dp

1

The same $-JK\frac{r_{\Pi}}{10}X^{9} = \frac{1}{10}\left(1-e^{-JK}\frac{9\pi}{\omega}\right)$ $\frac{-J(\frac{P\pi}{I_0})K}{-J(\frac{P\pi}{I_0})K} = \frac{b_K}{I-e^{-J(\frac{P\pi}{I_0})K}}$ 20 - j(元)9K - j(元)K 50 3 D 2 (1) x [n] = Sin (Pnh) Cos (nh). > D $Z[u] = \cos\left(\frac{\pi h}{r}\right) = \frac{e^{r} + e}{r}$ ED) y [n] = Sin (rnn) = e -e 20 20 $\rightarrow \times CW = y [N] Z[N] = \left(\frac{1}{ki} e^{\frac{y n}{\mu} h} - \frac{j \frac{kn}{\mu} h}{ki}\right)$ 20 $\left(\frac{1}{r}e^{-\frac{1}{r}h} + \frac{1}{r}e^{-\frac{1}{r}h}\right) = \frac{1}{r}\left(e^{-\frac{1}{r}h} + e^{-\frac{1}{r}h}\right)$ 20 $\frac{1}{kj}\left(e^{-j\frac{\pi}{4}h} - j\frac{\sqrt{\pi}}{4}h\right) \longrightarrow \int a_1 = a_2 = \frac{1}{ki}$ dp 30) 上

Subject:	Data :	Pago :
$\int_{-\infty}^{\infty} a_1 = a_1 = \frac{1}{\kappa_0}$		
·J		
$a_{11} = a_{01} = \frac{1}{1}$	- ·····	
" FJ		
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· Malk, was Pn	<u> </u>	
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1 x m (e + e + + e + e + e + e + e $Cos(\frac{\pi}{\mu}K) + Cos(\frac{\gamma\pi}{\mu}K)$ $a_{K} = \frac{1}{d} \sum_{h=-r}^{r} x(u)e^{-ijk\omega_{0}h}$ $\frac{1}{\omega}\left(-r+\frac{1}{r}\cos\left(\frac{\kappa_{\pi\kappa}}{\omega}\right)+\frac{1}{r}\cos\frac{r_{\pi\kappa}}{\omega}\right)=\frac{-r}{\omega}+$ 1 (Cos (Knk) + Cos (Ynk))

K

dP

Subject:	Data:	Pago:
		K
(iii) × (1) FS	> ak	
Ł	7	
	j π n	
x[u] = a0 + a1e	=	ao+
Ya. Cas I Pan n)	Sin (171 + 17)	
	- j(<u>k</u>)	
→a _v =.a _y a ₁ =.	a_1 = e r	
ycn ets b	x	
-	<u> </u>	
. u[v] =b+.b.	.e+.b	bo + 16, Cas (PTIA)
,5.	₁	9
	L - \	
	b::1::=:-1	,
	E.C	
-) Z[w] = X[w]	.y. [Lu] (FS) C. K=	t bk-t
0		-j <u>T</u>
Co=ab.v.+.a	.b.,+.ao/bo+.a.,b.,+.a.,	br = 1x e ===
o h	b_1+a060+a161+ap	۴
γ κ		
•	/ / - 1	1 / /
25.C1=.C_1=ay/c	1 + a bo + a b - 1 + mayor	MAN + a. 1. b. / p. + a. y/a _1
•		o ⁻
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dP		

