Da	le		
Jυ	ιU	•	

$$\frac{\lim_{\delta \to \infty} \frac{3 - \sin \delta}{3 \cdot (e^{\hbar \delta} - 1)} = \frac{1}{3^2 \cdot 11 \cdot 10^2} = \frac{1}{611}$$

Date.

$$\frac{(2 g(3) = |+ h') \cdot g((-1)^n) = 0}{g'(8) = h h'} + g'((-1)^{\frac{1}{n}}) = h (-1)^{\frac{1}{n}} + 0$$

```
2° 3=2kT 19 - 3 +0.
      元3(b)=1-G,z g(k1)=0.
    g'(b) = sin & g'(2hti)=0.
  g''(3) = \omega_{3}, g''(2k\Pi) = [\pm 0, -1]
3 = 2k\pi (k = \pm 1, \pm 2, -1) \Rightarrow = 1/2 k\pi
    i' dk=2kTi , lim dk = w
     1. ∞ 不是 f10)的新之夺重
11.(1). 为(m+n) 阶极达
   3 m>n 对,为(m-n)阶极点
3 m≤n 对,为可去极点.
 y). 当f(b) +-g(d) 对, 为 max [m,n) 竹板点
  8 + (8) = -9(0)4, 为了去方に
 4), 3m ≠n 时, 为 [m-n [P介社之 ) (()(1))
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 $\frac{7(8)=e^{\frac{1}{1-3}}}{12\cdot(1)\cdot7'(8)=\frac{7}{(7-3)^2}e^{\frac{1}{1-3}}}$ $\frac{7(8)=(1-28+8^2)\cdot(1-6)\cdot e^{\frac{1}{1-3}}}{7(8)}$ $\frac{7(8)=(1-28+8^2)\cdot7'(8)}{7(8)}$

 $\frac{(2') \cdot f(\delta) = ([-2\delta + \delta^2) f'(\delta))}{f'(\delta) = (2\delta - 2) f'(\delta) + ([-2\delta + \delta^2) f''(\delta))}$ $\frac{f'(\delta) = (2\delta - 2) f'(\delta) + ([-2\delta + \delta^2) f''(\delta))}{f'(\delta) + ([3 - 2\delta + 1) f''(\delta) + ([3 - 2\delta + 1) f''(\delta))}$ $\frac{f'(\delta) = e}{f'(\delta) = e}$ $\frac{f'(\delta) = f''(\delta)}{f''(\delta) = -2f''(\delta) + f''(\delta)}$ $\frac{f''(\delta) = e}{f''(\delta) + 3 f''(\delta) = -2f''(\delta) + f''(\delta)}$ $\frac{f''(\delta) = e}{f''(\delta) + 3 f''(\delta) = -2f''(\delta) + f''(\delta)}$

 $\frac{|3.(1). 3^{2}+3-|=0 ; 3=\frac{-1+15}{2}}{; R=\frac{15-1}{2}}$

 $\frac{P_{3} + (n^{3}(3)(3^{2}+8-1) + N + (n^{-1})(1)(23+1) + N(N-1) + (n^{-1})(3) = 0}{P_{3} \cdot N! \cdot Q_{N}(3^{2}+8-1) + N \cdot (N-1)! \cdot Q_{N-1}(23+1) + N(N-1)(N-1)! \cdot Q_{N-1}(23+1)} = 0$

 $\frac{3}{2} = 0$ $- a_n + a_{n-1} + a_{n-2} = 0$

$$\frac{\partial Q_{n} = Q_{n-1} + Q_{n-2}}{\partial Q_{n} = \frac{1}{10}} = \frac{1}{10} =$$

$$\frac{2}{(5-3)^{n+1}} = \frac{f(s)(1-s)}{(5-3)^{n+1}(1-s)}$$

$$\frac{7(3)(1-3)-1}{1-5-5^2}$$

$$\frac{1+5^2+(5)-1+3}{1-3}$$

$$\frac{1}{\sqrt{16}} \left(\frac{1}{16} \right) = \frac{1}{16} + \frac{$$

$$\frac{1}{2\pi i} \int_{|s|=r}^{1+s^2f(s)} ds = \frac{f^{(n)}(3)}{n!}$$

```
7+ = e10+ e-10 = 20010.
                                      cosh (2+ 1) = cosh (2 cos0)
        利用 Grat か注意犯。
eacso=Ta
                                                                                                  = 了。(3)+2至了。(3)公5(10),却了(3)为第一类修建原案。
                  7: Cuhx = = (exte-x)
                             Cosh (2) Coso) = Jo (2) + 2 \sum_{n=1}^{\infty} In (2) \cos (h0)
                            \frac{1}{3} = \frac{1}{2} \frac{(3h(26)0) = \sqrt{(3) + 3}}{(3h + 3 - n)} = \frac{1}{3} (3h + 3 - n)
\frac{1}{2} \frac{(3h + 3 - n)}{2} = \frac{1}{3} \frac{(3h + 3 - n)}{3} = \frac{1}{3} \frac{(3h + 3 
                  代人:
   cuh (2+1)= To(2) + \(\sum_{n=1}^{2}\In(2)\left(2^n+3^{-n}\right)
         下海比喇: (n=In(2)
                 as (10) Cosh (2 as 0) do
             Jon Cos(nθ) (Jo(2)+22 Jo(2) Cos(k:θ) dθ
                             2 COS (NO x/2 0
                       Son Cos (k0) dθ = TT Sn. k
              : 50 as(n0) ash(20,0) do
              = 2 Tn(2) [3 " cos2 (n0) d0
            1. Cn = 2/1 5 Cos (NO) cosh (2000) do = In (2) 1410.
(3+ 5) = Co + > (n(2"+3")
```

15.
$$\frac{1}{2}(\frac{1}{2}) + \frac{1}{2}(\frac{1}{2}) = \frac{1}{2} + \frac{1}{2}(\frac{1}{2}) + \frac{1}{2}(\frac{1}{2})$$

· · 3·为于(3)分内阶极点
, to act 5
f(3) ≈ 1/3 (3-30)
(9-90)
f'(s) - n
$\frac{f(\delta)}{f(\delta)} \approx \frac{3-30}{3-30}$
2f'(s) ~ nb.
$f(\delta) \sim \frac{1-80}{1-80}$
Res = 10 (3-30)(- 3-30) = -10 (6)
1->6.
- i f. 3+(1) d> = - N30- >π(
JC 412), (1)
$\frac{1}{2\pi i} \int_{C} \frac{3f(3)}{f(3)} ds = -n ds$
271 JC +(3)
$\frac{1}{1}$ $\frac{1}$
(8)
$=$ \sum_{i} m_{i} m_{i} m_{i} m_{i} m_{i}
Hazing T
并注:12.12.15中人大主,明的为中国首都公司。2000年11日,11日,11日,11日,11日,11日,11日,11日,11日,11日
1) = d = cf d = (6) - (6) - (6) - (7) - (1) - (
11 - C 1 1 (1) (1) (1) (1) (1) (1) (1) (1) (1)
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)