

			-DFT actually yield
ai and aing	for $i \in \{0,, \frac{w}{2}\}$	-14.	
For line 13 we hav			
aeven + wi add	= fever (Wn) + W	i $f_{\text{add}}(w_h^{2i}) \stackrel{\text{(****)}}{=} f(u)$	$a_{h}^{i}$ ) $\stackrel{(*)}{=}$ $\hat{a}_{i}$ $\checkmark$
For line 14 we have			
		fold (Wh) = fever (V	$(v_{n_2}^i) - w_n^i + (w_{n_2}^i)$
	feven (wi.1) + w	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
		wn fold (wn 2 (1+ 1/2))	
	f (wn )		
(*) =	à i+ m2		
Therefore, lines,	13-14 yield who	at they should ti	efor, 1/2-1/ and thus the
correctness of the	algorithm is pri	oven.	