## LIMITI DI SUCCESSIONI

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{(m+1)^{m+1}}{m} = \frac{1}{m}$$

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{(m+1)^{m+1}}{m} \rightarrow +\infty$$

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{(m+1)^{m+1}}{m}$$

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{(m+1)^{m}(m+1)}{m}$$

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{M+1}{m} - \frac{M+1}{m}$$

$$\lim_{n \to +\infty} \frac{M+1}{m} - \frac{M+1}{m}$$

$$\lim_$$

ORe lim læm = 0 guird per comper 2 ione si her lim M = lim e = e=1 · lim M = 00° = e quindi lim M= lim e= e o lim Maga =? e lim log M mhilizziamo il cambio di  $lagb = \frac{bagb}{laga}$ Inexart mil: muora base scelta\_ beg M = Beg M = = logn Mloge = logn con lim hay m = lim ham = 0 M=>+0 (ham) (New In) M -1 - 0 han -> +00 sen -I ham so (han) (sen L) Ricardiamo del limite notevole lim (-1 = 1 allere multiplishiams e dividicend -s pri la pomendo sen(1) prieli i limite notavale Allow il limite vale 1.1=(1) m bog m2 - bog (bog m) R = 2  $\lim_{M \to +\infty} \frac{M \log m^2 - \log(\log m)}{n}$ (R=2)log (MM beg M) M(MM-1)heg (m +2)! - heg M!  $\lim_{M \to +\infty} \frac{\log m}{\log (m+2)(m+1)}$  $\lim_{M \to \infty} \frac{\log M}{\log (M^2 + 3M + 2)}$ her (n2 (1+3+2)) hg (n) + hy (1+2 + 2) hern Lage M



