· TIPS & TRICKS

1> Combination of Springs

· Series Combination

- Force on both where keg= kik2 or spring is same
- Spring is same

 Extension in spring is different $\frac{1}{2} = \frac{1}{2} + \frac{1}{2}$ $\frac{\chi_1}{\chi_2} = \frac{1}{\chi_1} = \frac{1}{\chi_2} = \frac{1}{\chi_1} = \frac{1}{\chi_2} = \frac{1}{\chi$

· Porallel Combination

- · force on both spring different
- Extension in spring is same. $\frac{F_1}{F_2} = \frac{R_1}{R_2} = \frac{PE_1}{PE_2}$

1-more M As x' is same

· When two masses

MI MINE ME MINE S REDUCED ?

MI + M2 (MASS)

So,
$$T = 2\pi i \sqrt{\frac{M}{k}}$$

SPRING MASS SYSTEM: FOR SOLVING THESE USE Z-STEP

ANALYSIS MENTIONED IN TIPS & TRICES

PART OF LECTURE-1 SOME 1111111 1111111 11> 111> I = Moment 14>

 $T = 2\pi \int \frac{M + \frac{I}{R^2}}{R}$ of Inertic,

No Slipping