

Course on States of Matter for Class XI



$$\begin{array}{c|c}
A & 2 & 2m & N_A & 2 & 2 \\
B & 3 & 3m & N_B & 3 & 3
\end{array}$$

$$\begin{array}{c|c}
P & M & P & M
\end{array}$$

$$\begin{array}{c|c}
P & M & P & M
\end{array}$$

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P & M & P & M
\end{array}$$

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P & M & P & M
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P & M & P & M
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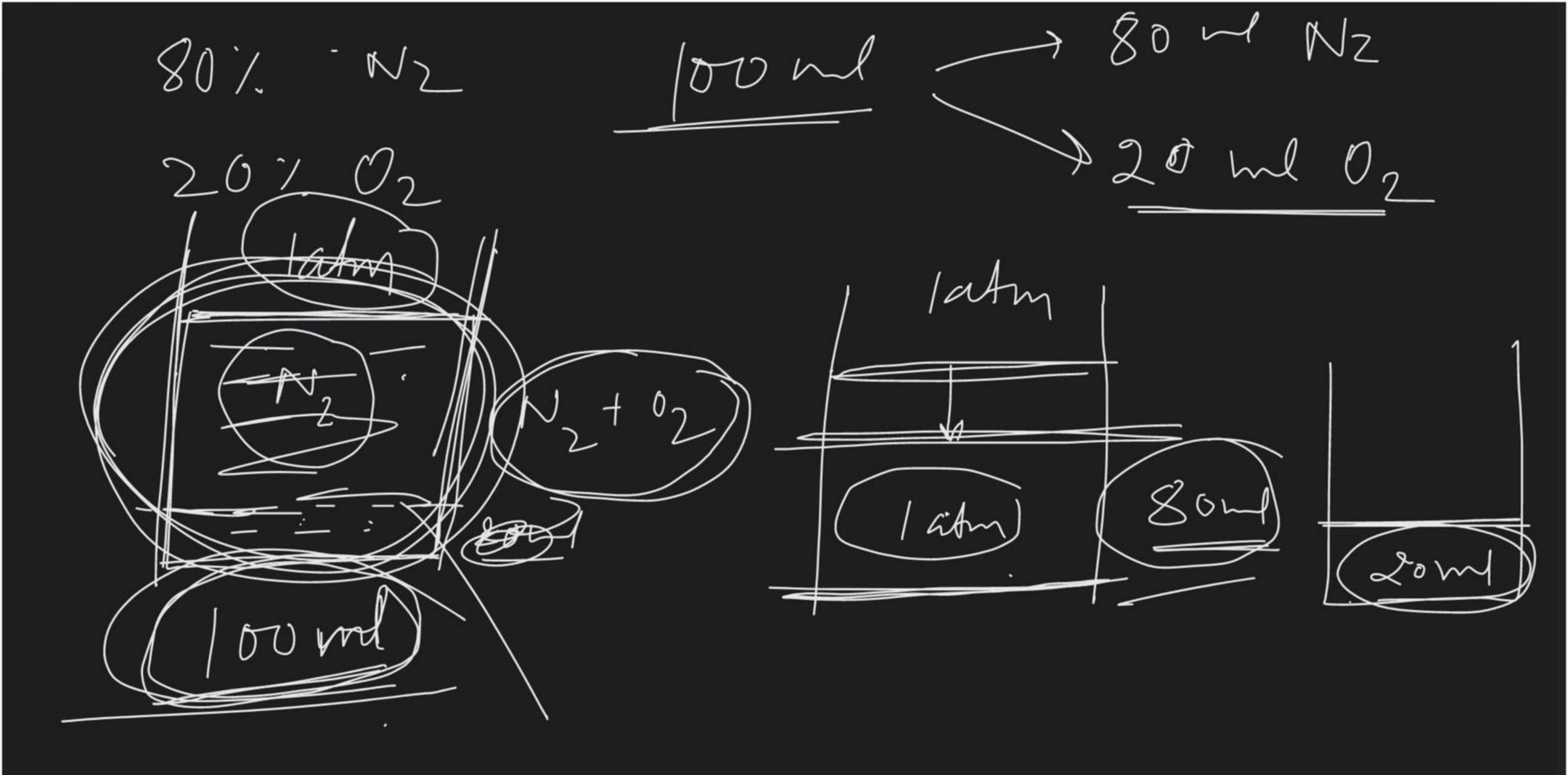
$$\begin{array}{c|c}
P & M & P & M
\end{array}$$

