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Ch card ay QED ctish, C not. IF F/F Think E as a v.s /F Codd nut via FSE) Tell he degree E/E devoted [E: E] is don't E For if Fife is finite ( finite degree) than it is exp. given dEE to ett (1,a,a2,...) mad be & indo. => 3 C; E >> C + A C, + .... x C = 0 is -> got pay in Flad eff let Q= ( be the all number), we have snow Q subfield of ( => Q/Q h+(Q:Q) = 00 So B/D is an alg even of so of inf degre. People Transitudy of dy) gian E/F, & E droved K => [K:F] = [K:E] [F:F] PE see motes but opins. Cor) spore K/F cost E is intermediate field (K/E, F/F)

27 (E:F)[K:F] (K:F] Cor) if [k:F] prime -> only inter feed k/E.