

The diagram illustrates a hierarchical tree structure, likely representing a mathematical or computational process. The nodes are labeled with mathematical expressions, and the edges represent the relationships between them. The structure is divided into several sections, each containing a different set of nodes and edges.

- Top Section:** A central node labeled  $\mathbb{R}^n$  branches into three nodes:  $\mathbb{R}^{n-1}$  (left),  $\mathbb{R}^{n-2}$  (middle), and  $\mathbb{R}^{n-3}$  (right). The  $\mathbb{R}^{n-3}$  node further branches into four nodes:  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$ .
- Second Section:** Three nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ , and  $\mathbb{R}^{n-3}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-4}$  and  $\mathbb{R}^{n-5}$ .
- Third Section:** Three nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ , and  $\mathbb{R}^{n-3}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-4}$  and  $\mathbb{R}^{n-5}$ .
- Fourth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Fifth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Sixth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Seventh Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Eighth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Ninth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .
- Tenth Section:** A large number of nodes labeled  $\mathbb{R}^{n-1}$ ,  $\mathbb{R}^{n-2}$ ,  $\mathbb{R}^{n-3}$ ,  $\mathbb{R}^{n-4}$ ,  $\mathbb{R}^{n-5}$ ,  $\mathbb{R}^{n-6}$ , and  $\mathbb{R}^{n-7}$  are shown, each branching into two nodes:  $\mathbb{R}^{n-8}$  and  $\mathbb{R}^{n-9}$ .