(1) 
$$y = \frac{2x_0 + x_1}{4x_1 + x_2} \frac{(x_0)}{4x_1 + x_2} \frac{(x_0)}{2x_1 +$$

 $f(n) = \int_{0}^{\infty} \frac{\log(xn-1)}{x} \frac{1}{\log(xn-1)} \frac{1}{x} \frac{1}{\log(xn-1)} \frac{1}{x} \frac$ (+)1.91.91.9(22-1) 20-01.90 >1 -0 42-1 >0 -0 427-0 224 = 2D 1 = 1ULUL = [x2+00) : Y (05 21 +1 ) . - > COS 2 > - + ; is) y > 109 (x (05 22 +1) => DT = 16- [KKG+ LE , KKG- KE]  $= \frac{1}{y} = \frac{$  $= 1 + \log(\frac{n-1}{n+1}) > 0 - \frac{n-1}{n+1} > 1 - \frac{x-1-x-1}{n+1} > 0 = \frac{-1}{n+1} > 0 = \frac{-1}$ =) Dt = / Ux : (- 0, -1)  $f(n) = \int (a+r)n^r + an + b$   $0 \quad D \neq = (-\omega_0 + \lambda_0) \quad b = 2$   $= \sum_{n=1}^{\infty} \frac{1}{(n+r)} \frac{1}{(n+r)} = y$ =>|x=r |y=0 = V-4+b=0 |->|b=4| f(n) = Jn++n++-m+ , Df = 1R =) \(\frac{1}{\infty} \left\{ \frac{1}{\infty} \left\{ \frac{1}{\infty} \frac{1}{\infty} \left\{ \frac{1}{\infty} \frac{1}{\i 1000 : 1 = (1-) -1 : (101) = m (=  $f(n) = \frac{\sqrt{\epsilon - nr}}{[n]_{+}[n]_{+1}} : [n]_{+}[n]_{+1} \neq 0$ =,:[-+,+] { Z : {-+,-1,0,10+} 2]+[N]+1 +0 →[N]+[N]+-1 → |2000)