

$$M(\text{C}_{24}\text{H}_{42} + \text{O}_{21}) = 288 + 42 + 336 = 666 \text{ г/моль}$$

$$n(\text{C}_{24}\text{H}_{42} + \text{O}_{21}) = \frac{13,3}{666} = 0,02 \text{ моль}$$

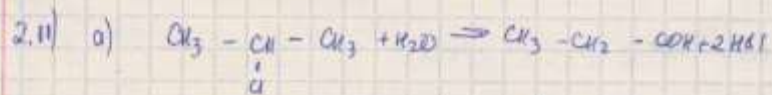
$$M(\text{C}_6\text{H}_{12}\text{O}_6) = 72 + 12 + 96 = 180 \text{ г/моль}$$

$$n(\text{C}_6\text{H}_{12}\text{O}_6) = \frac{10,8}{180} = 0,06 \text{ моль}$$

$$n(\text{C}_{24}\text{H}_{42} + \text{O}_{21}) : n(\text{C}_6\text{H}_{12}\text{O}_6) =$$

$$0,02 : 0,06$$

1 : 3 в тетрасахаридах 3 глюкозы и 1 фруктоза.



4.11) $53,63\% \text{ C}, 29\% \text{ H} = 84,91\%$

$100\% - 84,91\% = 15,09\%$

$15,09 : 2 = 7,545\% \text{ Al} + \text{Be} ; \text{Be} = 5,03$

$\frac{31,28}{28} : \frac{53,63}{16} : \frac{5,03}{9} : \frac{10,06}{27} = \overset{\text{S. O. H. N}}{6 : 18 : 3 : 2}$

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Onbem: $\text{Be}_3 \text{Al}_2 \text{Si}_6 \text{O}_{18}$

6.11) $n(\text{C}) : n(\text{H}) = \frac{92,3}{12} : \frac{7,7}{1} = 7,69 : 7,70$

$100 - 92,3 = 7,7(\text{H})$

$1 : 1 \Rightarrow \text{CH-группы}$