

Unidad 4: Probabilidad y estadística.

Lección 10: Probabilidad.

Tema 3: Cálculo y comparación de probabilidades.

Guía de trabajo 15: Diagrama de árbol.

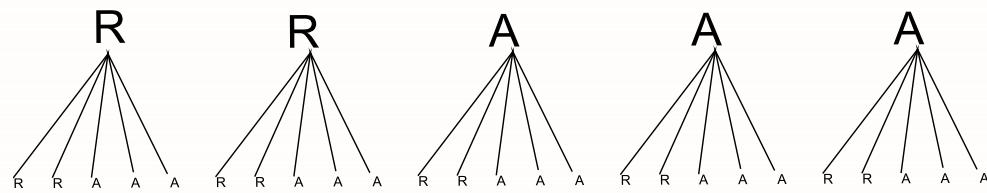
1.

- a. Lanzar una moneda, luego lanzar un dado de 6 caras.
- b. 12 resultados posibles.
- c. $A = \{C_2, C_4, C_6\}$

$$d. \frac{3}{12} = \frac{1}{4} = 25\%$$

2.

a.

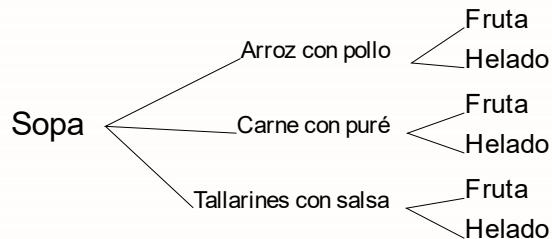


b.

- $\frac{9}{25} = 0,36$
- $\frac{6}{25} = 0,24$
- $\frac{13}{25} = 0,52$
- $\frac{12}{25} = 0,48$

3.

a.



b. 12 combinaciones.

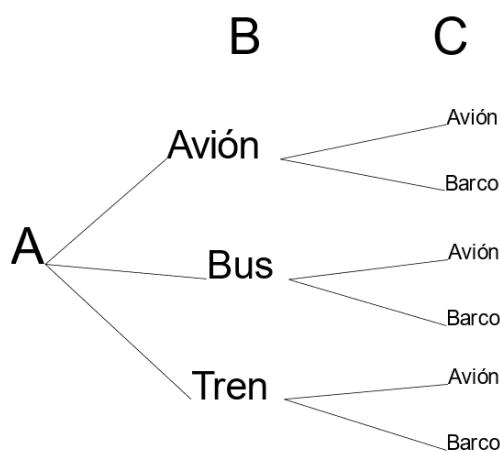
c. $\frac{1}{12} = 8,3\%$

d. $\frac{8}{12} = 66,6\%$

e. $\frac{2}{12} = 16,6\%$

4.

a.



b. Hay 6 maneras distintas de llegar a C pasando por B.

