

[T 11]

$$H_0: P_1 = P_2 = \frac{1}{4}, P_3 = \frac{1}{6}, P_4 = \frac{1}{3}$$

$$H_1: P_1 = P_2 = P_3 = P_4 = \frac{1}{4}$$

$$L = 0,2 \quad n = 2$$

$$p \sim \frac{1}{4} \delta(x-1) + \frac{1}{4} \delta(x-2) + \theta \delta(x-3) + \left(\frac{1}{2} - \theta\right) \delta(x-4)$$

$$H_0: \theta = \frac{1}{6}, \quad H_1: \theta = \frac{1}{4}$$

$$L = \frac{L_1}{L_0} = \frac{\frac{1}{4} \delta(x-1) + \dots}{\frac{1}{4} \delta(x-1) + \dots}$$

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

P_0 :

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

$$P_1: \text{все по } \frac{1}{16}$$

G: по сравнению "3" ~~и~~ и и и и и и 1 раз
без "4"

$$L_1 = \frac{1}{36} + \frac{4}{24} = 0,19 \leq 0,2 = L$$

но аннотировано L_1 и L_2

$$L_2 = \frac{11}{16}$$

$$W = 1 - L_2 = \frac{5}{16}$$