1) Dano: Cu d=1,2 u Penenne Re = V.d $Q = 380 \frac{1}{c} 380.10 \frac{3}{u^3}$ 9 = 1,5 G 1,510 M2 Q=V·S=VIId Onnegenuito pencient BUXELLI $V = \frac{4 \cdot 380 \cdot 10}{3,14 \cdot 1,2^2} = 0,336 \frac{M}{C}$ $Re = \frac{0,336 \cdot 1,2}{1,5 \cdot 10^{-4}} = 2688$ Re uput < Re; 580 6 2688 Ombem: 6 mpy soupologe yemanobreno Typsyneuther gluncenne neugnoern

2) Dano: Peruenue Cu b = 6,4 M = 4,3 M Q = 906 M 0 = 0,8eG 0,810 M2 Onpegennes peneur m = ctg x = 1,6 X = 1,6.h = 1,6.4,3 = 6,88 m - nugpalnureun pagnyc w = B+b h , X = Za+b B = 2x + b = 2.6,88 + 6,4 = 20,16 m W = 20,16 +6,4 4,3 = 57,1 m2 X = 2 [x2+h2+b=2 [6,882+4,32 + 6,4 = 22,6 M

Prebuen beprynnu

10⁵ +
$$\frac{V_1^2}{2.9.81} = \frac{1.2.0^5}{978.9.81} + \frac{V_2^2}{2.9.81} + 2$$

10,4 + $\frac{V_1^2}{19.62} = 12.5 + 2 + \frac{V_2^2}{19.62}$
 $\frac{10}{10} + \frac{10}{10} = \frac{10}{10} + \frac{10}{10} = \frac{10}{10} + \frac{10}{10} = \frac{10}{10} + \frac{10}{10} = \frac{10}{10} = \frac{10}{10} + \frac{10}{10} = \frac$

4) Dano: Cu Peruenne: $Q = 400 \frac{1}{c}$ $\frac{12000 \text{ er}}{c}$ $\frac{3 \text{ M}^3}{400 10}$ $\frac{3 \text{ M}^3}{c}$ $\frac{1}{2}$ $\frac{9}{2}$ $\frac{1}{2}$ $\frac{2}{3}$ 10 FM2 UB = 10 CT P = 1000 les $Re = \frac{Vd}{v_a}$ Pu = 850 10 3 -4 M2

Uu = 1 CT 10 C Q= W.V = Td2V V = 40 = 0,35 M Hainu hen Re = 49 = 4.400.10-3 = 4246 Re > Reuput MypSyncutum penum phgn = 0,04. 12000 · 0,352 = 2,5 w Ombem: hen = 2,5 m

5) Dano: Peruence:
$$d = 1,2 \text{ in} \qquad \Delta P = PB \cdot C \cdot (V - U)$$

$$l = 3200 \text{ in} \qquad Populyng Rynobenozo}$$

$$V = 1,7 \frac{M}{C}$$

$$V = 0$$

$$E_B = 210^9 \Pi a$$

$$E_C = 2.10'' \Pi a$$

$$V = 1,2 \text{ in} \qquad P_C$$

$$V = 0$$

$$V = 1,7 \frac{M}{C}$$

$$V = 0$$

$$V = 10^9 \Pi a$$

$$V = 1000 \cdot 824 \cdot 1,7 = 1,4 \text{ M} \Pi a$$

$$V = 1000 \cdot 824 \cdot 1,7 = 1,4 \text{ M} \Pi a$$

$$V = 1000 \cdot 824 \cdot 1,7 = 1,4 \text{ M} \Pi a$$

$$V = 1000 \cdot 824 \cdot 1,7 = 1,4 \text{ M} \Pi a$$

$$V = 1,4 \text{ M} \Pi a$$

6) Dano: Perenne Popuyna Mezu b = 5,6 m h/a -- - /cq V = C/Ri h = 0,8 m M = 2i = 0,0014 | Q = V w = CR? h (b+mh) Hayru Q-7 K/p Megu C = 1 1/R R = W ; W = 0,9 (5,6 + 2.0,8) = 6,48 m2 $X = b + 2a = b + 2 \times x^2 + h^2$ m = ctg cp = 2 , x = 2 h = 1,6 M X = 5,6+2 \(1,6^2 + 0,8^2 \) = 9,2 m R = 6,48 = 0,7 m $C = \frac{1}{0.018} \cdot \sqrt{50,7} = 52,3$ Q = 52,3 JO, 7 0,0014 . 0,8 (5,6+20,8) = 9,41 ambem Q = 9,4 ?

