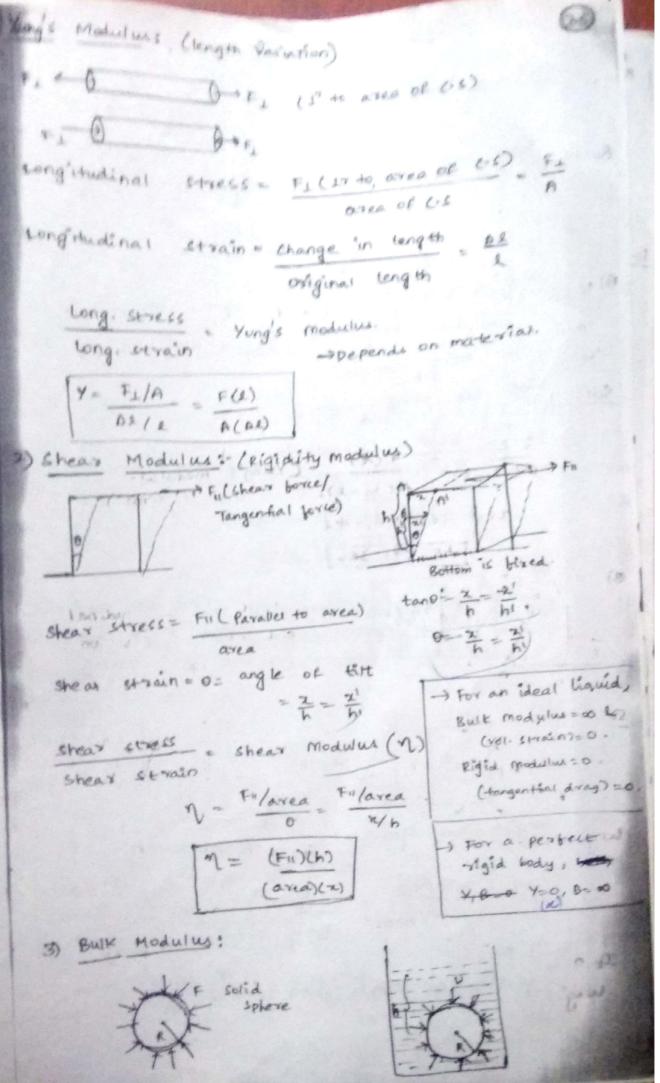
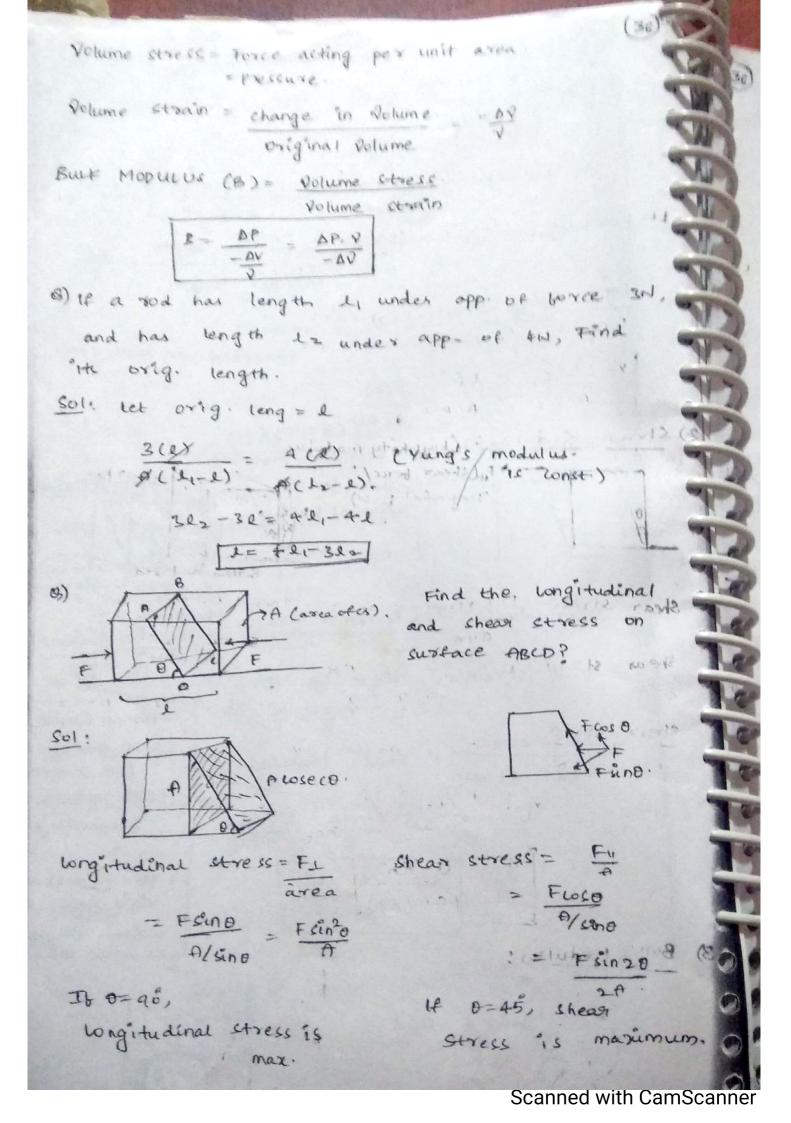
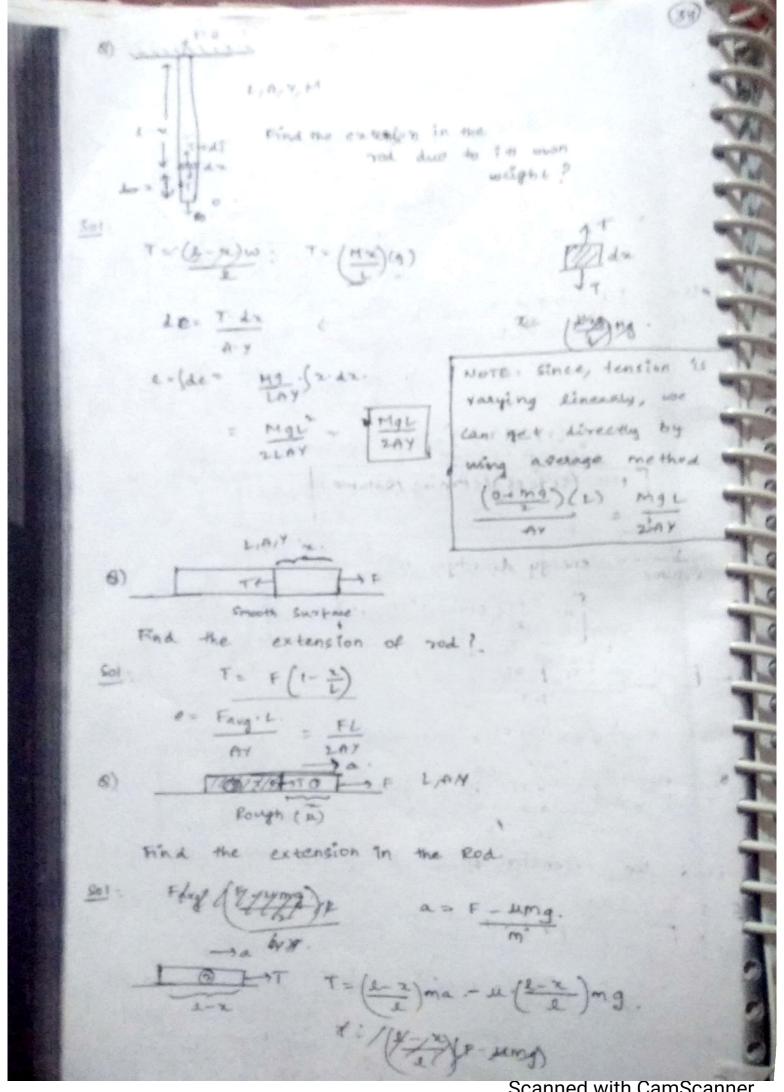
ELASTICITY: Con app forces, solid bodies deform) Non- Tigid Elaure Object: -the object is able to regain its shape & size after removal of deforming forces object is said Liexternal forces. to be elastic instastic object. Plastic object: - ie object is unable to regain its shape & size after removal of deforming forces object to said to be plantic STRESS: defined as force acting pa unit area. stress = Force , + () Area tentile, strain = change in dimension. STRAIN: original dimension Stress & strain (Generally but not stress = [modulus] strain (only for small deformation) strain - [Nodulus] The large deformation stress



