

KONVOSI KOLOMERU KONVERGENCE

$$\sum a_k (x-x_0)^k$$

$$\sum a_k \cdot k (x-x_0)^{k-1}$$

$$\left| \frac{a_k}{a_{k+1}} \right| \rightarrow R$$

for $k \rightarrow +\infty$

$$\left| \frac{a_k \cdot k}{a_{k+1} \cdot (k+1)} \right| =$$

$$= \left| \frac{a_k}{a_{k+1}} \right| \cdot \left(\frac{k}{k+1} \right) \rightarrow R-1=R$$

\downarrow
 R

$\rightarrow 1$
for $k \rightarrow +\infty$