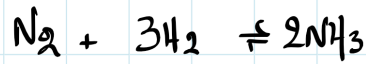


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$$n_{H_2} = \frac{32}{2} = 16 \text{ mol}$$

$$n_{N_2} = 4 \text{ mol}$$

$$p_{xI} = p_{apx} - \frac{20}{100} p_{aex} \Rightarrow p_{xI} = \frac{80}{100} p_{apx}$$



$$\text{apx: } 4 \text{ mol} \quad 16 \text{ mol}$$

$$1 \text{ mol } N_2$$

$$3 \text{ mol } H_2$$

$$4 \text{ mol}$$

$$; 12 \text{ mol (è xw 16 mol)}$$

$$\text{ah: } -x \quad -3x \quad 2x$$

$$\downarrow$$

εααεηα.

$$\text{x.1: } \underbrace{4-x}_{; 2 \text{ mol}} \quad \underbrace{16-3x}_{; 10 \text{ mol}} \quad \underbrace{2x}_{; 4 \text{ mol}} \Rightarrow 20-2x$$

$$\frac{p_{apx}}{p_{xI}} = \frac{n_{aex}}{n_{xI}} \Rightarrow \frac{p_{aex}}{0,8 p_{aex}} = \frac{20}{20-2x} \Rightarrow 20-2x = 16 \Rightarrow \underline{x=2}$$

$$a = \frac{x}{4} = \frac{2}{4} = 0,5 \quad \text{è} \quad 50\%$$