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P & M & P & M
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P & M & P & M
\end{array}$$

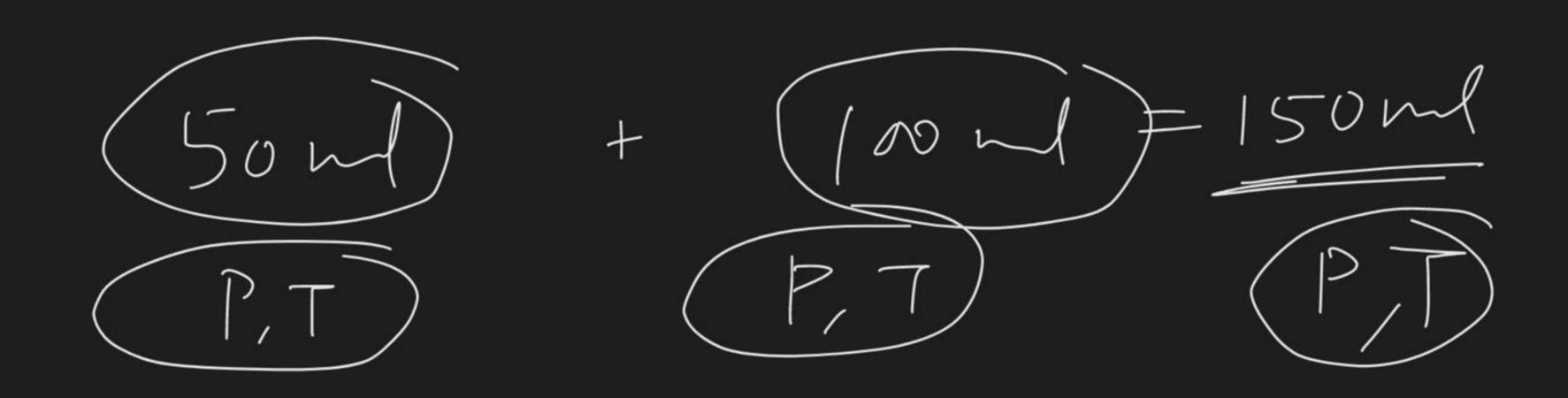
PA = 2/ PB

Amagat law of partial volume: Total volume of two or more non-vereting gases is equal to the sum of the partial volume of componed gases. Partial volume : Volume occupied a componentigles if its present at Same temperature and total pressure.



