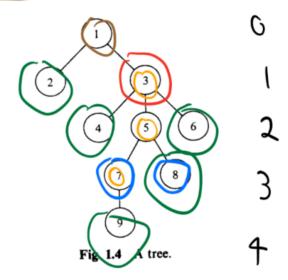
Herramientas básicas

Fuente: J.E. Hopcroft, J.D. Ullman. Introduction to Automata Theory, Languages, and Computation. Addison-Wesley, (1979), pp. 10-11.

- In the tree of Fig. 1.4, 1.1
- a) Which vertices are leaves and which are interior vertices?
- b) Which vertices are the sons of 5?
- c) Which vertex is the father of 5?
- d) What is the length of the path from 1 to 9? A
- e) Which vertex is the root?



$$q) \stackrel{q}{\underset{i=0}{\xi}} \stackrel{i=\frac{n(n+1)}{2}}{=\frac{n(n+1)}{2}} \xrightarrow{N=1} \stackrel{1}{\underset{i=0}{\xi}} \stackrel{n=k}{\underset{i=0}{\xi}} \stackrel{n=k}{\underset{i=0}{\xi}} \xrightarrow{N=k+1}$$

$$1 = \frac{1(1+1)}{2} \stackrel{n=k}{\underset{i=0}{\xi}} \xrightarrow{N=k+1}$$

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$$\frac{1}{2} \stackrel{n=k}{\underset{i=0}{\xi}} \xrightarrow{N=k+1} \xrightarrow{N=k+1}$$

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$$\frac{1}{2} \stackrel{n=k}{\underset{i=0}{\xi}} \xrightarrow{N=k+1} \xrightarrow{N=$$