

Задача 1

$$\text{CsAl(SO}_4)_2 = M_n = 133 + 27 + 32 \cdot 2 + 128 = 352$$

$$w(\text{Cs}) = \frac{133 \cdot 1}{352} = 0,38 \text{ или } 38\%$$

$$w(\text{Al}) = \frac{27 \cdot 1}{352} = 0,08 = 8\%$$

$$w(\text{S}) = \frac{32 \cdot 2}{352} = 0,18 = 18\%$$

$$w(\text{O}) = \frac{16 \cdot 8}{352} = 0,36 = 36\%$$

$$\text{Cr}_2\text{S}_3 = M_n = 52 \cdot 2 + 32 \cdot 3 = 200$$

$$w(\text{Cr}) = \frac{52 \cdot 2}{200} = 0,52 \text{ или } 52\%$$

$$w(\text{S}) = \frac{32 \cdot 3}{200} = 0,48 \text{ или } 48\%$$

$$\text{SrAl}_2\text{O}_4 = M_n = 88 + 27 \cdot 2 + 16 \cdot 4 = 206$$

$$w(\text{Sr}) = \frac{88 \cdot 1}{206} = 0,43 = 43\%$$

$$w(\text{Al}) = \frac{27 \cdot 2}{206} = 0,26 = 26\%$$

$$w(\text{O}) = \frac{16 \cdot 4}{206} = 0,31 = 31\%$$



$$w(\text{Y}) = \frac{89 \cdot 3}{594} = 0,45 = 45\%$$

$$w(\text{Al}) = \frac{27 \cdot 5}{594} = 0,23 = 23\%$$

$$w(\text{O}) = \frac{16 \cdot 12}{594} = 0,32 = 32\%$$



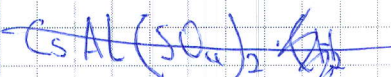
$$M_n = 39 \cdot 2 + 238 \cdot 2 + 16 \cdot 4 + 51 \cdot 2 + 16 \cdot 8 = 848$$

$$w(\text{K}) = \frac{39 \cdot 2}{848} = 0,09 = 9\%$$

$$w(\text{V}) = \frac{238 \cdot 2}{848} = 0,56 = 56\%$$

$$w(\text{O}) = \frac{16 \cdot 12}{848} = 0,23 = 23\%$$

$$w(\text{C}) = \frac{51 \cdot 2}{848} = 0,12 = 12\%$$



$$M_n = 133 + 27 + 64 + 128 + 24 + 192 = 568$$

$$w(\text{Cs}) = \frac{133 \cdot 1}{568} = 0,234 = 23,4\%$$

$$w(\text{Al}) = \frac{27 \cdot 1}{568} = 0,048 = 4,8\%$$

$$w(\text{S}) = \frac{32 \cdot 2}{568} = 0,113 = 11,3\%$$

$$w(\text{O}) = \frac{16 \cdot 20}{568} = 0,563 = 56,3\%$$

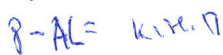
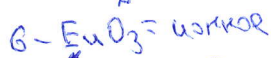
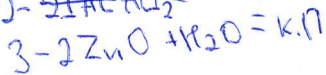
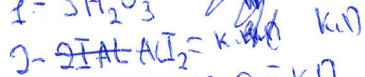
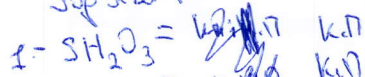
$$w(\text{H}) = \frac{1 \cdot 24}{568} = 0,042 = 4,2\%$$

Задача 2



1	2	3	4	5	услов.
15	0	0	0	16	31

Задание 4

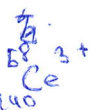


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Задание 5



$\bar{e} = 16 - 8 = 8 \bar{e} - 2$



$\bar{e} = 58 - 3 = 55 \bar{e} - 2$



$\bar{e} = 7 - 2 = 5 \bar{e} - 2$



$\bar{e} = 12 - 6 = 6 \bar{e} - 2$



$\bar{e} = 76 - 8 = 68 \bar{e} - 2$



$\bar{e} = 22 - 3 = 19 \bar{e} - 2$



$\bar{e} = 14 - 4 = 10 \bar{e} - 2$



$\bar{e} = 63 - 2 = 61 \bar{e} - 2$



$\bar{e} = 2 - 2 = 0 \bar{e} - 2$



$\bar{e} = 23 - 5 = 18 \bar{e} - 2$

$\bar{e} = 23 - 5 = 18 \bar{e} - 2$

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