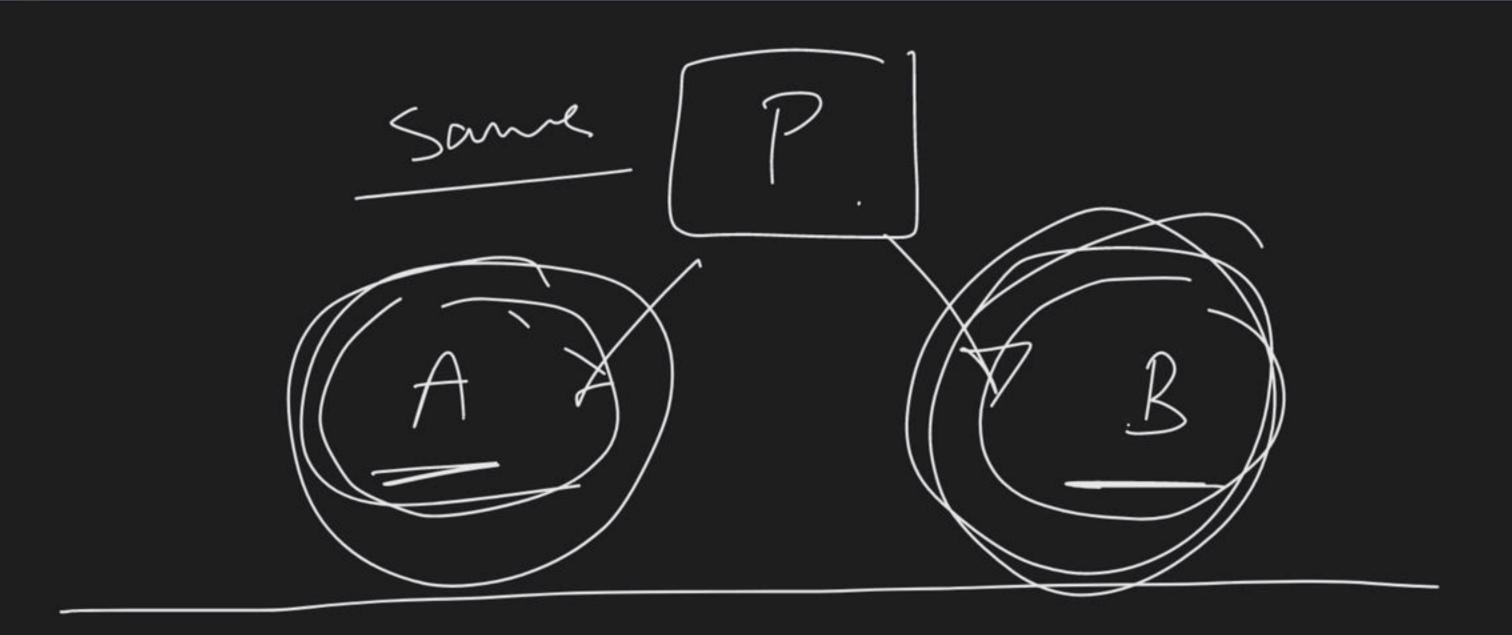
Sane V/T

Same P2-T

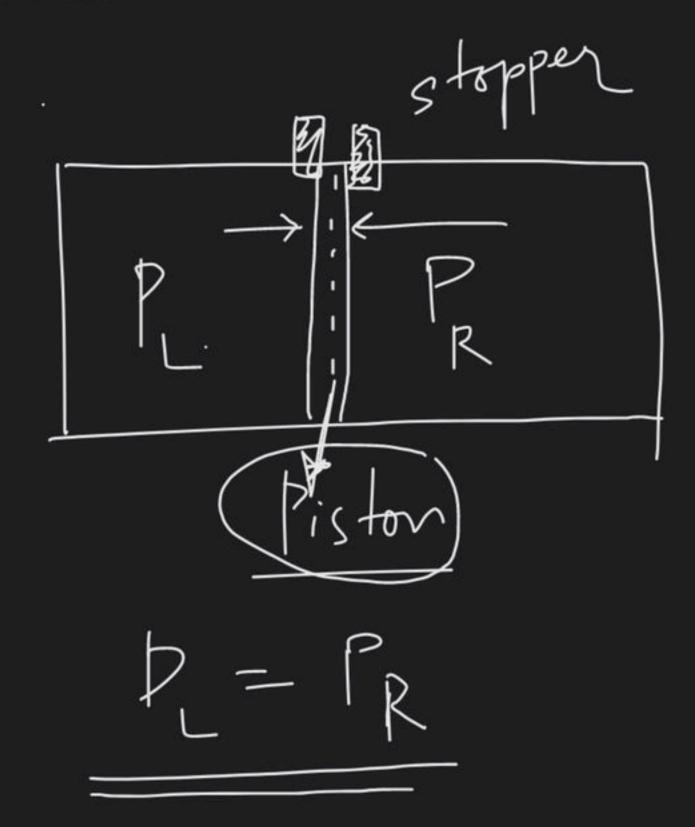


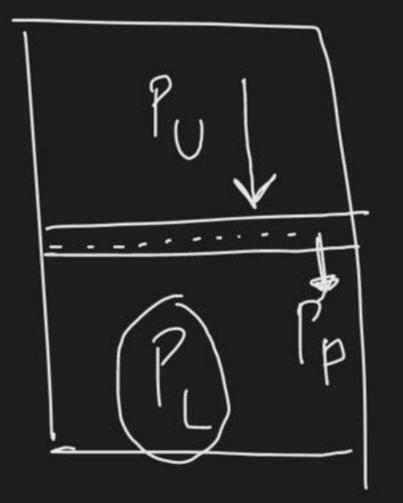
1. by prossure 1. by volume Dequal L Binversely $\frac{V_A}{V_S} = \frac{N_A}{N_B} = \frac{2}{3}$

