Vin Az Pz Ex12.7 p 387 Y. P. A. J. Use egn of continuity to God speed of flow in smaller pipe, V2. A, V, = A, V, $\frac{V_2}{A_1} = \frac{A_1}{A_2} V_1 = \frac{T_1(\frac{d_1}{d_2})^2}{T_1(\frac{d_2}{d_2})^2} V_1 = \left(\frac{d_1}{d_2}\right)^2 V_1$ $= \left(\frac{2cm}{1cm}\right)^2 \left(1.5 m \cdot 1\right)$ V2 = 6.0 en 5-1 · Volume Mor sto, dV = ALV2 = 1/4 di Vi = 1/1 (1/102 m) 2 6.0 m = 4.7x10-1 m351 = 4.7x10" dv =0,47 L5"

FILD PASSUR, Pr.

Brnoulli's egn: