



Advent of Mathematical Symbols

product: $\prod_{k=1}^n a_k := a_1 \cdot a_2 \cdot \dots \cdot a_n$

recursive definition: $\prod_{k=1}^0 a_k := 1$, $\prod_{k=1}^n a_k := \left(\prod_{k=1}^{n-1} a_k \right) \cdot a_n$