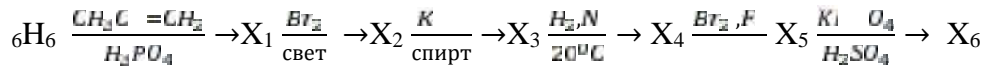
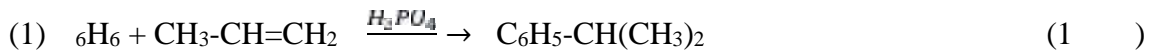


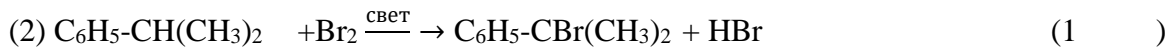
1 (11)



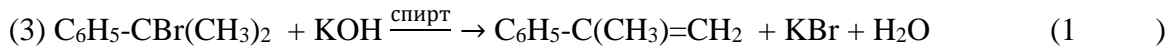
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: - , 2006.-96 .)



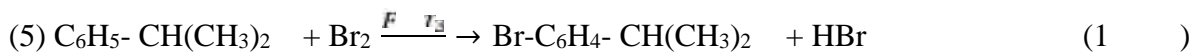
()



2- -2



2-



- (-)



:

X1- , () (0,5); **X2-** -2 (0,5);

X3- -2 (0,5); **X5-** - (-) (0,5)

); **X6-** - (0,5)

: (1)-(5) $5 \cdot 1 = 5$;

$$(6) - 2,5 ;$$

$$: X_1, X_2, X_3, X_5, X_6 - 5 \cdot 0,5 = 2,5 ;$$

$$: 10$$

2 (11)

$$229,1 / , \quad 212,3$$

$$I$$

$$(1) () + 1/5 r_2() = Br_5() + 229,1 / ; \quad (1)$$

$$(2) () + 1/5 r_2() = Br_5() + 212,3 / ; \quad (1)$$

$$2$$

$$(2) \quad (1)$$

$$() + 1/5 r_2() - () + 1/5 r_2() = Br_5() - Br_5() \quad (0,5)$$

$$Q_2 - Q_1 = 212,3 - 229,1 = -16,8 / \quad (0,5)$$

$$() = () - 16,8 / \quad (1)$$

$$3$$

$$() = () + 16,8 / \quad (1)$$

$$1 \quad -2 ;$$

$$2 \quad -2 ;$$

$$3 \quad -1$$

$$: 5$$

3 (11)

$$235 \quad 20\% - \quad 150 \quad 20,8\% -$$

$$, \quad - \quad 9,2\%.$$

$$I$$

$$n(\text{Cu}(\text{NO}_3)_2) = 235 \cdot 0,20 / 188 = 0,25 \quad (0,5)$$

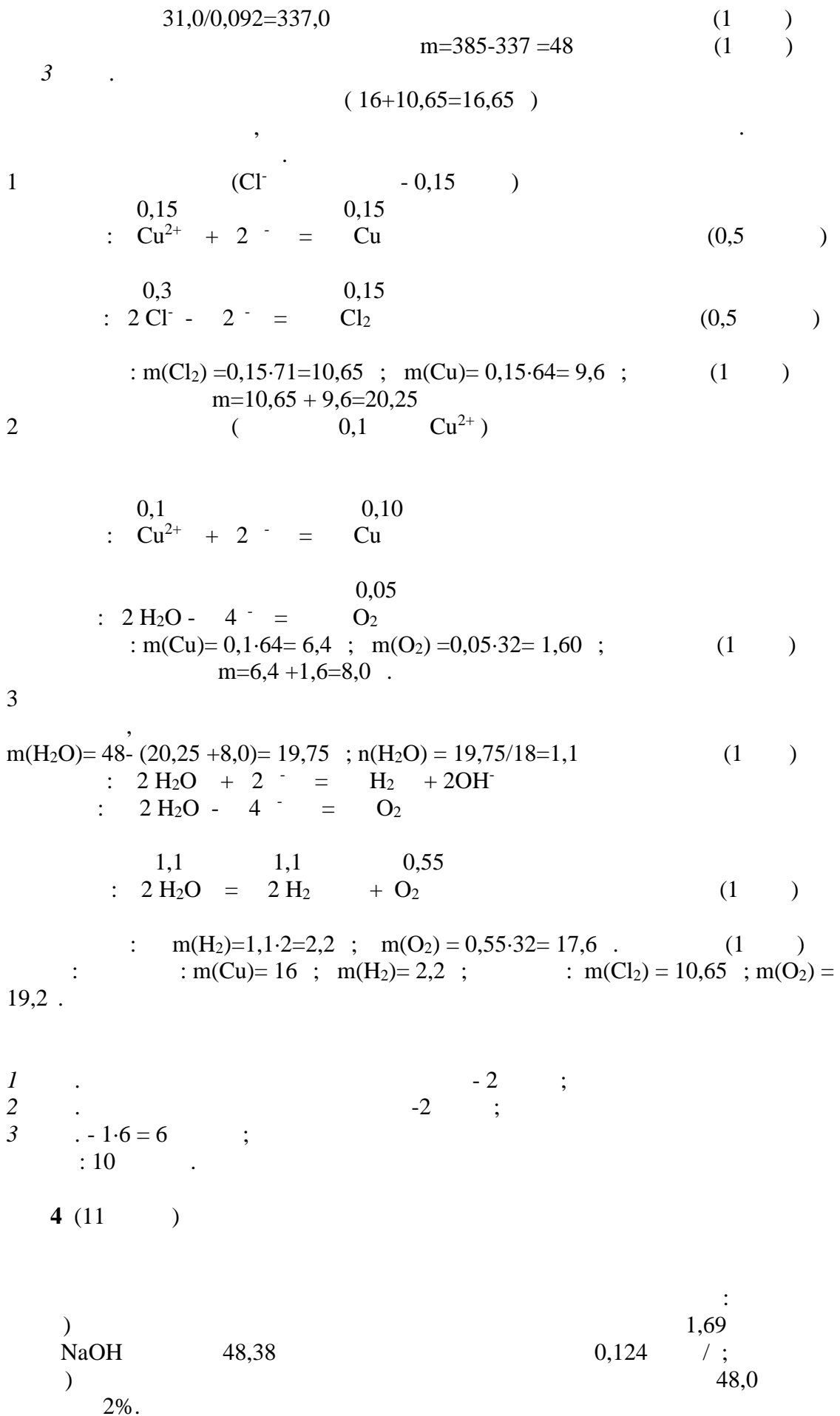
$$m(\text{Cu}) = 0,25 \cdot 64 = 16 ; m(\text{N } ^3-) = 0,25 \cdot 2 \cdot 62 = 31,0 \quad (0,5)$$

