

64 : 40

4)

$$H_1 = \delta \quad H_1 = \delta | \delta$$

$$H_2 = \gamma \quad H_2 = \delta | \gamma$$

$$H_3 = \delta \quad H_3 = \gamma | \delta$$

$$H_4 = \gamma \quad H_4 = \gamma | \gamma$$

$$H_{21} =$$

$$P(H_1) = \frac{4}{10} \cdot \frac{5}{11} \quad P_{H_1}(A) = \frac{6}{12}$$

$$P(H_2) = \frac{4}{10} \cdot \frac{6}{11} \quad P_{H_2}(A) = \frac{5}{12}$$

$$P(H_3) = \frac{6}{10} \cdot \frac{4}{11} \quad P_{H_3}(A) = \frac{5}{12}$$

$$P(H_4) = \frac{6}{10} \cdot \frac{7}{11} \quad P_{H_4}(A) = \frac{4}{12}$$

$$P(A) = \frac{4}{10} \cdot \frac{5}{11} \cdot \frac{6}{12} + \frac{4}{10} \cdot \frac{6}{11} \cdot \frac{5}{12} + \frac{6}{10} \cdot \frac{4}{11} \cdot \frac{5}{12} + \frac{6}{10} \cdot \frac{7}{11} \cdot \frac{4}{12} = \frac{2}{5}$$

$$2) \quad ax = 6$$

$$x = \frac{6}{a}$$

$$\frac{b}{a} \geq 1$$

$$b \geq a$$

$$S_{\square} = 8 \cdot 10 = 80$$

$$S_{\Delta} = \frac{1}{2} S_{\square} = \frac{1}{2} \cdot 64 = 32$$

$$p = \frac{32}{80} = \frac{16}{40} = \frac{8}{20} = \frac{4}{10} = \left(\frac{2}{5} \right)$$

$$5) \quad n=100 \quad | \quad 10-b$$

H_1 - вигинули (10)

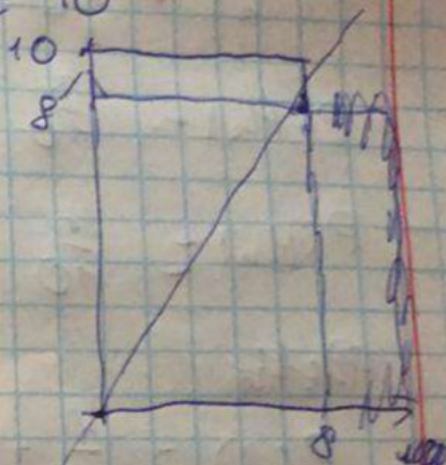
H_2 - ч. 5 д. (50)

H_3 - загав (30)

H_4 - не загав (10)

$$0 \leq a \leq 8$$

$$0 \leq b \leq 10$$



$$P(H_1) = \frac{1}{10}$$

$$P(H_2) = \frac{1}{2}$$

$$P(H_3) = \frac{3}{10}$$

$$P(H_4) = \frac{5}{10}$$

$$P_{H_1}(A) = 1 - 0,98$$

$$P_{H_2}(A) = 1 - 0,77$$

$$P_{H_3}(A) = 1 - 0,48$$

$$P_{H_4}(A) = 1 - 0,17$$

Решение

$$P(A) = \frac{1}{10} \cdot 0,02 + \frac{1}{2} \cdot 0,23 + \frac{3}{10} \cdot 0,52 + \frac{5}{10} \cdot 0,83 = \frac{89}{250}$$

$$P_H(H_3) = \frac{\frac{3}{10} \cdot 0,52}{\frac{89}{250}} = \frac{39}{89} \approx 0,43$$

4) ~~Решение~~

$$\frac{8! \cdot 11! \cdot 9!}{5! \cdot 3! \cdot 20!}$$

$$3) \text{ или } \frac{1}{6} p = \frac{1}{10} \cdot \frac{3}{10} \cdot \frac{6}{10}$$

Hydro

$$a) \frac{6}{10} \cdot \frac{4}{10} + \frac{6}{10} - \frac{6}{10}$$

$$b) \frac{6}{10} \cdot \frac{6}{10} + \frac{4}{10} \cdot \frac{3}{10} + \frac{1}{10} \cdot \frac{1}{10}$$