T: map from Roln] - Roln]. suppose >> Penj=on3+bn2+cn+d; as P(n) = R3[n]. Pin= (3 and + 2bn+c); P"(n)=(6an+2b) Sors Criven T(Penj) = -n(3and + 2bn+c) - 2nd. (6an +2b)  $= 3 - 39n^3 - 2bn^2 - cn - 120n^3 - 4bn^2$ T(Res)= (-15923-662-cn) To prove let. T(C,M, + C,M, ) = = -15-a-(41, tol2)3-6b(c,11,tol2)2-(61,+c212) => C1. (-15an, 3-6bn, 2-CM, ) + Car (-15 an2 - 6 bn2 - Cn2) The state of the s

(B)->