```
99: 213 s) Dem c nouversus megunicul.
             Sin(21+22)= Sin 2,00522+ Cos2152422
                                                 - 71,224 C
              zuen sur que benseera moi
 Moz1. Buoneleupyeen unough, X2 e 12
Plu g(21) = 534(21 + X2), h(21) = 51421 cos x2 + cos 2 , 54422
Mueurence u.g.h augulue uzmegrab, 6306 6 mes. G
bow rune Z1, a & han E bens oce us un Z1
 minor 1) 5) 3) panomono, =, B(34) = p(54)
B crew mouse goingono, uno son (2,+x2) = 5247, cosx2+
7,60 + cos 2,534,X2
X2CIR
  Mar 2. 3aspeller upough. Zi et
 P/u g(21) = 5:4(21+71), h (21) = 5:47, cos214 cos218442
 6- 44-44 Zz, Ê- er brusses
6- 44-44 Zz, Ê- er brusses
6 megregueurs. ber myndemm 17 2/3) bonder =) g(2z)=h(7z)
 Buy whouse - cuis
Mu 4(2) = Cm(2-20) - Cm2 (2-20) m+1
     30- more workedow we har object of
     4(2)=Co+C1(2-20) 20-more mynumeste
   Mr. 3-=0 ecus mous mayor on gra g(7) ~
moneyer or one h(2)
   Suget and wave muchan and
   9 - Cm 2m+
                  =) f=Cuduzmin - m+n
   N = 00 24+
     y dro E(5)= (D(5)) 3 - 2m
    57 NM a) Our waregote o BM. Q=-1
           f(z)=(2+22-22-1)2(einz,1)3=g2(2).h3(2)
```

3,(-4)=(565+15)-1=-15 +0

-> g we made 3-20 nonegue

02-11- 6-20 ugueztua

9(-1)=0

8)(11)=(423+62²-2)|-1=0

9"(-1)=(1222+127)|-1=0

$$h(-1)=0$$
 $h'(-1)=(iDe^{iD})|_{-1}=-i\pi \neq 0$
 $h''(-1)=(iDe^{iD})|_{-1}=-i\pi \neq 0$
 $h''(-1)=(iDe^{iD})|_{-1}=-i\pi \neq 0$

Pay Nopureu

$$\sum_{n=-\infty}^{\infty} C_n (z-z_0)^n = \sum_{n=-\infty}^{-1} + \sum_{n=0}^{+\infty} (1)$$

Dur. Don (1) Cx MM & scrim oga vieda y1 mgs Cx Wm 5

Th1. Ecun may (1) Cx B workye K; 0 < Rx < 17-701 < Rz < +70 every mans of 2-20 viring ever house on an

The Ecury f(2) rea. & house K, mo 3! le prese. & ney (1) b K, up anou

Bourceoure: Breymen house K, b hon pay cx.,

541 Dz 4) Pych 6+0 Et. Dezi. 00-10, 1-6126 prog 1 no Z & R: (24) B

$$K_1: |z| < 161, |K_2: |z| > 161$$
 $\frac{1}{2-6} = \frac{1}{2} \cdot \frac{1}{1-61^2} = \frac{1}{2} \cdot \frac{1}{1-61^2}$

4(5) =
$$\frac{5.5515}{5.4-2:} + \frac{5.55(1+5:)-1+.}{35-1-3:}$$
 P K' costum m' 50=0

Mar 1: rushin hopmu zhen Dr u Dz P1: 22-27-1+1-0; (2-1)2=-1 2-1+2 わない そこじょくれ $f(s) = \left[\frac{s-(v-i)}{4}, \frac{s-(v-i)}{2}\right] + \left[\frac{s-i}{5}, \frac{s-(v+i)}{6}\right]$ A(2-(1-i))+B(2-(1-i))=2-1-5; . => A=3,B=-2,C=1,D=2 f(2) = [2-(1-i) = -(1-i)] + [2-i + 2 / (1+i)] Bleger f(z)= 2-(1-i) 2-i; P=f um 2 + (+i Mor 3. B f(2) 050 moure 2-21=W; g(w)=f(w+2i) $g(w) = \frac{3}{w - (1 - 3)} + \frac{1}{w + i}$ Kr. (W/CA) Kz: 1<16/50 K3: 141750 20 = 0 -> Wo= 20-2: -- 2: =) bus utimepacyem Komen rongerian : $\sqrt{-}$ = $\frac{2}{5}$ m, luist $A = \frac{-3}{(1-3i)-W} = \frac{-3}{1-3i} \cdot \frac{1}{1-\frac{1}{1-3i}} = \left[1 - \frac{1}{1-3i} \cdot \frac{1}{1+3i} \cdot \frac{1}$ = \frac{1}{2} \frac{(-3) W^2}{(1-3)^{N-4}} $B = \frac{\lambda}{\omega} \cdot \frac{1}{1 - (-i/\omega)} = \left[u - \frac{i}{\omega} \right] = \sum_{n=1}^{\infty} \frac{(-i)^n}{\omega^{n-1}}$ => $y(w) = \sum_{n=0}^{\infty} \frac{(-3)(z-2)^n}{(x-3)^{n-2}} + \sum_{n=0}^{\infty} \frac{(z-2)^n}{(z-2)^{n-4}}$ Dre vous f(z) ouben 6 Kz: 1 < 12-2:1 < 500 m 2=1+2 (5 mm.g/n e-92. ueg. 1. . 92) 2.1. eguncul Burs 6 Squist

3 may Nopration