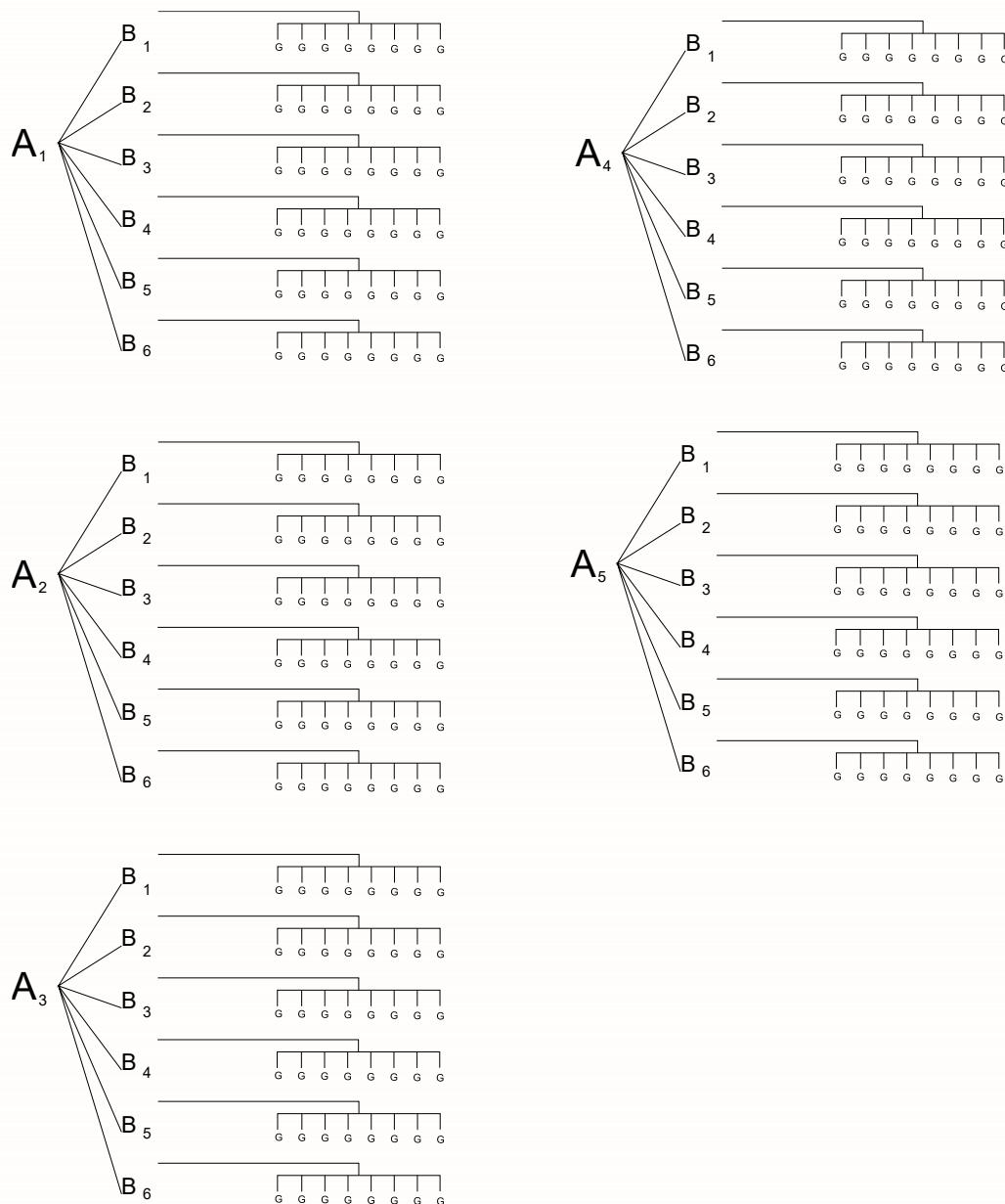
c. $\frac{1}{6} = 0,166$

d. $\frac{1}{6} = 0,166$

e. $\frac{1}{6} = 0,166$

5.

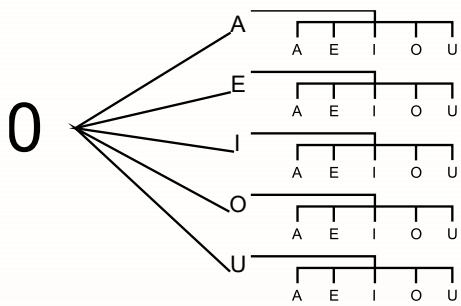
a.



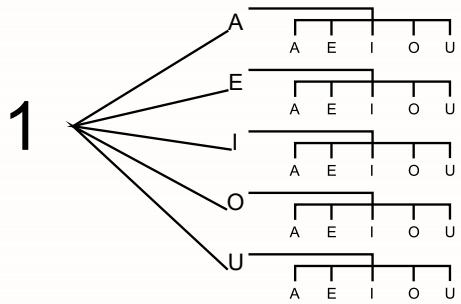
b. Tendrá que elegir entre 240 tenidas diferentes.

6.

