









AOUAY Low spe Date: Br= 1/2 Fe + 1/2 Fo B2= 1/2 Te + 1/2 To B3= 1/2 Te - 1/2 1. Ba= 1/2 Te - 1/2 To T = A + B - (C+D) A + B + C + DA+B+C+D Now, Te= -34/30 + 136 - 1/36 + 136/392 + 36/39 -36/3a+j3b+j/3b-j3b/3q2 -3b/3a $= \int (3b - \frac{1}{3b} + \frac{3b}{36} + \frac{3a^2}{3b} - \frac{3b}{3a})$ 16 = +36/3a+136-1/36+136/392-36/89 36/3a+j36+jBb+-j36/3a2+36/3a $= j(3b - 1/3b + 3b/39^2)$ 236/3a+j(8b+1/3b-36/3g2) $B_1 = \frac{1}{2} (T_0 + T_e) = 0$ [Reflection at post 1 = 0] $\frac{1}{2} \int \frac{(3b - \frac{1}{3}b + \frac{3}{5}b/3a^2)}{(\frac{23b}{3a})^2 + (\frac{3b + \frac{1}{3b} - \frac{3}{5}b/3a^2)^2}{(\frac{23b}{3a})^2 + (\frac{3b + \frac{1}{3b} - \frac{3}{5}b/3a^2)^2}}$ ⇒ 3b- 1/3b+ 3b/3q2 =0 => 3b2-1+362/3q2=0 ⇒ 362(1+/342)=1 $\Rightarrow 3b = 3a$ $\sqrt{1+3a^2}$ => 3a = 36 J1-362 :. Te = 2 -343a +j3b+j/3b-j3b/3a2-3b/3a -36/30+j(36+/36 36) - 543a+j36