$$n(\text{BaCl}_2) = 150 \cdot 0,208 / 208 = 0,15 \quad (0,5)$$

$$m(\text{Cl}^-) = 0,15 \cdot 2 \cdot 35,5 = 10,65 \quad (0,5)$$

$$2$$

$$235 + 150 = 385$$



(3, 2- : , 2011.-224 .) 3

$$n(\text{NaOH}) = 0,04838 \cdot 0,124 = 0,00600 \quad (1)$$

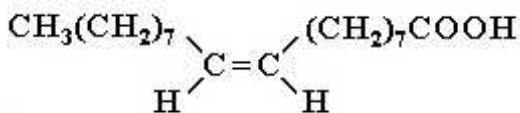
$$() = 1,69 / 0,006 = 282 \quad (1)$$

$$m(\text{Br}_2) = 48,0 \cdot 0,020 = 0,960 ;$$

$$n(\text{Br}_2) = 0,960 / 160 = 0,0060 \quad (1)$$

$$282 = (12 + 2 \cdot -1 + 12 + 2 \cdot 16 + 1), \quad = 18. \quad (1)$$

$$17 \quad 33 \quad (1)$$



(2)

-9- (2)

() (1)

-2 ;
-3 ;
-4 ;

-1
: 10 .

5 (11)

3

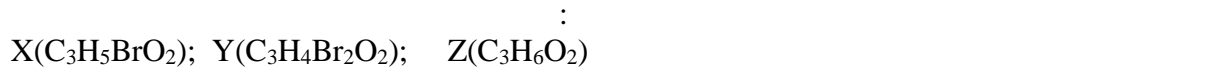
, C,H Br 22,10; 2,29; 55,26.



2-



2



$$\text{M}(\text{C}_3\text{H}_5\text{BrO}_2) = 153; \text{M}(\text{C}_3\text{H}_4\text{Br}_2\text{O}_2) = 232; \text{M}(\text{C}_3\text{H}_6\text{O}_2) = 74$$

$$\text{M}(\text{mixture}) = 153\text{X} + 232\text{Y} + 74\text{Z} \quad (1)$$

$$\text{X} + \text{Y} + \text{Z} = 1 \quad (1)$$

$$(5\text{X} + 4\text{Y} + 6\text{Z}) / (153\text{X} + 232\text{Y} + 74\text{Z}) = 0,0229 \quad (1)$$

$$(80\text{X} + 160\text{Y}) / (153\text{X} + 232\text{Y} + 74\text{Z}) = 0,5526 \quad (1)$$

$$\text{X} = 0,625; \text{Y} = 0,25; \text{Z} = 0,125 \quad (2)$$

$$36 / (153 \cdot 0,625 + 232 \cdot 0,25 + 74 \cdot 0,125) = 0,221 \quad (1)$$

$$\text{C}_3\text{H}_5\text{BrO}_2 \cdot 0,625; \text{C}_3\text{H}_4\text{Br}_2\text{O}_2 \cdot 0,25; \text{C}_3\text{H}_6\text{O}_2 \cdot 0,125$$

$$\frac{1}{2} \quad ; \quad 3 \cdot 1 = 3$$

$$\left(\quad , \quad , \quad \right) - \frac{5 \cdot 1}{2} = 5$$

: 10