Verstärkung Freitag, 5. Februar 2021 17:33			
Vigella): the N: - 1 x 5 1 + 1		(W. 5+1), Ø, x5)	
Beneis duch stukture	lle Induktion liber xs & LC	t).	
1. Fall x5 = ni'L;			
Sei ne IN beliebij			
foldl (f, O,	(xs) = fold((f, 0, n))	()   xs = n; L	/
	= n	1 Det FoldL	
	= 0 + h	1 Arithmebilk	
	= (nil) +n	1 Det 1_1	
	= 1x5/fh	1 xs - ni2	
2. Fall XS= X::XV:			
	: then: fold ( F, **) = 1	1 10	
Sei ne NV be	liebry.		
Fold ( 4, 0,	$x_5$ ) = fold( (f, Ø, x ::xr	) / x5= x::xr	
	= Koldl ( E, E(x, O),		
Def /_ 1 1 nil 1 = 0	Ein nöglin		
/x; xv / =  xv   +1	$=  xr  + f(x_1n)$	Induktion fir x	
7	=  xr  + (n+1)	1 Oct /	
	=   Xr  + 1 + n	1 Mathe	
	- 1x::xr1+n	1 Det [ _ ]	
	$= 1 \times 51 + n$	XS = X:: XL	
	- 1771 + 1	13= 1.11	
Somit gilt n	i, L n=0 die geforden	te Aussage.	