```
N2. a5 = 9, ay = 1 > (1).
(1)? I! poeton & =0: f(2) -auama., 142)=f(2), f(0)=1.
      Предл. 6.4. 1! вз.-оди. соответствие мениду росткаму поломорфиях ф-пй в т.рев и степ редами виде
5Cx12-p) k c R70.
    Ilpegnoworum, I poemok 6 = 0: f(x) = \sum_{k=0}^{\infty} l_k x^k.
    Ck = + (K)(0)
l_1 = \frac{f'(0)}{1!} = \frac{f(0)}{1} = 1, \ l_2 = \frac{f''(0)}{2!} = \frac{f'(0)}{2!} = \frac{f(0)}{2!} = \frac{1}{2!} | \dots | \ l_{\kappa} = \frac{f^{(\kappa)}(0)}{\kappa!} = \frac{f(0)}{\kappa!} = \frac{1}{\kappa!}
 \Rightarrow \int \{z\} = \sum_{i=0}^{n} z^{k}. Hempygno zamuno, 4mo əmo e^{2}, a znaem, 4mo y əmoro paga k exogunorm 70. \Rightarrow no npega. k. 4 panox
11
  Imbem: I! poetou (gorazano).
N3. R2 = 9
     a6 = 5
    w(2) 6 8(0): cosw=2, w(0)=\frac{\pi}{2}, g(t)=e^{\pi i t}-1 w(s(1))=?
    W = \arccos \frac{1}{2} + \Delta T R, w(0) = \frac{\pi}{2} + \Delta T R, a mago \frac{T}{2}, \Rightarrow w = \arccos \frac{1}{2}, \frac{k}{2} = 0.
     >(1) = e 11 1 - 1 = -2.
     w(x(1))= w(-a) = auccos(-a)
 • t = auccos (-a).
   COSt = -2 - \frac{\ell^{1+1}\ell^{-1+1}}{2} = -2. Tyeto m = \ell^{-1}t o lunare \ell^{-1}t = cost + isint <math>\Rightarrow cost = sint \Rightarrow npom. \ \ell \ OTT). Torda
m + \frac{1}{m} = -4 \rightarrow m^2 + 4m + 1 = 0 \rightarrow m = -2 \pm \sqrt{3}. Umak, e^{it} = -2 \pm \sqrt{3} < 0. The reconstruction of yactu.
                                                                                > |-2± 531=-(-2± 53)=2=53.
Aprymentor -2± V3: 17 + 2πκ, κε 3. > Copala: ln (2 ∓ V3) + (71+2πκ)i, κε 7 > It = ln (2± V3)+π (2κ+1)i, κε 3, ;= = -i
\Rightarrow t = -i \cdot \ln(a \pm \sqrt{3}) + \pi(ak+1). Mbl Sparu bembo apricocury ca, \tau. \epsilon by up thus \frac{\pi}{2} \Rightarrow t = -i \cdot \ln(a + \sqrt{3}) + \pi.
     Imbem: -i. ln (2+53) +11 = auccos (-2).
N4. 20=4, 2y=13 20+2y+1=6.
```

