





TM (WEIERSTRASSON BESKONACAN PRODUKT) 1 = 2 PT (1+2) e = PRI ČEMU JO 8 EULER- MASCHEROMEN, 8 = lim (1+ 1+ 1+ 1+ + + + - lnn) = 0.577 DOKAZ M(2) = lim 1.2.m = 1 lim m2 11 (1+ k) 2+2 = 2+1, 2+m = 3 +1 Pelm 1 T(2) = 2. lim e + lm | | (1+ k) e + k $= 2 \lim_{n \to 2} e^{2(1+\frac{n}{2}+\frac{n}{2}+\dots+\frac{n}{n}-\ln n)} \prod_{k=1}^{m} (1+\frac{2}{k}) e^{\frac{2n}{k}}$ 1+2=0 => (2=-k], LeN -> POLOVI 1. REDA (0,-1,-2,-3,0) TM: $T(z) = \int_{z-1}^{z-1} e^{-\xi} dt + \int_{k=0}^{z} \frac{(-1)^k}{k!} \frac{1}{2+k}$ tocks 2=-k (k=0,1,2,3,...) su polovi 1. 2=0.4 1 $Veueo_1$ $Res(M2), -k) = \frac{(-1)^k}{k!}$ DOKA2: $\Gamma(z) = \int_{z-1}^{z-1} e^{\pm z} dt = \int_{z-1}^{z-1} + \int_{z-1}^{z-1} dt = \int_{z-1}^{z-1} e^{\pm z} dt = \int_{k=0}^{z-1} \frac{e^{\pm z}}{k!} t^{2-1} dt = \int_{k=0}^{$

