		2029 Cross Rahul Blood		`L ((	7/62/2024	<del> </del>	
QL. Find an	the fouries nd hence in terms	Coefficients waite on a expor	fer four	althe f	3+ AsinC	-2st+0) resentation	
Solutions	SM(S2ot+1	θ) = - (e joot e-jθ+	J(520+40)	) e-ja	20+01)		
Hence.	xLt) = B-	oith jk 2.t	t jo	Le <sup>j</sup>	Rotj'O	is the folsois	°б
		$X_0 = B$ $X_{-1} = -$ $X_{1} = 0$ $X_{1} = 0$	1 e jo			D	
	co efficie	S (at + $\frac{\pi}{4}$ ) Lation by  Nts. Fixt,  N(t) = $\frac{1}{2}e^{j(2)\cdot 1+\frac{\pi}{2}}$	finding, write c	the to	value of	zeaies cares fundamental  +III) +e-j(2++III)  t -f	?
					(2	- 1	

Hence  $\chi_{-1} = \frac{1}{2}e^{-j3T/4} = \frac{1}{2}(\frac{1-j}{5})$   $\chi_{+1} = \frac{1}{2}e^{j3T/4} = \frac{1}{2}(\frac{1+j}{5})$  $\chi_{+2} = 0$  for  $\chi_{+1} = 1$