1.by = %.by mole = 1.by June



Problems related with Piston fitted container

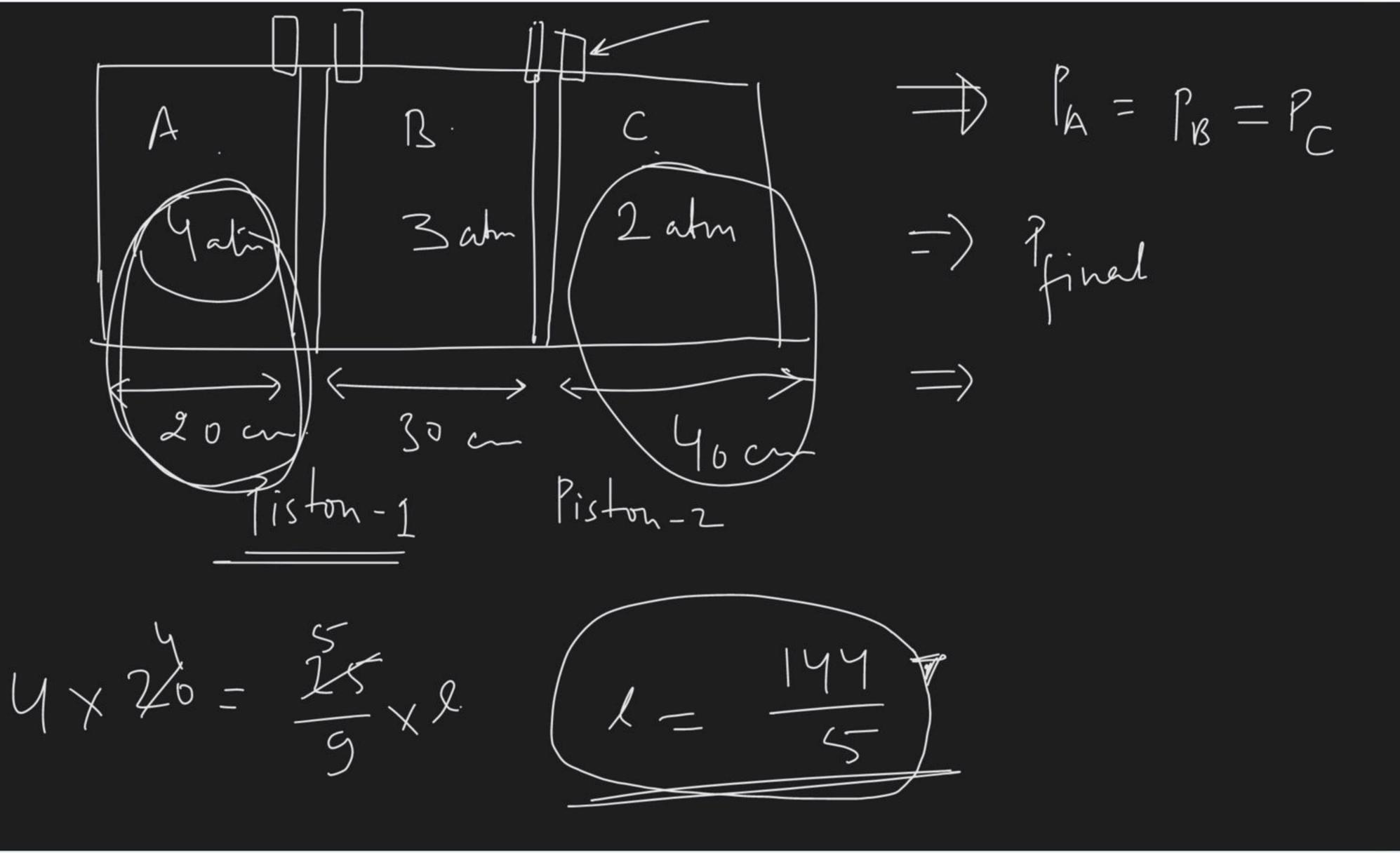


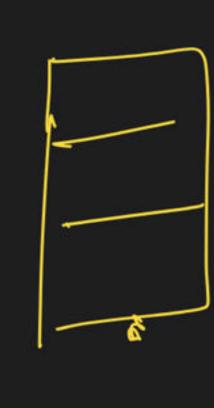


Calculate final premue H2 1 02 of each gas and position 2ctm of piston if strppens - 30 cm-> arl removed. (A) (2.5)P, l, + P2 = Pl, +-12) (B) 2.25. 3 X 10 + 2 X 30 = P × 40 0 2.75 90-9-P (D) Nove

