

N8

$$n_1 = 300; n_2 = 300; L = 0,05$$

	2	3	4	5
I	33	43	80	144
II	39	35	72	154
	72	78	152	298

H_0 : потоки однородны
 $H_1: \bar{H}_0$

$$P_1 = \frac{72}{600} \quad P_2 = \frac{78}{600} \quad P_3 = \frac{152}{600} \quad P_4 = \frac{298}{600}$$

$n_j P_i$	2	3	4	5
I	36	39	76	149
II	36	39	76	149

$$n_j \geq 50; n_j P_i \geq 5 \Rightarrow \tilde{\Delta} = \Delta_1 + \Delta_2 \approx 2,08$$

$$\Delta \leadsto \chi^2 \left(\left(\frac{k-1}{3} \right) \left(\frac{m-1}{1} \right) \right) = \chi^2(3)$$

$$p\text{-value} = P(\Delta \geq \tilde{\Delta} | H_0) = \int_{2,08}^{\infty} P \chi^2(3) dx = 0,5562$$

⇒ нет оснований отвергнуть H_0