* 1 S	Moksha Shah bp4199
	1CIS :SIGN ATYAN Bhagat s15310 (Page No.: Date: 1
	Homewaylan
20710	Problem -1 -10 -10 -10 -10 -10 -10 -10 -10 -10
	Given, PCn) = 2° < ni with whore ny 4.
	that P(n) he the invagation
	Prove that pln) for all nyy.
-	Prove that base care be PL4) is true
and a	(2) 14 NOTON 9-1187 21 (14)19 - +246 2 1 21-1
	for n=4, P(4)= 24 < 41
	= 16 < 24 = 0 MITAME
	A = 110 2 4 F = Axgruete 210 (A) 9 bon
	- the film by the acompatibility as o'the
4	Industive Hundthoois
ANT IV	that PLANTER STATE OF THE COURT OF IT
	bet puritible for n= kun ment
The state of the s	
	:- P(K) = 2 < K! is tome = 5 1/1/11/12
oont c	Provertitor PUK-11) Cascumina -that industria
1111	Provertifor PCK-11) cassuming that inductive
	Pio
	[K+1]! = [K+1].K!
	Land Columbia Company
	from inductive hypothesis,
6811	111 K-K1 1K1 1K7 - KX2 + 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1
(1-12)	1- = 1) -1 4+1+ > -4+2 + 2
	21-1 (n d) grught be de shorthing in out in







