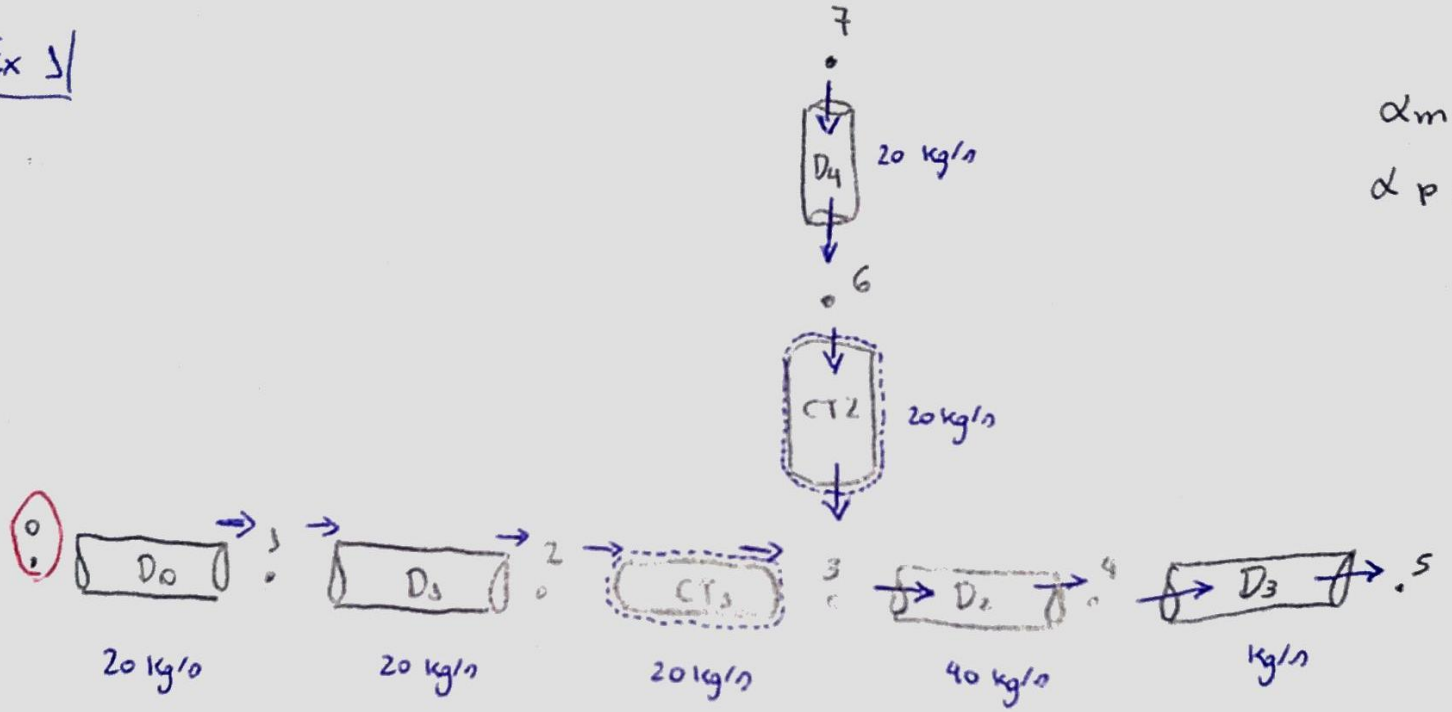
Ex 1/




$\alpha_m = 0,2$

$\alpha_p = 0,2$

$p_0 = 100.10^3$ Pa

$p_1 = 99812.04$ Pa

$p_2 = 99624.08$ Pa

$p_3 = 99053.76$ Pa

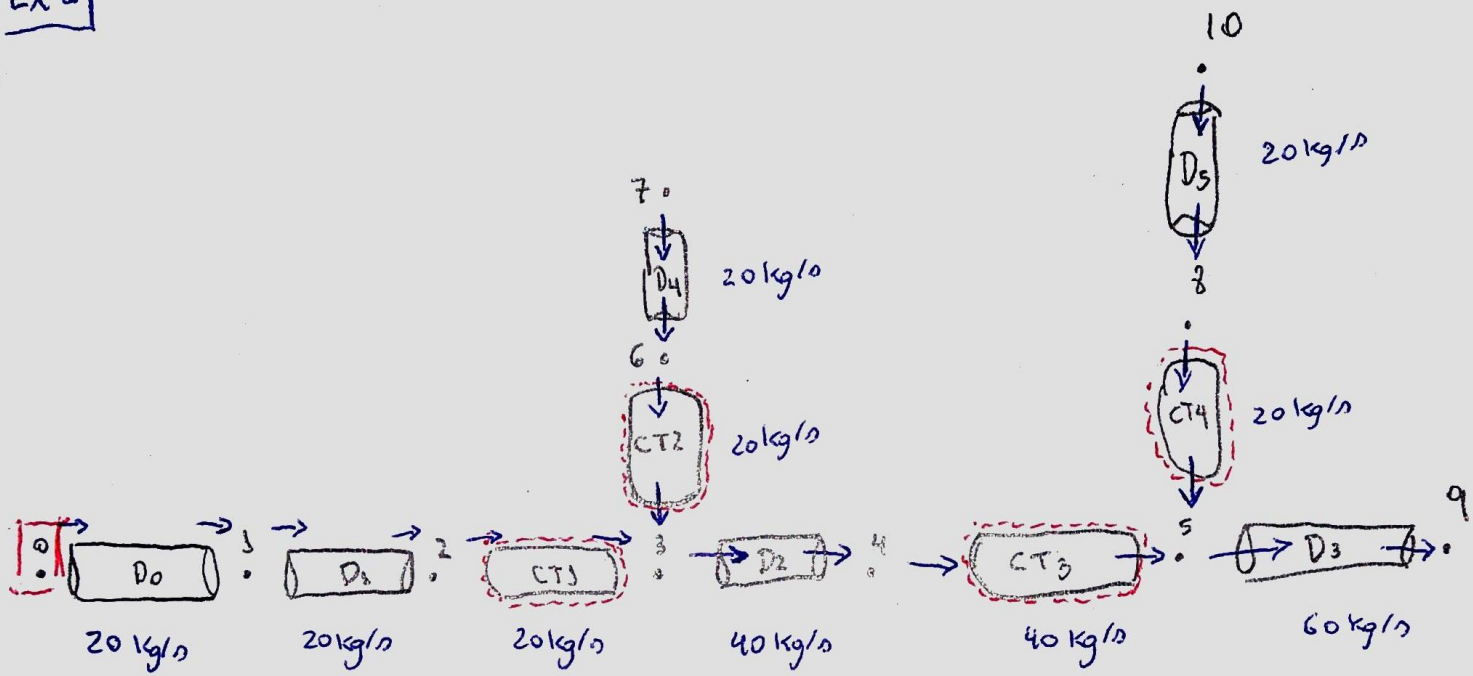
$p_4 = 98398.24$ Pa

$p_5 = 97744.72$ Pa

$p_6 = 99624.08$ Pa

$p_7 = 99812.04$ Pa

Ex 2




$p_0 = 100 \cdot 10^3$ Pa

$p_1 = 99812.04$ Pa

$p_2 = 99624.08$ Pa

$p_3 = 99051.76$ Pa

$p_4 = 98398.24$ Pa

