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**Herramientas básicas - Actividad 1.1**

**1.1 In the area of Fig 1.4,**

* **Which vertices are leaves and which are interior vertices?**

Leaves: 2,4,9,8,6. Interior vertices:1,3,5,7

* **Which vertices are the sons of 5?**

Sons of 5: 7 and 8

* **Which vertex is the father of 5?**

Father of 5: 3

* **What is the length of the path from 1 to 9?**

The length is 5

* **Which vertex is the root?**

The root is the number 1



**1.2 Prove by induction on n that**

Diagram

Description automatically generated

\* Nomás se hizo la primera ya que se nos pidió solo hacer una de las dos demostraciones.