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## simultaneous converging or diverging of product and sum theorem

 ${\bf Canonical\ name} \quad {\bf Simultaneous Converging Or Diverging Of Product And Sum Theorem}$ 

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Author Johan (1032) Entry type Theorem Classification msc 30E20 Let  $a_k \geq 0$ . Then

$$\prod_{n=1}^{\infty} (1 + a_n) \text{ and } \sum_{n=1}^{\infty} a_n$$

converge or diverge simultaneously.  $\,$