Allows you to construct regressions using non-stattlemony unitles if they have stationary linear combination - a cointegrated 1/ship. These relationships are often referred to as equilibrium 7/ships, Les Non-stationary (I(I)) variables might have a stationary (I(O))
linear combination. Specifically, variables ocky are
solid to be CI(d,b) if: : Each is integrated of orderd ii. They have at least one non-trivial linear combination that is integrated of obser (d-6), where  $d \ge 6 > 0$ . Cointegroution rules: 1. It x a x are ct(1,1) then so are x x x x for dry; 2. Up to a scalar, cointegrate variables share the same stock. Frenchs 3. Two I(1) variables can have at most I lin. ind. count. vector. Low In general, the cointegration rank (1) or number of I'nearly independent coint. vecs cannot exceed integrettion order 4. Sample sizes need to be relatively large otherwise of estimations of B cointegration vector will be biased For a bivariate system, solve so the dependent variable is Ex, the RHS is your error correction term. CDIT'S B is referred to as the special of adjustment coefficient. CoAtleast one must be different from zero Lo Given B, >0, Stability requires - 2<0, and 0,2 regressing one variable over another will produce white noise residuals

