N. Carlot	Proof. We will proceed by induction
	Basis Step: Let P(n) he the statement that (1+x) = 1+nx.
	Let x EZ + be arbitrary. We must show that P(1) is true:
	(1+x) > 1+1)x
	(+ k ≫  + k
	1+x =1+x
7, 1, 4	So (1+x) h ≥ (+nx when n=1.
	Industrie step: Let \$30 k, x + It be arbitary. Suppose
	(1+x) = 1+Kx = true We must show that
	(1+x) k+1 > 1+ (k+1)x. Observe the algebraic many ulthous on
	(1+ x)k > 1+ kx:
	(1+x)k > 1+kx
	$(1+x)^{k+1} > (1+kx)(1+x)$
	(1+x)k+1 > 1+x+kx+ kx2
1	(1+x)k+1 > 1+(k+1)x+kx2 ++(k+1)x+kx2>
	$\geqslant 1 + (k+1) \times 1 + (k+1) \times$
1	We have (1+x)k+1> 1+(k+1)x as desired.
	we have City
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1000	
and the	
(4)	
The state of the s	그는 사람들이 되는 사람들은 아이들은 사람들이 되었다면 하는데 하는데 사람들이 되었다면 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 아니라