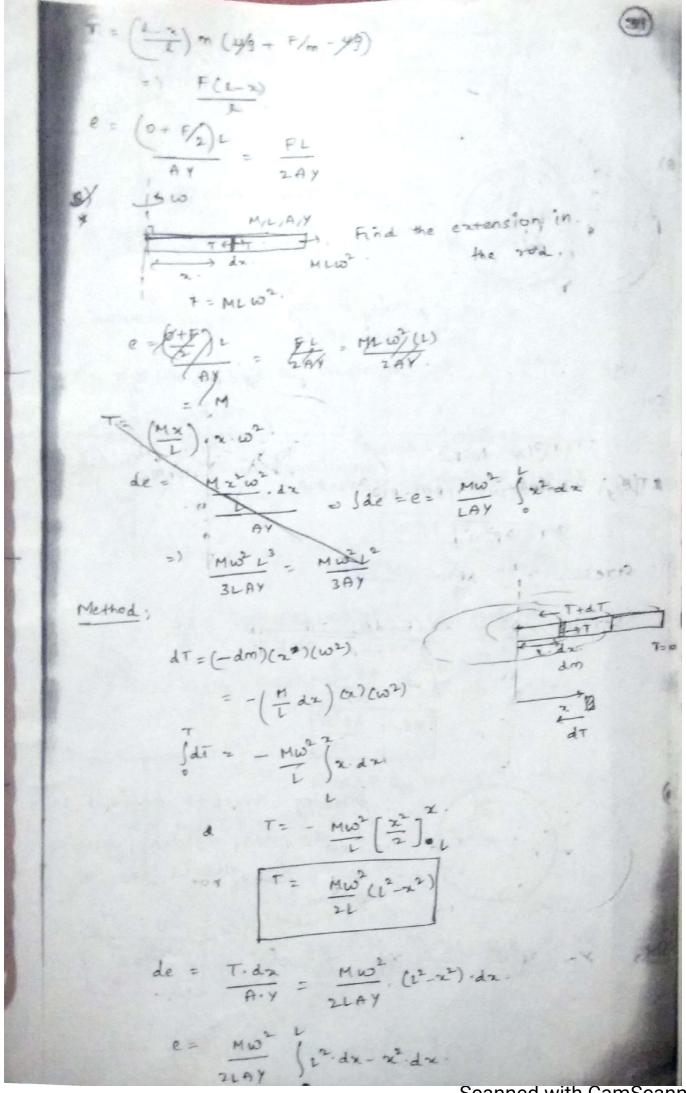
Scanned with CamScanner



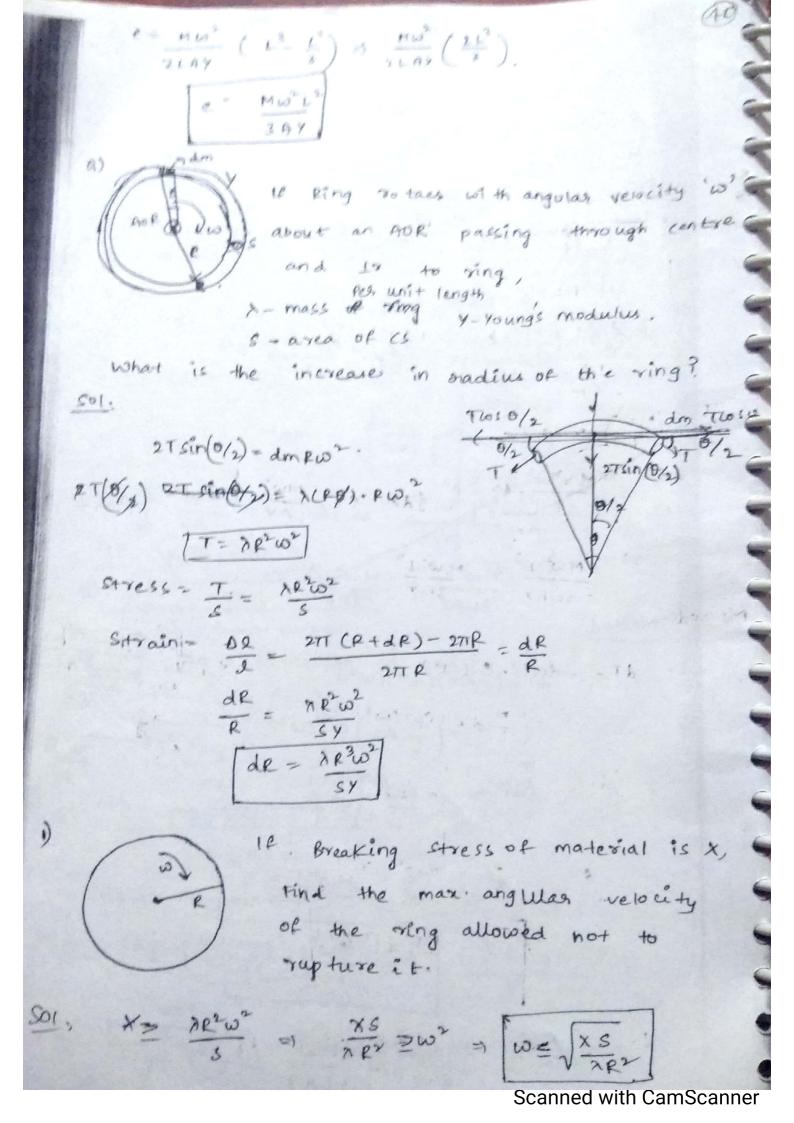
Scanned with CamScanner



Scanned with CamScanner