$$3 \times 10 = \frac{3}{4} \times 1$$

 $\frac{40}{3} = 1$
 $\frac{1}{3}$





$$\frac{d_1}{d_2}$$

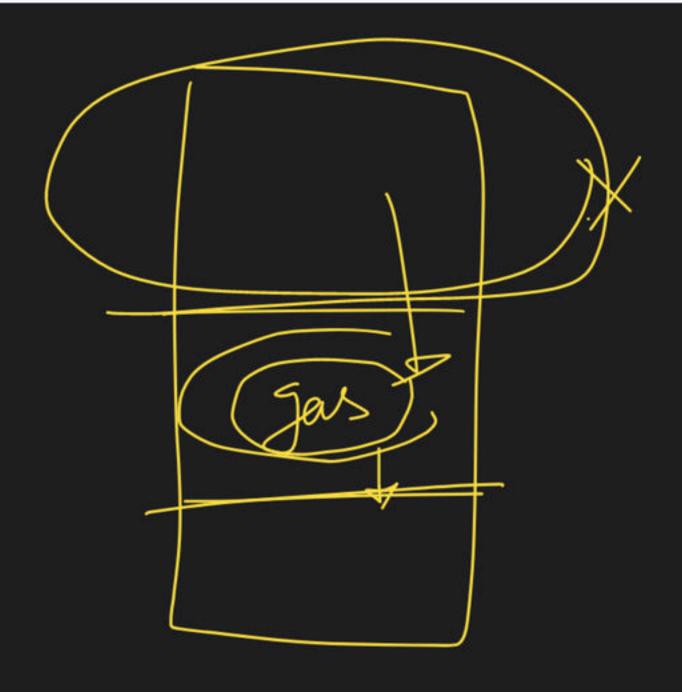
$$\frac{d_2}{d_3}$$

$$\frac{d_3}{d_3}$$

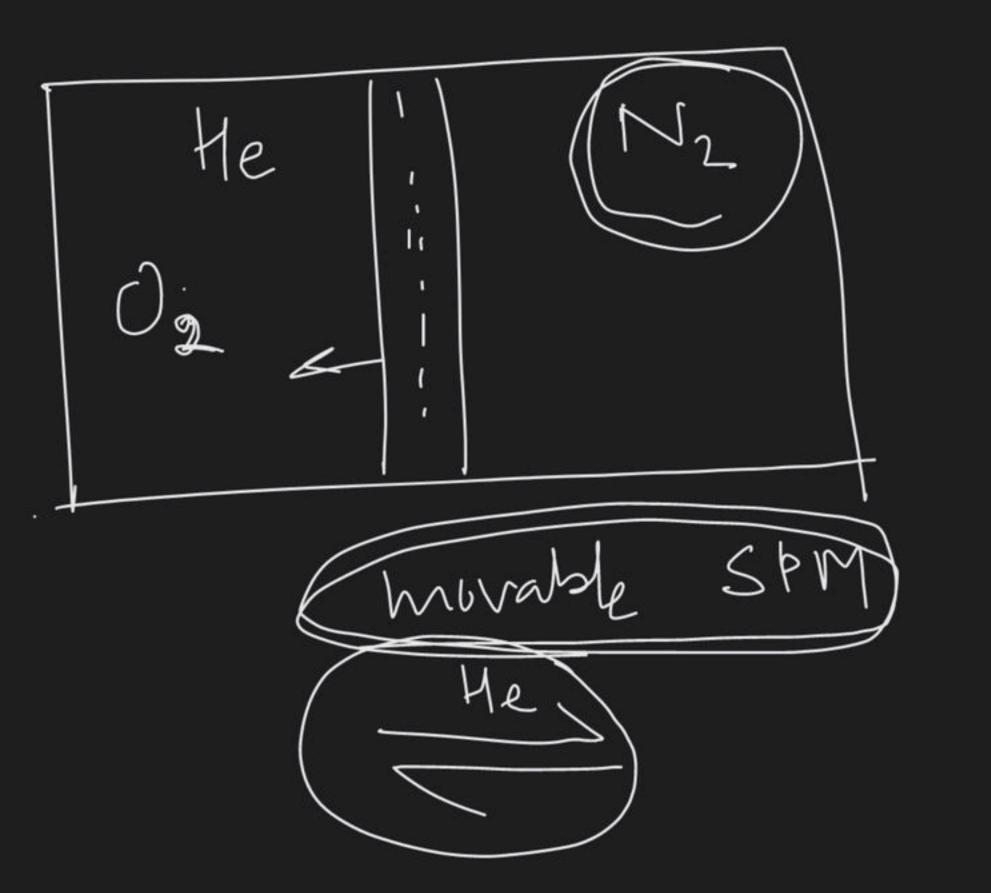
$$\frac{d_4}{d_3}$$

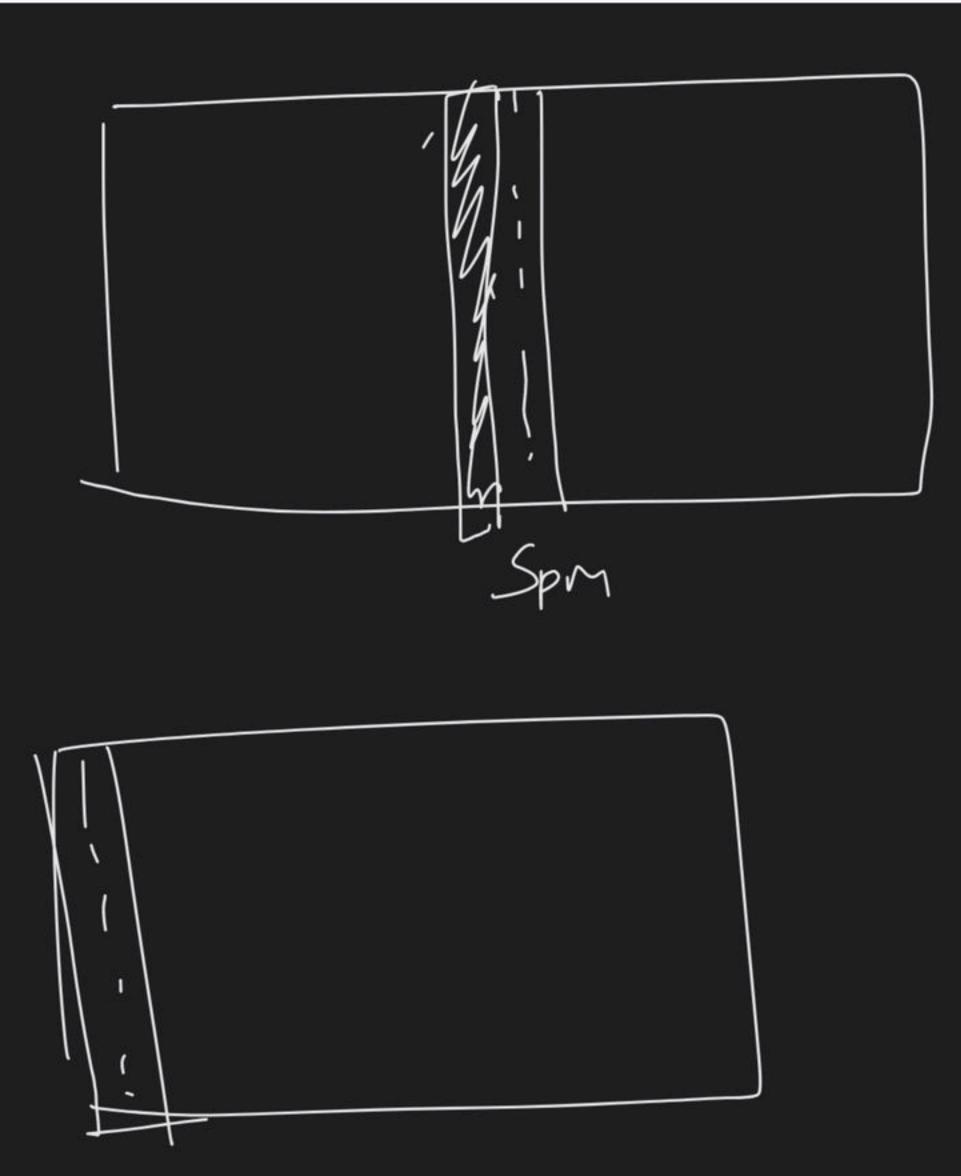
$$\frac{d_5}{d_3}$$

$$\frac{d_5}{d_5}$$



