

HIGHWAY Vs Jel > Vs FRONT The FRANT frame of reference t L+d = l Vg-VF 1=12m Vg= 85m/2 Ve=5m/2 For stationality Vx = D  $\frac{12+d}{25}=\frac{12}{5}$ :. d= 48m = DUTACK BETWEEN JUT MI 29AS OUT FAST LACKE (HIGHWAY)

BEAD PROBLEM. BEAD RADIUS Z T DISTANCE TRAVELLED BY BEAD () =(L-2=) X Z TIME TAKEN FOR THIS VIJE'S = 2 (L- 28) CHANGE IN MOMERTUM OH COLLISION WITH THE RIGHT WALL = ZmV . . average Force on RIGHT WALL F = 2 mV 2 (L-Sr) = mu2 Interesting aside vernank [P(V-b)=RT Prossure ONE-DIM = = 1 KT LEquipartition)