

12.

$$H_0: V_1 = \frac{1}{3} \quad V_2 = \frac{1}{6} \quad V_3 = \frac{1}{4} \quad V_4 = \frac{1}{4}$$

$$H_1: V_1 = \frac{1}{4} \quad \dots$$

$$\alpha = 0,2$$

$$h = 2$$

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

	1	2	3	4
1	$\frac{1}{16}$	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	$\frac{1}{16}$

$$L \geq C$$

$$L = \frac{1}{16} \dots$$

$$\left(\frac{1}{36} + \frac{4}{24} \right) + \frac{2}{18}$$

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

$$\alpha_1 = \frac{7}{36}$$

$$W = \frac{5}{16} \left(P(L \geq C | H_1) \right)$$