with SPM:-Volemy Permeable membrane 1/2/ Phe) = (Phe) R





(0, =

$$5 \times 10 + 1.5 \times 40 = P \times 50$$

$$2.2 = 11/5 = P \times 2 = Po_{2}$$

$$2.50$$

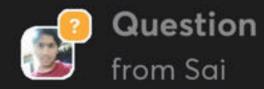
$$3 - P_{10} + 1.5 \times 40 + 4 \times 10 = P \times 50$$

$$3 - P_{10} + 4 \times 10 = P \times 50$$

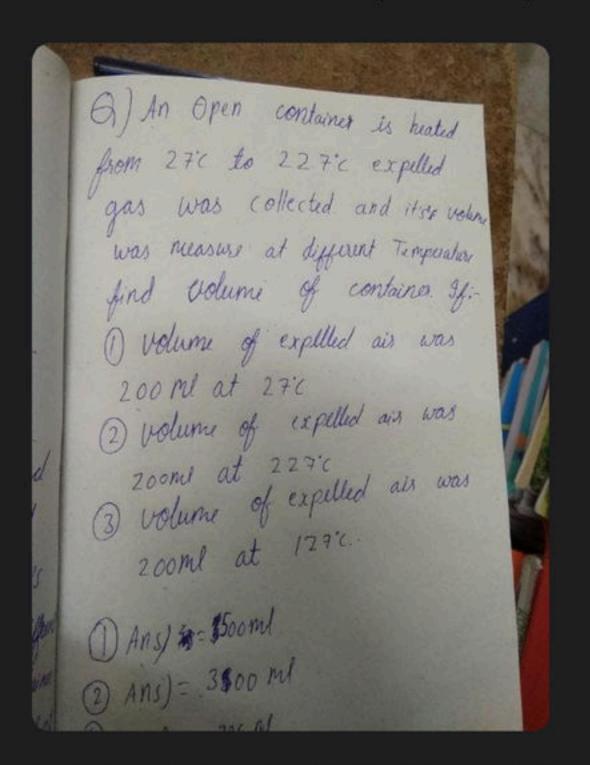
(3)



0-II 1/8/9/1D-13/17-18 5-11 5-/6/7



Sir yeh mera doubt hae yae mujjae samaj nahi aaya tho mainae ask your doubt mae bejha tho mujhe doosrae answers aarahae hae please explain this sir



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1.2 atm $\int_{0}^{2} = 7$ 2.2 ah 2-8 am None