T-9

	"2"	"3"	"4"	"5"	
Дано: первый поток	33	43	80	144	$n_1 = 300$
второй поток	39	35	72	154	$n_2 = 300$
	72	78	152	298	

$n = 600$

$\alpha = 0,05$

Для первого потока:

$$\tilde{\Delta}_1 = \frac{\left(33 - \frac{72}{600} \cdot 300\right)^2}{\frac{72}{600} \cdot 300} + \frac{\left(43 - \frac{78}{600} \cdot 300\right)^2}{\frac{78}{600} \cdot 30} +$$

$$+ \frac{\left(60 - \frac{152}{600} \cdot 300\right)^2}{\frac{152}{600} \cdot 300} + \frac{\left(144 - \frac{298}{600} \cdot 300\right)^2}{\frac{298}{600} \cdot 300} \approx 1{,}039$$

Для второго потока:

$$\tilde{\Delta}_2 = \frac{\left(39 - \frac{72}{600} \cdot 300\right)^2}{\frac{72}{600} \cdot 300} + \frac{\left(35 - \frac{76}{600} \cdot 300\right)^2}{\frac{76}{600} \cdot 300} +$$

$$+ \frac{\left(72 - \frac{152}{600} \cdot 300\right)^2}{\frac{152}{600} \cdot 300} + \frac{\left(154 - \frac{298}{600} \cdot 300\right)^2}{\frac{298}{600} \cdot 300} \approx 1{,}039$$

$$\tilde{\Delta} = \tilde{\Delta}_1 + \tilde{\Delta}_2 = 2{,}078$$

$$\Delta \rightsquigarrow \chi^2\left((k-1)(l-1)\right) = \chi^2(1 \cdot 3) = \chi^2(3)$$

$$p\text{-value} = \int_{2{,}078}^{\infty} q(t)\,dt \approx 0{,}55 > \alpha = 0{,}05 \gg$$

$\Rightarrow$ нет оснований отвергнуть H_0