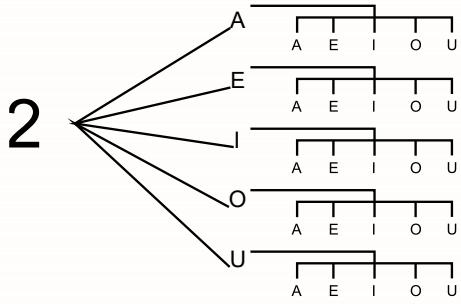
a.



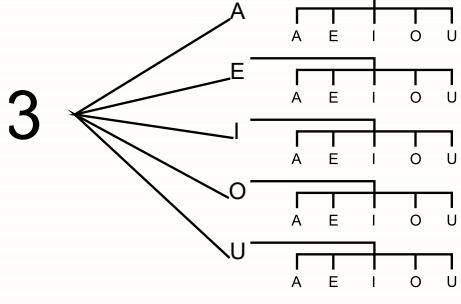
1



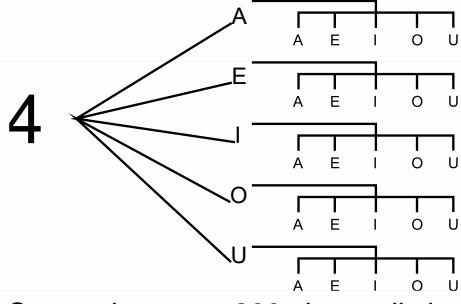
2



3

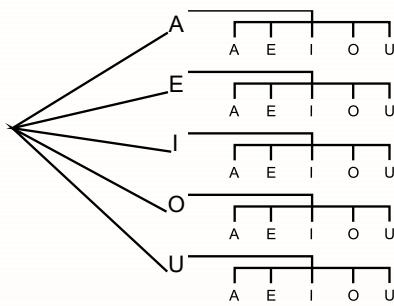


4

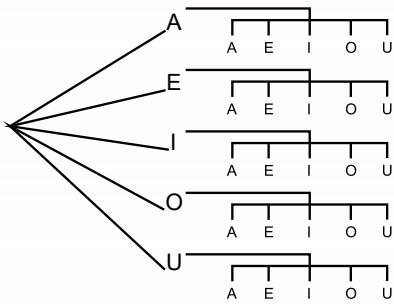


b. Se pueden crear 200 claves distintas.

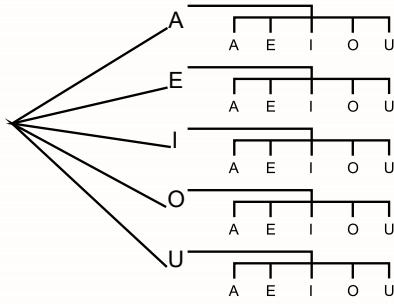
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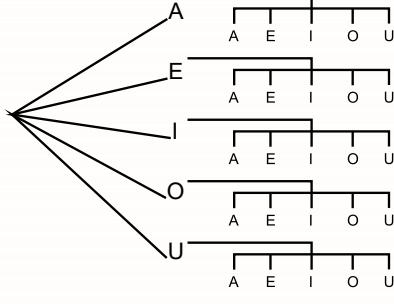
6



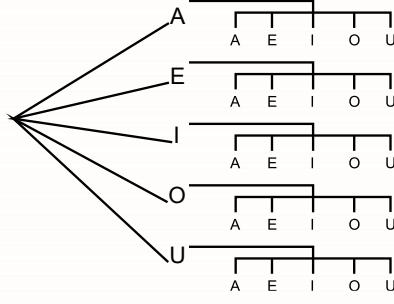
7



8



9



c. $\frac{1}{200} = 0,05\%$

d. $\frac{1}{200}$

e. $\frac{50}{200} = 0,25$

f. $\frac{25}{200} = 0,125$

g. $\frac{90}{200} = 0,45$

h. $\frac{25}{200} = 0,125$

➔ Ayuda en la visualización de datos y casos posibles.