

Т/2

$$\alpha = 0,02010 = 0,2$$

$$H_0: \xi \sim p(x) = \frac{1}{4}\{1\} + \frac{1}{4}\{2\} + \frac{1}{6}\{3\} + \frac{1}{3}\{4\}$$

$$H_1: \xi \sim p_1(x) = \frac{1}{4}\{1\} + \frac{1}{4}\{2\} + \frac{1}{4}\{3\} + \frac{1}{4}\{4\}$$

$$n=2$$

$$f = \frac{p_1(x_1) \cdot p_2(x_2)}{p_0(x_1) \cdot p_0(x_2)}$$

2 \ 1	1	2	3	4
1	1	1	$\frac{3}{2} \checkmark$	$\frac{3}{2}$
2	1	1	$\frac{3}{2} \checkmark$	$\frac{3}{2}$
3	$\frac{3}{2} \checkmark$	$\frac{3}{2} \checkmark$	$\frac{9}{4} \checkmark$	$\frac{9}{8}$
4	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{9}{8}$	$\frac{9}{16}$

H_0

2 \ 1	1	2	3	4
1	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{24} \checkmark$	$\frac{1}{12}$
2	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{24} \checkmark$	$\frac{1}{12}$
3	$\frac{1}{24} \checkmark$	$\frac{1}{24} \checkmark$	$\frac{1}{36} \checkmark$	$\frac{1}{18}$
4	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{18}$	$\frac{1}{9}$

H_1

2 \ 1	1	2	3	4
1	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16} \checkmark$	$\frac{1}{16}$
2	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16} \checkmark$	$\frac{1}{16}$
3	$\frac{1}{16} \checkmark$	$\frac{1}{16} \checkmark$	$\frac{1}{16} \checkmark$	$\frac{1}{16}$
4	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$

$$G: C \geq C$$

$$P(C \geq C | H_0) \leq 0,2$$

Найдем с $\frac{9}{4}$ (3,3), тогда будем 4 раза по 3,2
получим $0,1944 \leq 0,2$ (Деление на найденное)

$$C = \frac{3}{2} \rightarrow \alpha_1 = \frac{7}{36}$$

$$W = \frac{5}{16} \Rightarrow \alpha_2 = \frac{91}{16}, \left(\text{unmöglich, rge "V", rge rge } H_1 \right. \\ \left. \text{u möglichem } W \right)$$

$$\text{Omben: } W = \frac{5}{16}$$