$p_5 = 97024.67$ Pa

$p_6 = 99624.08$ Pa

$p_7 = 99812.04$ Pa

$p_8 = 98523.11$ Pa

$p_9 = 95664.10$ Pa

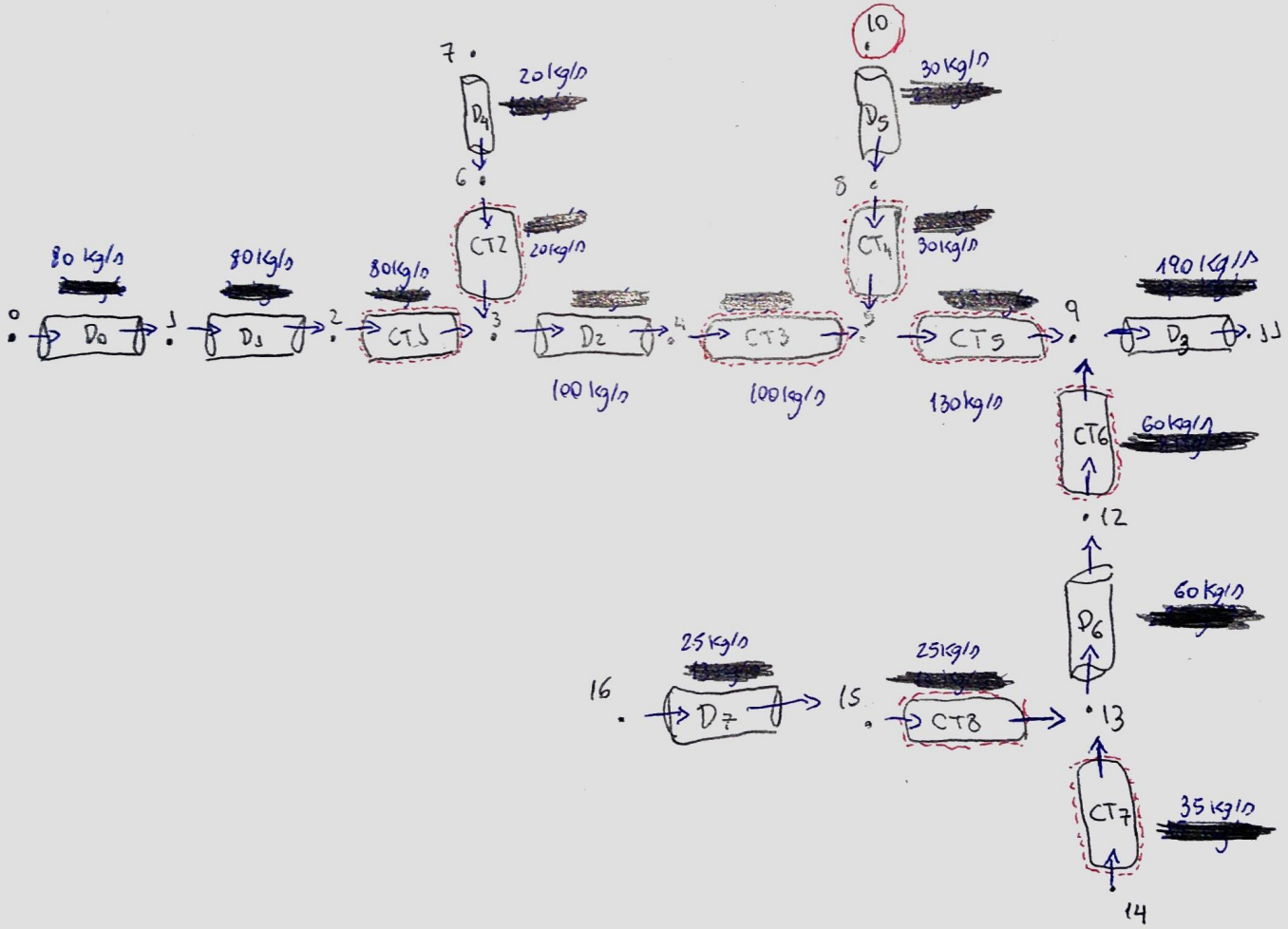
$p_{10} = 98711.07$ Pa

## Ex 3

$p_g = 0{,}95 \cdot (p_{MAX} - p_{MIN}) / 2$

$\dot{m}_g = 35$

$\alpha_m = \alpha_p = 0{,}2$




$p_0 = 244345{,}85$ *

$p_1 = 243852$ Pa

$p_2 = 239559$ Pa

$p_3 = 236775$ Pa

$p_4 = 233334$ Pa

$p_5 = 229135$ Pa

