問1. 次の行列式の値を求めよ.

$$\begin{bmatrix} 1 & 2 & 3 & 0 & 0 & 0 \\ 0 & 1 & 2 & 3 & 0 & 0 \\ 0 & 0 & 1 & 2 & 3 & 0 \\ 0 & 0 & 0 & 1 & 2 & 3 \\ 3 & 0 & 0 & 0 & 1 & 2 \\ 2 & 3 & 0 & 0 & 0 & 1 \end{bmatrix}$$

$$\frac{24\overline{3} - 3\times44\overline{5}}{12 - 8 2000} = \frac{34\overline{3} - 2\times44\overline{5}}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{30100 - 1000}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{30100 - 1000}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{30100 - 1000}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{30100 - 1000}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{30100 - 1000}{12 - 8 2000} = \frac{34\overline{3} + 54\overline{5}}{12 - 8 2000} = \frac{301000}{12 - 8 2000} = \frac{$$

$$\frac{34j + 4x64\bar{3}}{|2-8|2|0|0|0} = \begin{vmatrix} 1 & 2 & 3 & | & 1 & 2 & 3 \\ |2-8|2|0|0|0 & | & & & \\ |1| & |2| & |1|0|0|0 & | & \\ |3| & 0 & 0 & |0| & |2| \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 3| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | & \\ |2| & 0 & |0|0 & | &$$

$$= \left\{ 1 \cdot (-8) \cdot 1 + 2 \cdot 2 \cdot 11 + 3 \cdot |2 \cdot |2 - (3 \cdot (-8) \cdot || + 2 \cdot |2 \cdot | + |2 \cdot |2|) \right\}$$

$$\times (1 - 0)$$

$$= \begin{cases} -8 + 44 + 432 - (-264 + 24 + 24) \times 1 \\ = 468 + 2/6 \\ \frac{2/6}{54} \end{cases}$$