Exequse 4

Proof by induction for n=1 it notes the amost n-1 zeroes)

where λ is an parmise distance for n=1 it notes the zero.

By induction hypothese assume for all functions for (1=N=n) to all accordance of 1-1 wook

Let fatt = Ecibai hot all ci's are zero

from WLOG led on to

Then $f_{n+1} = \underbrace{\underbrace{E}_{i=1}^{n+1} c_i b_{\lambda_i}}_{i=1} (1 + \underbrace{E}_{i=2}^{n+1} \frac{c_i}{c_i} \left(\underbrace{b_{\lambda_i}}_{b_{\lambda_i}} \right) = c_i b_{\lambda_i} (1 + f_{\lambda_i})$

Contrary to our hypothesis fn+1 has more than n work. Then (1 + f N) has more than n work. By Rove's theorem (1+fN)' = fN' has more than n-1 work which contradicts our induction hypothesis.

and In has almost n-1 roots.