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For flost line 9=0

N=Poc

given t=1.68h

₩ = 7 Kg

1.68 = Ws of ex

1.68=7 × 1 m (0.1)

P=5.01

so eqn of 1st line

N=5,01 X \$ 0.5 X

X=01 & N=05

egn of 2nd line N=2.5x-2

So, time for daying from Xi=0.35 to xf=0.01

 $t = \omega_s \left(\times_i - \times_i \right) + \omega_s \int_{x_{i_1}}^{x_{i_1}} \frac{dx}{2soc - 2} + \frac{\omega_s}{\alpha} \int_{x_{i_2}}^{x_{i_1}} \frac{dx}{5\pi}$

= 7 (0.35) - 0.18) + $\frac{7}{25}$ lm ($\frac{2.5 \times 0.018 - 2}{25 \times 0.1 - 2}$) + $\frac{7}{5}$ lm ($\frac{0.5}{6.05}$)

= 0.476 + 0.45+3-22

= U.ISho

- time for drying = 4.15 hr