

1. E. Na pacnouver u nougremoce 2 N, ro igniciemoce Kon-6 bygem cemars, are muz ngeamente, reiga pv= xxT N'= N-yN + 2yN = N(1+y) $\frac{m'}{m} = \frac{N'}{N} = 7 \quad m' = \frac{N'm}{N} = m(1+g) = 7$ $)=\frac{N}{NA}=\frac{m'}{M}$ $\Rightarrow y = m(1+y)$ $p = \sqrt{RT} = m(1+y)RT = 1,4.10^{-3}(1+0,3).8,314.1800 = 5.10^{-3}$ = 5447 MA = 0,05 axus. 016ex: p = 5,5 × MA = 0,05 arm. He Nz M1 - MBlex asome He p=0,62/4# ma - macca asoma N2 M = N1 m1 + N2 m2 = N1 m1 V + n2 m2 V $f = \frac{m}{V} = \frac{n_1 m_1 V + n_2 m_2 V}{n_1 m_2 V} = \frac{n_1 m_1 + n_2 m_2}{n_1 m_2 m_2}$ D= nKT = (h1+h2) KT (2) N2 = 3- M1 m1 M3 (2) na = P-MAKT Apupabuseu : g-n,m, = p-n,k! 9K1- n1m1KT = pm2 - n1m2K1 n1 KT (m2-m1) = pm2-gK1 n1 = pm2 - PK1 KT (m2-m1) При пори условиях: T=273K P=101325 PR my = 0,864.10 1/2 m2 = 4,648 10 -26 11

N1 = 4,648.10-26. X8.10+325-0,6.1,38.10-23.273 1,38.10-23,273.14,648-0,664) . 10-26 470, 9586-226, 044 1026 × 0,6 1026 = 6.1025 OTOEX: 11 = 6-1025 $\{y, y_1, y_2\}$ guaroumoro "raza (1) $i_1 = 2 noex = 3$ $\{y, y_1, y_2\}$ guaroumoro uz mi exxuz monenya(2) $i_2 = 2 noex + 2 bp. = 5$ CV = il ev = Cv1 + ev2 = 4RV1 + 62RV2 = 3RV1 + 5RV2 Cp = L+2 QY Cp= 1+2 DV1 + 12+2 DV2 = 3 RV1 + 4 RV2 5)1+4)2 3)1+5)2 0184 8 = CP 5 /1+4/2 3×1+5>2 W 45 a) < 0>-? < K>-? O2 8) < 0>-? d=0,1 MKM => < K> = 3 KT = 3.1,38.10-23.290 = 6.10-21 Dam $k = \frac{mv^2}{2} \Rightarrow \langle v \rangle = \sqrt{\frac{2K}{m}} \frac{m}{W} = \frac{N}{NA} \frac{k}{K} = \frac{R}{NA} \frac{NA}{A} = \frac{R}{K}$ $M = \frac{UN}{NA} = \frac{KUN}{R}$ $N = 1 \Rightarrow M = \frac{KUN}{R}$ co>= Jak - J $\frac{-\sqrt{3.290 \cdot 8.314} - 475 \cdot 476 \cdot 4}{32.10^{-3}} = \frac{32.10^{-3}}{32.10^{-3}} = \frac{32.$ = 9TT d3R

