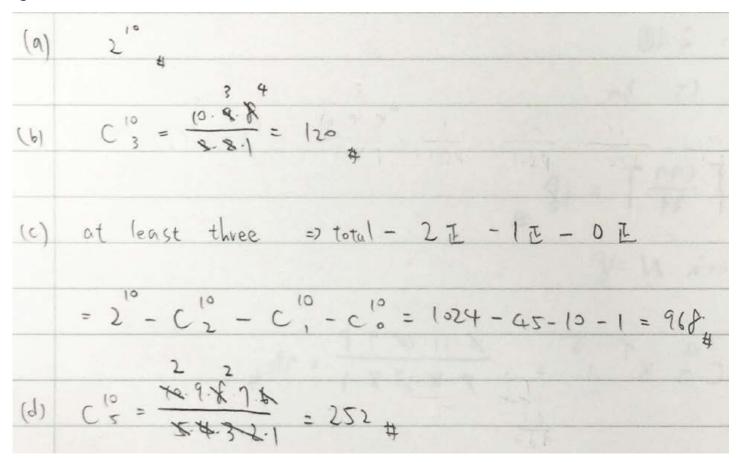
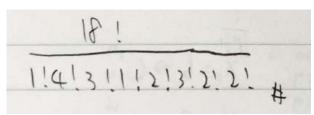
第1題.



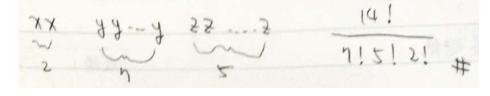
第2題.

 $8! \times C_5^9 \times 5! = 504 \times 42 \times 28800 = 609638400$

第3題.



第4題.



第5題.

$$(a)-1 : 9 / (6)$$
 $(a)-2 : 6.9.12.15.18.21.24.27.30.$
 $(b)-1 : 6 / (6)$
 $(b)-2 : 5.10.15.20.25.30$
 $(c)-1 : 2 / (6)$
 $(c)-2 : 15.30$

第6題.

第7題.

第8題.

(a)
$$X_1 \ge 1$$
 \Rightarrow $X_1 + X_2 + X_3 + X_4 + X_5 = (9 \Rightarrow C_{19}^{23} = \frac{23 \cdot 22 \cdot 24 \cdot 250}{4 \cdot 4 \cdot 21} = 1711_{\frac{1}{4}}$

(b) $X_1 \ge 2$ $f_{xx} = 1 \cdot 2 \cdot 3 \cdot 4 \cdot 5 \Rightarrow X_1 + X_2 + X_3 + X_4 + X_5 = (0 \Rightarrow C_{19}^{14} = [00]_{\frac{1}{4}}$

(c) $X_1 = 0 \Rightarrow C_{20}^{23}$ $X_1 = 3 \Rightarrow C_{19}^{20}$ $X_1 = 6 \Rightarrow C_{14}^{19}$
 $X_1 = 1 \Rightarrow C_{19}^{22}$ $X_1 = 4 \Rightarrow C_{19}^{19}$ $X_1 = 7 \Rightarrow C_{13}^{16}$
 $X_1 = 2 \Rightarrow C_{18}^{21}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{12}^{15}$
 $X_1 = 2 \Rightarrow C_{18}^{21}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{12}^{15}$
 $X_1 = 2 \Rightarrow C_{18}^{21}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{12}^{15}$
 $X_1 = 2 \Rightarrow C_{19}^{21}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{12}^{15}$
 $X_1 = 2 \Rightarrow C_{18}^{21}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{15}^{15}$
 $X_1 = 2 \Rightarrow C_{18}^{15}$ $X_1 = 5 \Rightarrow C_{15}^{15}$ $X_1 = 6 \Rightarrow C_{15}^{15}$