

① $S_T^2 = 12$ $S_x^2 = S_T^2 + S_e^2 = 12 + 4 = 16 \rightarrow S_x = \sqrt{16} = 4$
 $S_e = 2 \rightarrow S_e^2 = 2^2 = 4$
 $S_x = ?$

③

-1	0	+1
14	2	14

 $1 = \frac{(N-1)\sum X + N\sum X - \sum X}{2(N-1) \wedge} = 0$

$\sum X = (-1) \cdot 14 + 2 \cdot 0 + 14 \cdot 1 = 0$

④ $0 < 0.5$ — Removed

⑤ $IT = 10$ $X = R - \frac{W}{k-1} = 5 - \frac{2}{3-1} = 5 - 1 = 4$
 $k = 3$
 $R = 5$
 $W = 2$ $4 \xrightarrow{10}$ $x = \frac{20 \cdot 4}{10} = 8$
 $O = 3$ $x \xrightarrow{20}$

⑥

	TC	MT	WC	K	I
Σ	18	23	23	24	29

⑦

	1	2	3	4	5	6	7
f_i	75	75	150	75	75	120	30
F_i	75	150	300	375	450	570	600

$Medn = L_i + \frac{1}{f_i} \left(\frac{n}{2} - F_i \right) = 2.5 + \frac{1}{150} (300 - 150) = 2.5 + 1 = 3.5$

$n/2 = 600/2 = 300$

$$\textcircled{9} \quad CA = Q_3 - Q_1 = 5.5 - 2.5 = 3$$

$$Q_3 = L_i + \frac{1}{f_i} \left(\frac{3n}{4} - F_i \right) = 4.5 + \frac{1}{75} (450 - 375) = 4.5 + 1 = 5.5$$

$$3n/4 = \frac{3 \cdot 600}{4} = \frac{1800}{4} = 450$$

$$Q_1 = L_i + \frac{1}{f_i} \left(\frac{n}{4} - f_i \right) = 1.5 + \frac{1}{75} (150 - 75) = 1.5 + 1 = 2.5$$

$$n/4 = 600/4 = 150$$