	20-P-MOM-DY-37
	A heavy metal chain is lowered onto the floor at a constant velocity v= 2 %. The chain has the idensity p = 2/cy/m and r length of l = 10m. Determine the normal force exerted by the floor as a function of time
	and clength of l= 10m. Determine the normal force exerted
	by the floor as a function of time.
	6) IV
8	Solution: du dm dt Vp
	Solution: $\frac{du}{dt} = 0$ $\frac{dm}{dt} = Vp$ . $\overline{Z}F = m \frac{dv}{dt} + v \frac{dm}{dt} = V^2 p = N - pvtg$
	$\sqrt{1-\sqrt{1^2+1/4}}$
	$N = (v^2 + vtg) \rho = (8 + 139.24t) N$
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