$$\chi(z) = \frac{3}{1 - 0.5z^{-1}} + \frac{2}{1 - 2z^{-1}}$$

李物数 1671194 160324

(1). 根益为之,=0.5 82-2.

· 匪 图20上。或 0.52图22 或图72.

(1)、 (1) 12120-5: 为观方到。



F(Z)=X(Z)Zn-1 = 1-7Z+.Zn-1 = 1-7Z+.Zn-1 = 1-7Z+.Zn-1 对考虑之"情况"表内20. C的无格的,p(n)=0.

③老水豆、艾的为的粉粉点...

(: Y(n)==Res[F(8). Zzk] = - (18-7) 2" (12-7) 2" (7-41)

= - (3.1/2)"+2-2")·U(-1-h).

② 0.5~121~2: 为双地压到.

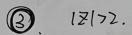


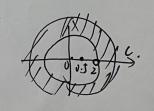
D. N70 6. CHJAZ=0.f.

fin)= Res[Fiz), o.+] = 3.(=) " ucn).

②. N=-1时. C内有-附至=0.55n所至=0.30多小. 7(n) = - Res[F(2), Zsk=2] = -2-2n.uc-1-n).

(x(n) = 3. (2) "- un) -2-2"- uc-1-n).





DNZODJ. 有0.1.2四个新极效...

X(n) = [Res[Fa). Zik] = [3. (2) 1+2.2]. u(n).

②· N ≤ -1 10寸. 0为 n 所,但 C 外无路数引出

: X(N)=0

: Yun) = [3. (1)"+2.2"]- win)

2.24.
$$\chi_{(2)} = \frac{1}{1 - 1.5 \cdot z^{-1} + 0.5 z^{-2}} = \frac{z^{2}}{z^{2} \cdot \frac{3}{2}z + \frac{1}{2}} = \frac{1}{z^{2} \cdot \frac{3}{2}} = \frac{1}{z^{2} \cdot \frac{3}{2}z + \frac{1}{2}} = \frac{1}{z^{2} \cdot \frac{3}{2}z + \frac{1}{2}} = \frac{$$

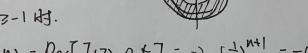
D. 121 < 0-5.



17-10g. CHZASE XUN=0.

$$= \left[2 \cdot \left(\frac{1}{2}\right)^{n+1} - 2\right] u(-n-2)$$
.

12-1 Ht.



n EL-1 AT.

3). 12171.

nzo At.



N<-184.

calata my xuno