

$$P(\text{היה / היה}) = \frac{\frac{5}{14}}{\frac{5}{14} + \frac{12}{14} \cdot \frac{1}{2}} = \frac{5 \cdot 14}{11 \cdot 14} = \boxed{\frac{5}{11}}$$

Diagrams illustrating the calculation:

- Top right: $\frac{1}{14}$ (היה) and $\frac{5}{14}$ (היה) with a bracket indicating a sum.
- Bottom left: A tree diagram starting from $\frac{12}{14}$ (היה) and branching into $\frac{1}{2}$ (היה) and $\frac{1}{2}$ (היה).

$$P(1 / \text{היה}) = \frac{\frac{1}{2} \cdot \frac{3}{4}}{\frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{3}{4}} = \frac{\frac{3}{8}}{\frac{3}{8} + \frac{1}{4}} = \frac{3}{5} = \boxed{0.6}$$

Diagrams illustrating the calculation:

- Top right: A tree diagram starting from $\frac{1}{2}$ (היה) and branching into $\frac{1}{2}$ (היה) and $\frac{1}{2}$ (היה).
- Bottom left: A tree diagram starting from $\frac{1}{2}$ (היה) and branching into $\frac{1}{2}$ (היה) and $\frac{1}{2}$ (היה).
- Bottom right: A tree diagram starting from $\frac{1}{2}$ (היה) and branching into $\frac{3}{4}$ (היה) and $\frac{1}{4}$ (היה).

$$P(\text{היה} \cap \text{היה}) \times P(\text{היה} \cap \text{היה}) = 0.2 \cdot 0.2 = 0.04$$

$$P(\text{היה} \cap \text{היה}) \times P(\text{היה} \cap \text{היה}) = 0.14 \cdot 0.1 = 0.014$$

$$P(\text{היה} | \text{היה}) = \frac{P(\text{היה} \cap \text{היה})}{P(\text{היה})} = \frac{0.04}{0.054} = \frac{40}{54} = \boxed{0.741}$$

$$P(\text{כוח} | \text{לא חתך}) = 0.0001 = P(D) \quad \text{כ.3}$$

$$P(\text{חלון} | \text{קוויטרן גרין, חלון}) = 0.9999 = P(ND)$$

$$P(D|T) = \frac{1 \cdot 0.0001}{1 \cdot 0.0001 + 0.0001 \cdot 0.9999} \approx 0.01 = \boxed{1\%}$$

$$P(H) = 5 \cdot 10^{-3} = \frac{1}{200}, P(E) = 0.999 \cdot \frac{1}{200} + 0.01 \cdot \frac{199}{200} = 0.0199 \approx$$

$$P(E|H) = \frac{99}{200}$$

$$P\left(\frac{H}{E}\right) = \frac{0.99 \cdot 5 \cdot 10^{-3}}{0.0199} = \frac{99}{298} \approx 0.33 = \boxed{33\%}$$

4. זהו שלד אחד

חלון

1. חלון חלון, 3-7, 12 חלון

1+2, 2+1, 2+4, 4+2, 3+3, 5+1, 1+5, 3+6, 6+3, 4+5, 5+4, 6+6

$$\frac{12}{36} = \frac{1}{3} \quad \text{הס' ד"ר על חלון}$$

$$1 - \frac{1}{3} = \frac{2}{3} \quad \text{הס' ד"ר על חלון}$$

$$\frac{1}{3} \cdot 6 + \frac{2}{3} \cdot (-3) = 2 - 2 = \boxed{0} \quad \text{אין נזק}$$

: 12- \int $\wedge \wedge \wedge \wedge$ \wedge 130/1k. 2

12/10/2023

Nizdik 6 : 72 Son

3

1.4

0.48

0.4

0.3456

0.7