Task 3.Z Ay = 17 22  $\frac{1}{4} d = \sqrt{\frac{d^2}{4}} + Zd$ (x)  $\dot{V}_D = \dot{V}_d \Rightarrow A_D \cdot V_D = A_d \cdot V_d$  This equation to get the diameter d. > For that we need both relogities is and Vol ? > Two Bernouli-Eq. for two different streamlines! Steamline I i Po+8 2 + 9820 = Po +5 2 + 9820 |-9820 10 +5 2+95(20-20) = B + 5 35 like last time: Ao >> Ay, Ad => 5 1/2 (6 5 1/2) 98 hr = 8 1/2 > 1/3 = 129hr

$$\Rightarrow g(z_0-z_0) = g\frac{V_0^2}{z}$$

$$h_1+h_2$$