 = p. 4 => PE, -E2 = P ( W.t) PEI-FO = 1-2m (12×10-2m 3×10-2.0.5×10-3m) 24-92 8 L 2 2 2 3cm ( Ep 2 2 1.25 kg Pp. 2-3cm Pro- = 21.667 LP 0, 3 B 3 3 e, e 12-7a ee2-8, = 2.083362 21.25 KB & 1-667 6/2 12.083360 a 4.676-2 VRG-E = 1 MA. REG-B => VBG-B = 9.167V

J = 4, 5 k2 FR2 £ 123 12 12 12 CM 9 2 516 E Pen Pig 2 P, 1 P2 IP3 2 (12 cm - y2 + y2 - y1 + g1) . 562 (12 cm + y1 - y2). 5 kol 2 - 2) 12 cm 12 cm (92-51)/2 .5V we in soul wese to duty believe it he fouch post Ve, - Es = Ta, = 91.50

7	Firel H MWH of the Somsony Color 58+ als 3500 meh batter @ 8. FSV
A	3500.3.88 = 13475 mWWr
	2300 x 3100 2 13113 month
e,	Conert b josles : 13475 × 3.6 sent 2 3 48.516
	hu c
C	Covert to Colon 3500netter 3600se 2 126 00000 Colos.
8	I order on this assigned alone.
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