

Dano
 $m(\text{Me}) = 0,43 \text{ r}$
 $V(\text{H}_2) = 123,3 \text{ cm}^3$
 $n(\text{Me}) = 1,555 \text{ r}$
 $n(\text{chem}) = 1,415$

$m(\text{chem}) = ?$

Imo xrop
 u kamni.

(1)



$$0,43 \text{ r (Me)} \rightarrow 0,1233 \text{ l}$$

$$x \text{ r (Me)} \rightarrow \frac{22,4}{2} \text{ l}$$

$$x \text{ r} \frac{0,43 \frac{22,4}{2}}{0,1233} = 39,05 \text{ r-ek}$$

~~$n = 1,555$~~
 ~~$m = 39,05 \text{ r}$~~

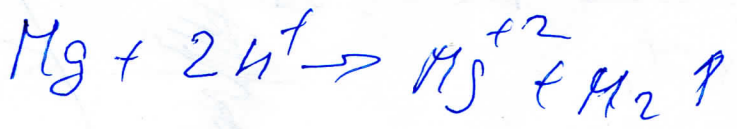
$$1,555 \text{ r (Me)} - 1,415 \text{ r (chem)}$$

$$39,05 \text{ r (Me)} - x \text{ r (chem)}$$

$$x \text{ r} \frac{39,05 \cdot 1,415}{1,555} = 35,5 \text{ (r-ek)}$$

1.15
 Dano:
 $p = 101,3 \text{ kPa}$
 $T = 291 \text{ K}$
 $P_{\text{uro}} = 2,07 \text{ kPa}$
 $V = 100 \text{ cm}^3$

$n(\text{H}_2)$



Dabuenne bogoroge

$$P = 101300 - 2070 = 99230 \text{ Pa} \approx 99,2 \text{ kPa}$$

$$pV = nRT$$

$$n = \frac{pV}{RT} = \frac{99230 \cdot 0,1 \cdot 10^{-3}}{8,31 \cdot 291} =$$

$$m \text{ r MM. O} = 0,00410 \cdot 24 = 0,00984 \text{ r}$$

$$0,00984 \text{ r} \approx 0,01 \text{ r}$$