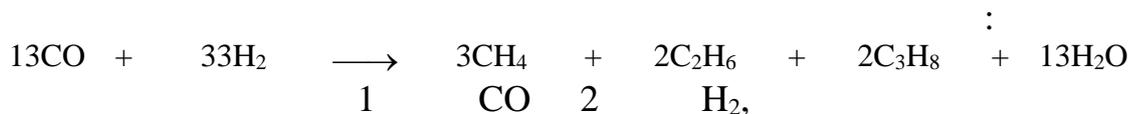


15 ()
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1.



	1	2	0	0	0	0
:	0.1	(0.1·33)/13	(0.1·3)/13	(0.1·2)/13	(0.1·2)/13	0.1
()	:	0.9	(2-0.254)	0.0230	0.0154	0.0154
:						0.1

$$(0.9 + 2 - 0.254 + 0.0230 + 0.0154 + 0.0154 + 0.1) = 2.8$$

$$3 / 2.8 = 1.07$$

	5
	15
	5
	25

2.

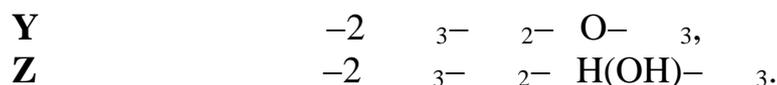
2.1.

$$M = 4.38 \cdot 29 / 127 \cdot 0.559 = 127 / 127 \cdot 0.063 = 8$$

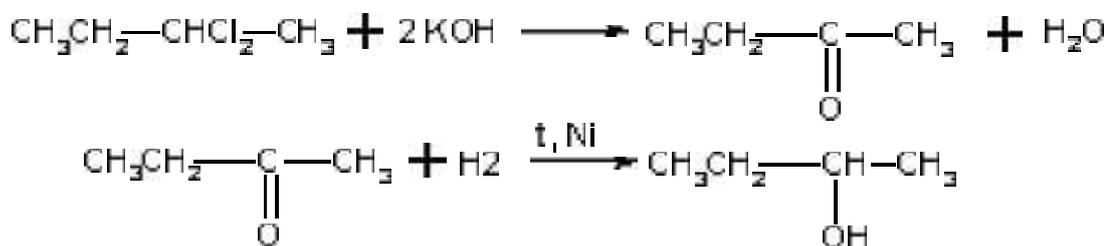
127 · 0.378 = 48 (8)

2.2.

X 2,2- 3- 2- l₂- 3,



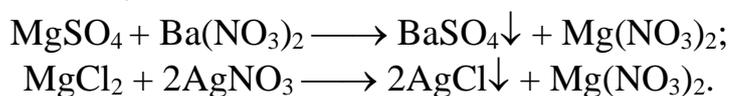
2.3. :



X	4
-	7
X, Y Z (2)	6
X, Y Z (1)	3
(2) - 2	4
	24

3.

3.1. :



3.2. 2.0 MgCl₂ :

$$m(\text{MgCl}_2) = x .$$

$$m(\text{MgSO}_4) = (2 - x) .$$

$$n(\text{MgSO}_4) = m(\text{MgSO}_4) / M(\text{MgSO}_4) = (2 - x) / (24 + 32 + 4 \cdot 16) = (2 - x) / 120 .$$

$$n(\text{BaSO}_4) = n(\text{MgSO}_4) = (2 - x) / 120 .$$

$$m(\text{BaSO}_4) = n(\text{BaSO}_4) \cdot M(\text{BaSO}_4) = (2 - x) / 120 \cdot (137 + 32 + 4 \cdot 16) = 1.94(2 - x) = 3.88 - 1.94x .$$

$$n(\text{MgCl}_2) = m(\text{MgCl}_2) / M(\text{MgCl}_2) = x / (24 + 2 \cdot 35.5) = 0.0105x .$$

$$n(\text{AgCl}) = 2n(\text{MgCl}_2) = 2 \cdot 0.0105x = 0.0210 .$$

$$m(\text{AgCl}) = n(\text{AgCl}) \cdot M(\text{AgCl}) = 0.0210x \cdot (108 + 35.5) = 3.01x .$$

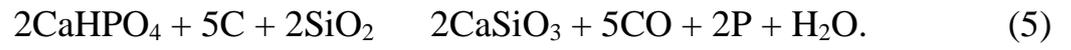
$$\begin{array}{l} \vdots \\ m(\text{AgCl}) / m(\text{BaSO}_4) = 3, \quad 3.01x / (3.88 - 1.94x) = 3. \end{array}$$

$$3.01 = 11.6 - 5.82$$

$$8.83 = 11.6$$

$$= 1.31 \approx 1.3 .$$

$$m(\text{MgCl}_2) = 1.3 , m(\text{MgSO}_4) = (2 - 1.3) = 0.7 .$$



4.3. (1) (5) ,
 (2) (4) .
 (4)

(3)

()

X Y (2) - 3	6
(5) - 3	15
(5) - 1	5
	26