

# 2837 Multip of Power Series

$$\text{Let } f(x) = \sum_{j=0}^{\infty} a_j x^j$$

$$\text{and } g(x) = \sum_{k=0}^{\infty} b_k x^k$$

Spec  $f$  has rad of conv  $R$   
and  $g$  has rad of conv  $R' \geq R$

$$\text{Let } h(x) = f(x)g(x) \text{ for } |x| \leq R \text{ with } |x| < R'$$