i) a = [0,1,2,3]					
RECURSIVE-FFTA) {					
n=lal;					
if n=1 { return a; }					
$w = e^{2\pi i / n}$; $w' = 1$;					0
yo = RECURSIVE - FFT ([ao, a	12,, a ₁ ,-2]),	(7)	K=1		100 mm
Y = RECURSIVE - FFT ([a, a]			(8) y[1]=	-2+(-2)e	² =-2-2i
Jor k=0,, ½-1 {			The state of the s	-2-(-2)e ²	T T
ytk]= yo [k] + w' yo [k	e];	(m)			
y[k+(n/2)] = yo [k] - w		(12)	-> [6,-2-	21,-2,-2+2	
w' = w'w;		(13)			
3					
veturn y;					
3					
	Consideration (Constitution Constitution Con				
1) a=to,1,2,3]	7 (7) k=0		(6)-	a=13	
2) n=4	(8) YEO]	=0+1.2=2		(3) → [3]]yn
4) w=e2; w=1	(3) 4[1]		(7)	k=0	
(5) -> (1) on=[0,2]	(10) w'.	· 6 m		(8) y [0] = 1	+1.3=4
(2) n=2	(a) 1	Control of the Contro		(3) y[1] = -	-2
(4) w=e ", w'=1	$(12) \rightarrow \mathbb{C}^2,$	-23yo	(12).	→ [4,-2]	ya
(5) -> (1) a= [0]	(6) -> (1) a=[1,3]	(7) k=0		
(2) n=1	(2) n=2		(8) yl	[0]=2+1.4	= 6
(3) → [0]y.	(4) w= e	, w=1	Jy (e)	2]=2-1.4=	-2
$(6) \rightarrow (1) \alpha = [2]$	(5) ->(A)	a=t1]	(10) h	= e 2	
(3) → [2]y _A	(3)	-> [1], yo			