$p_6 = 237003$ Pa

$p_7 = 237395$ Pa *

$p_8 = 229650$ Pa

$p_9 = 222597$ Pa

$p_{10} = 230 \cdot 10^3$ Pa *

$p_{11} = 211489$ Pa *

$p_{12} = 224156$ Pa

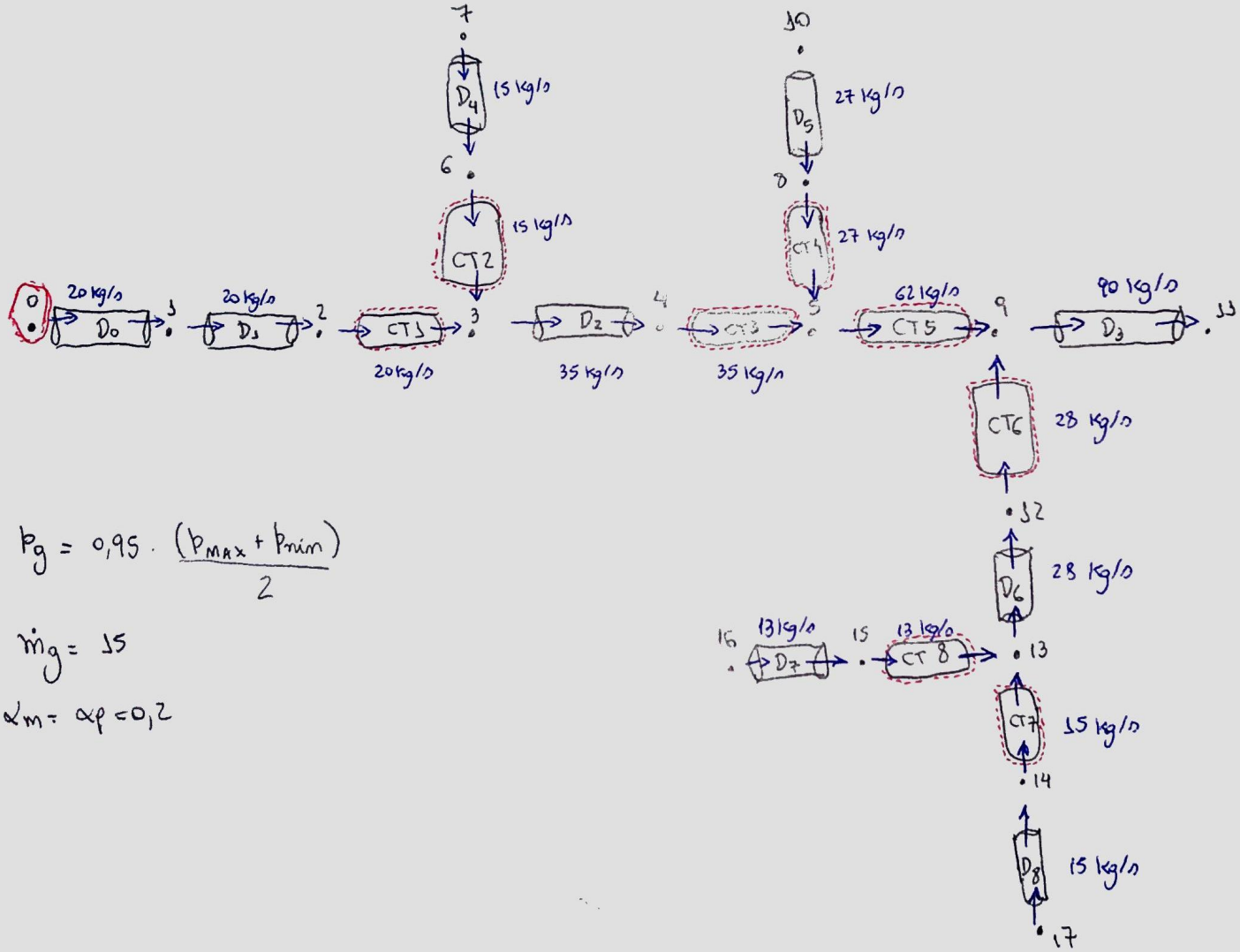
$p_{13} = 225517$ Pa

$p_{14} = 225962$ Pa *

$p_{15} = 225744$ Pa

$p_{16} = 226025$ Pa *

# Ex 4




$$p_g = 0{,}95 \cdot \frac{(p_{MAX} + p_{min})}{2}$$

$\dot{m}_g = 15$

$\alpha_m = \alpha_p = 0{,}2$

$p_0 = 100 \cdot 10^3$ Pa *

$p_1 = 99812.04$ Pa

$p_2 = 99624.08$ Pa

$p_3 = 99479.25$ Pa

$p_4 = 93965.59$ Pa

$p_5 = 98523.03$ Pa

$p_6 = 99560.72$ Pa

$p_7 = 99669.64$ Pa *

$p_8 = 98786.40$ Pa

$p_9 = 97030.29$ Pa

$p_{10} = 99308.40$ Pa *

$p_{11} = 94189.47$ Pa *

$p_{12} = 97373.49$ Pa

$p_{13} = 97737.24$ Pa

$p_{14} = 97797.97$ Pa

$p_{15} = 97777.88$ Pa

$p_{16} = 97862.67$ Pa *

$p_{17} = 97906.89$ Pa *