-J(π/κ) $C_{Y} = C_{-Y} = a_{-Y}b_{0} + a_{-1}b_{-1} + a_{0}b_{-Y} + a_{1}b_{-Y} + a_{2}b_{-K} = 0$ $\frac{1}{\kappa} = e^{-\frac{1}{2}(\frac{\pi}{\kappa})}$ $\frac{7}{4} = \sin\left(\frac{r_{nh}}{4} + \frac{\pi}{4}\right) + \sin\left(\frac{r_{nh}}{4} + \frac{\pi}{4}\right) \cos\left(\frac{r_{nh}}{4}\right) = \frac{1}{4}$ Sin $\left(\frac{r_{\Pi h}}{q} + \frac{\Pi}{\kappa}\right) + \frac{1}{r} \left(\operatorname{Sin}\left(\frac{\kappa_{\Pi h}}{q} + \frac{\Pi}{\kappa}\right) + \operatorname{Sin}\left(\frac{\Pi}{\kappa}\right)\right) = 0$ $\frac{1}{r} \operatorname{Sin}\left(\frac{\pi}{\kappa}\right) + \operatorname{Sin}\left(\frac{r\pi h}{4} + \frac{\pi}{\kappa}\right) + \frac{1}{r} \operatorname{Sin}\left(\frac{\kappa \pi h}{4} + \frac{\pi}{\kappa}\right)$ $Co = \frac{1}{r} \sin\left(\frac{\pi}{\kappa}\right) = \frac{1}{r} \cos\left(\frac{\pi}{\kappa}\right)$ $C_{r} = C_{-r} = \frac{1}{r} e^{-j\frac{\pi}{r}}$ (1) \times $(n) = \times [-n] \longrightarrow a_n = a_{-n}$

S.

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50)

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-0

-0

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4

dP

Subject :	Data :	Page :
سه ما د سوال (<	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(n) $= \omega_a $
. [] ak " =	$\frac{k=0}{k=-k}$	(1" = Y ax + Y ax +
5 - 1 apl + 1 apl	r + l a r + l a l =	>a, a, 6
		···=·a·a·a·=·o···
$x(x) = \sum_{i=1}^{\infty} a_i$	JKw.h _ ju K.e= a_re	jω, h jω, h €
- J n J n J n d e	-h	$\rightarrow A = 1a$, $B = \frac{\pi}{\omega}$, $C = 0$
•		- 4 CH C
15Η.(jω.). =]	lw.l <	>. Yooo Π and w. < Yooo Π
$\begin{array}{c c} a_{k} = & Y \\ \hline & j(\frac{1}{y})^{ K } \end{array}$	K=0 other	<
•		
•		
25T.=110.m.S	$w_0 = \frac{P_{\Pi}}{\log x \log^2 x} = \frac{R_{\infty} \Pi}{\mu}$	
dp	<u></u>	DANIAL

Data :.... bk = ak H(Kwo) = ak H (Yookn) -> 2 3 $b_0 = a_0 H(0) = a_0 = b_0 = 1$ S 30 $b_1 = a_1 H \left(\frac{F_{\infty} \pi}{\mu} \right) \longrightarrow b_1 = a_1 = \frac{1}{\mu} j$ S. 20 $-b_{-1} = a_{-1} H \left(\frac{-\kappa \alpha \pi}{\mu} \right) \longrightarrow b_{-1} = a_{-1} = \frac{1}{\mu} d$ $i \neq : I \times I \geq P \longrightarrow \frac{F \otimes \Pi}{P} \longrightarrow H (.jw) = a$ 1 20 - j (<u>κων π</u>) t $y(t) = \sum_{k} b_{k} e \longrightarrow y(t) = \frac{J}{\nu} e + \frac{\gamma}{\nu}$ 20 je J(KOOT) t = Y + j Cos (KOOTt) do

Subject:	Data :	Pags:
$\cdot h = \left(\frac{1}{r}\right)^{\ln n}$	1	
. x [u] = \(\sum_{\text{K}=-\infty}	8 [n_ K]	
. Η (e ^{jkω}) -	-jkwoh h [n] e h=-0	$= \sum_{h=-\infty}^{+\infty} \left(\frac{1}{r}\right) = e$
$h = \sum_{h=-\infty}^{\infty} \left(\frac{1}{y} \right)^{-1}$	n - jKw₀h e + (-1/r) h=1	n _ jkwsh e = (
1 - 1 - jkw.	ا ۱_۲ _e - نلاسه	
15. × [4] FS	.ak = 1	
∑ & [h _ TK]	م. در. ها. لدت. طن . صنم! بسبه . بسرى عور به	ملق الإن
•	<u>ا</u> ہیں. سرد T	برابر. با
bk = akH.(jK)	1-1-0Kwo	1-re) =
$\frac{1}{F} \left(\frac{1}{1 - \frac{1}{Y}e^{-JK}} \right)$	1 1-re-jk #)	
db	<u>4</u>	DANIAL