(29.) $n^2 + 7n + 12$ is non neg when $n \ge 3$ $p(n): n^2 - 7n + 12$ is nonnegative when $n \ge 3$.

Bush case: p(3) = 9 - 21 + 12 = 0, which is non-negative

Inductive P(K+1) = ((x+1)^2 -7(K+1)+12 = K2+2K+(-7K-7+12)
: (K2-7K+12) +(2K-4)

= (K2-7K+12)+2(K-3)

Since we know P(K) is true and that 2(K-3) 20 in ther K 2.3. THEN P(K) HOUD P(K+1) MUST BE INDUCTION.

J= 1,2,..., An and B, B21..., Bn are sets that A, CB, for j

COLOR MANAGEMENT STATES

BASE CASE P(1) A, & B, = 1, A; & 1, B;

Inductive. P(k) A, & B; for j=1,2,3.... K

K+1 W 6 2 8;

If some element X is XE J AND XE IN WE CAN ALSO ASSUME THAT XE D IS, WE KNOW THIS BECAUSE XE AKH AND AKHI & BEH. XE (UB;) UBKH IS B

BY INDUCTION P(n) is true for all positive into.