# C:\Users\USER\Desktop\main-qimg-1bb012541eab4437aea71a2c3cb0aa7d.png

Since we have:

Pascal’s principle:

a)

Equation of continuity:

b)

Bernoulli’s equation:

At , we have:

Therefore, the volume spill out is:

Case 1: is the first layer:

Case 2: is the first layer:

a)

b)