T12:

$n=2$

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

H_1: $P_1=P_2=P_3=P_4=\frac{1}{4}$ $\alpha=0{,}2$

H_0:

P	1	2	3	4
1	1/16	1/16	1/24	1/12
2	1/16	1/16	1/24	1/12
3	1/24	1/24	1/36	1/18
4	1/12	1/12	1/18	1/9

H_1: $P_{ij}=\frac{1}{16}$

G: $\ell \geq c$ $P(\ell \geq c \mid H_0) \leq 0{,}2$

L

\	1	2	3	4
1	1	1	3/2	3/4
2	1	1	3/2	3/4
3	3/2	3/2	9/4	9/8
4	3/4	3/4	9/8	9/16

$c=\frac{9}{4}$:

$P(\ell \geq \frac{9}{4} \mid H_0)=\frac{1}{36}$

$c=\frac{3}{2}$

$P(\ell \geq \frac{3}{2} \mid H_0)=\frac{1}{24}+\frac{1}{36}+\frac{1}{24}+\frac{1}{36}=\frac{70}{360}$

$\alpha=\frac{72}{360} \Rightarrow c=\frac{3}{2}$

$\alpha=\frac{1}{36}$ $\alpha_2=P(\ell<\frac{3}{2} \mid H_0)=\frac{11}{36}$ $W=\frac{5}{36}$