3:
$$T = \frac{(28 - 120 \cdot 4)^2 + (27 - 120 \cdot 4)^2}{120 \cdot 4} + \frac{(20 - 120 \cdot \frac{4}{3})^2 + 3 \cdot (16 - 120 \cdot \frac{4}{3})^2}{120 \cdot \frac{4}{3}}$$

$$= \frac{43}{30} = \frac{21}{10} = 2, 1 \Rightarrow 11, 07$$

$$= \frac{63}{30} = \frac{11}{10} = 2, 1 \Rightarrow 11, 07$$

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Li. Aufy:
$$P(\overline{3}_{11}) = 0.15 = P(\overline{3}_{71}) = P(\overline{3}_{13})$$

 $P(\overline{8}_{12}) = 0.25$, $P(\overline{3}_{22}) = 0.2$, $P(\overline{3}_{23}) = 0.1$

$$P(E|B_{11}) = P(E|B_{22}) = 0.1$$
 $P(E|B_{21}) = P(E|B_{12}) = 0.05$
 $P(E|B_{13}) = 0.15$ $P(E|B_{22}) = 0.2$

i) Satz / Formy von der totalen Wk.

$$P(E) = \sum_{i=1}^{\infty} \sum_{j=1}^{\infty} P(E|B_{ij}) \cdot P(B_{ij})$$

$$= 0.0227 = P(E \cap B_{ij})$$

bed. Wk. für
$$E$$
 geg. B_{13} : $PB_{13}|E| = \frac{0.0725}{0.0975} = \frac{3}{13} \approx 0.23$.