Scanned with CamScanner



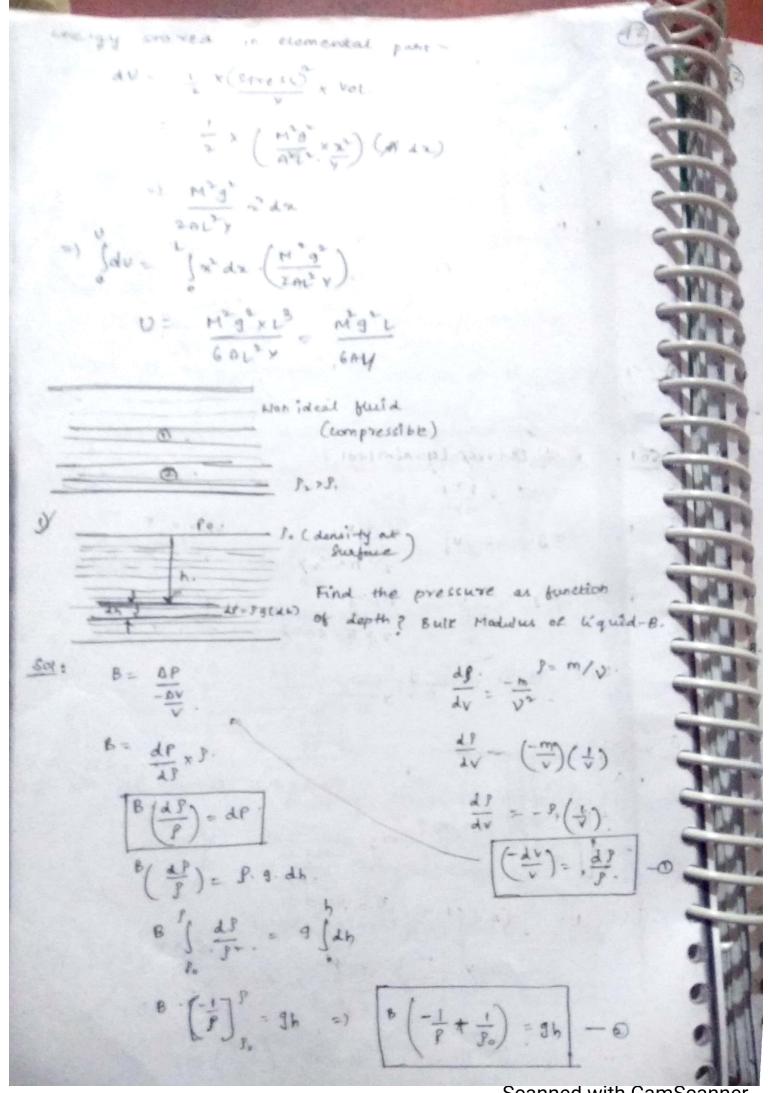
Find the dotal startic FE stored in

$$V_{1}=1$$
 the system.

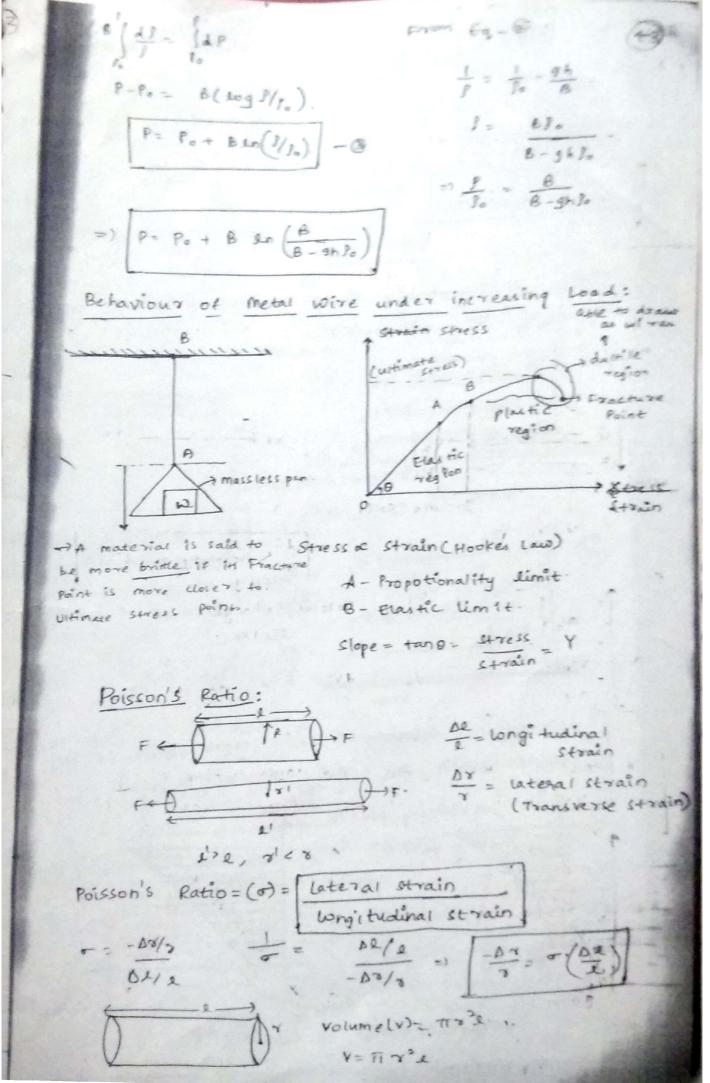
Sol.  $0$  To 2 Mg.

Shess =  $\frac{2}{10}$  My  $\frac{1}{10}$  My  $\frac{2}{10}$  My  $\frac{1}{10}$  M

Scanned with CamScanner



Scanned with CamScanner



Scanned with CamScanner

