

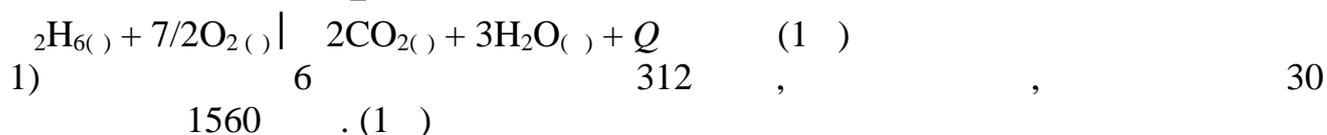
## 11

## 1

1	2	3	4	5	6	7	8	9	10
3	4	2	2	3	1	2	3	4	3

1 (10 )

## 2



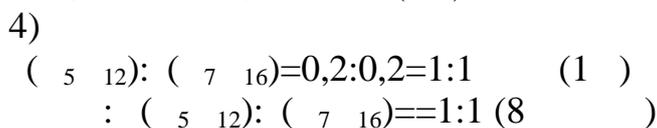
$$\hat{E} (5 \ 12) = 1560 + 660 \cdot 3 = 3540 \quad ( / ) \quad (1 \text{ )}$$

$$\hat{E} (7 \ 16) = 1560 + 660 \cdot 5 = 4860 \quad ( / ) \quad (1 \text{ )}$$

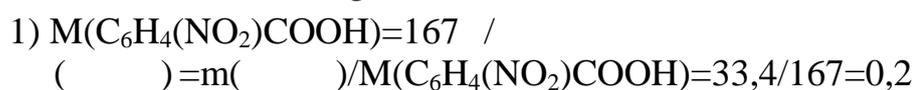


$$\begin{cases} 72 + 100 = 34,4 \\ 3540 + 4860 = 1680 \\ 40,8x = 8,16 \end{cases}$$

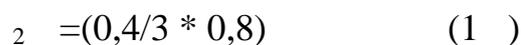
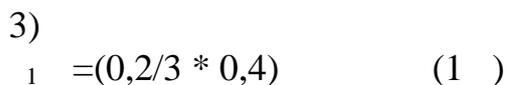
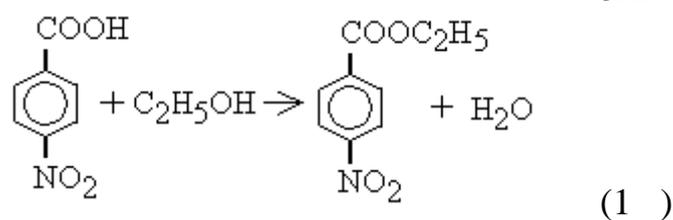
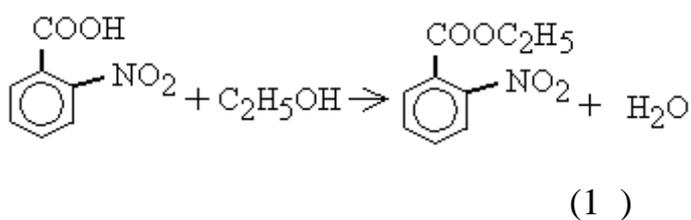
$$= 0,2 \quad = 0,2 \quad (2 \text{ )}$$



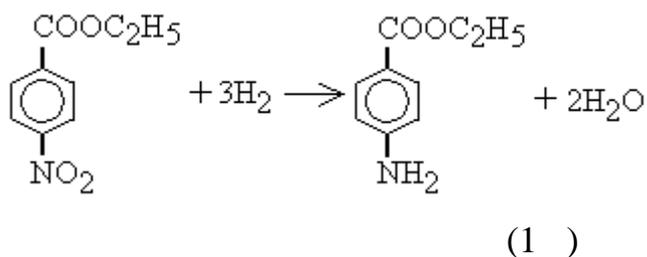
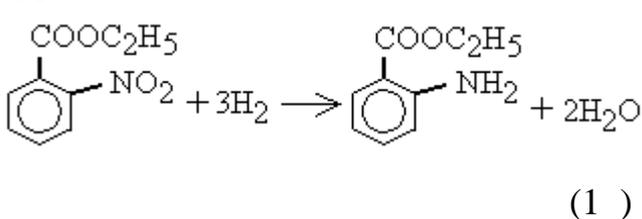
## 3



3A



## 4A



5)  $V_1(\text{H}_2) = 3 \cdot 0,8/3 = 0,8$  (0,5 )       $V_2(\text{H}_2) = 3 \cdot 0,32/3 = 0,32$  (0,5 )

6)  $V(\text{H}_2) = V_1(\text{H}_2) + V_2(\text{H}_2) = 0,24/3 + 0,96/3 = 1,2/3 = 0,4$  (0,5 )

7)  $V(\text{H}_2) = V(\text{H}_2) \cdot V_m = 0,4 \cdot 22,4 = 8,96$  (0,5 )  
 $V(\text{H}_2) = 8,96$  (1 )

**4**



1)  $m = m_2(\text{Me}) - m_1(\text{Au}) = 119,9 - 100 = 19,9$  (0,5 )

2)  $m_2(\text{Me}) = m_1(\text{Au}) - m = 219,9 - 19,9 = 200$  (0,5 )

3)  $m(\text{MeCl}_2) = m_2(\text{Me}) \cdot M(\text{MeCl}_2) = 200 \cdot 0,204 = 40,8$  (1 )

4)

5)  $m = m(\text{Au}) - m(\text{Me}) = (394 - 3x) \cdot M(\text{Au}) - (3x + 2 \cdot 35,5) \cdot M(\text{Me}) = 72 \cdot 197 - 3 \cdot x \cdot A$  (1 )  
 $m = 19,9$  ;

6)  $m(\text{MeCl}_2) = (3x + 2 \cdot 35,5) \cdot M(\text{MeCl}_2) = 3 \cdot (x + 2 \cdot 35,5) = 3x + 213A$  (1 )  
 $m(\text{MeCl}_2) = 40,8$  ;

7)  $\frac{394 - 3x}{19,9} \cdot \frac{3 \cdot 213}{40,8} = 65$  (1 )

$(394 - 3x) \cdot 40,8 = 19,9 \cdot (3 \cdot 213)$   
 $16075,2 - 122,4x = 59,7 \cdot 3 + 4238,7$   
 $182,1x = 11836,5$   
 $x = 65$  (1 )

: - Zn (7 )

**5**

