W12 Линейные реккуренты. Общий вид линейной реккуренты над произвольным полем (случай, когда характеристический многочлен раскладывается на линейные множители). Paun nour-mu ao, a, ... ai ElF Mn-60 manun nour-meri - F Myomb p=xs+ps-,xs-+--+p,x+p6 DB, Now-mb Qo,..., an - lun. p-ma c kap-u su-non p eau benno (1) ans + Ps-1 an+s-1 + -- + Pranz, + Poan =0, Poto P-bo (1) nøberren nogcrumens nxs-å rien noer-mu no snyeg. Int 1 Ryant Sp-Mn-60 reasymens & Man ru-u p. Torga Vp-un np-bo nag F u dim Up = degp= s D-60, 3-no omnoe Cromenus a grunsmenus na 2 Elf oreb-P. = (1. .. 0, -po, . -) C, = (01.-0,-p,,---) (-> Legru b Vp e_{s-1} = (0-1, -p_{s-1}, -) Nyme l-on-pueboro agbura 6 F l(ab ...) = (a, a2 - -) Ryani 4p=ll, ymbr, Vp-rgno p(l)

Ryano 6 EKerp(1) L=> p(1)(6)=0 L=> L=> (1 + ps-, 1 + --+ p, 1+po) (6,) = 0 2=3 L=>6n+s++ps-16n+s-1+-+p,6n+1+pobn=0 h-l, p(4p)=0, m.e.p-ann.un-u gur 4p Imb3, (omn un-ne gue Vp) Mup = p 2-60 p-ann que 4p=>p: my=m Ronamer, mo deg n=degp Typono deg je Sdeg j. Torga p-nos c m.m. p-p-mm (mm-m p => = 5 Up & Vm (m, k m (4p)=0 lvp) dim Vn = deg p = Vp !! 13 Del, Conymenbyrouse rannus que ? M-480 ADCMSXS (F) 9mby Ap 6 Lapuce (lo--ls,): Al = Ap

l(lo)=-120 ls-1; lle,)=(lo-P,S-1)

60 une - un Mar, Miz-s-1 = (-11 p(4) Parsonus no n. my cm-89! $\mathcal{L}_{AP}(x) = (-x)(-1)^{s-1}(x^{s-1}/p_{s-1}, x^{s-2}+-+p_{1})+$ + (-po) x = (-11) p(x) = (Th) (on Tho un. p-x) Rypont $p(x) \in |F(x)| p(x) = \frac{k}{2}(x-\lambda_i) - rn - n$ uneino grann Torpat ple-ma en e Vp legunembennesse och u npeg-ce bluge en = \(\frac{5}{5} \) cis \(\frac{5}{n} \) \(\chi \) \(\frac{7}{1} \) \(\frac{5}{1} \) \(\fr D-60, di omberaen Mongonaba Rymo coo. zn-10 snows 6, -- . 6e. rge nummi unglæ - bulons kom. 6-pa $\frac{1}{(l-\lambda_i)} \frac{1}{(l-\lambda_i)} \frac{1}{(l-\lambda_i)}$

bygen empoumb que aprime i nour-mo (P-) 1/6, = 0(1) (1-) B= BS-1 45 21 $6, 2d\lambda^n$ $\frac{1}{3}n=0$ $= (1, \lambda, \lambda, \dots -)$ - coolens 6-n yenorum $(l-\lambda I)b_1 - (\lambda \lambda^2 \lambda^3, -) - (\lambda \lambda^2, -) = 0$ Pyrmb 6s-1=2 9s-1(n)Maringer 65 = dfs(n/x)3 m.n. $6=\lambda$, mo f, (n)=n $(1-x_1)_{6s} = f_s(n+1)_{1}^{n+1} - \lambda f_s(n)_{1}^{n} = f_{s-1}(n/1)(2)$ 170, m. n. pot 0 $\int_{S} (h+1) - \int_{S} (n) = \frac{S_{S-1}(n)}{2}$ (3) (3) non 1=1 $g_s(n+1) = g_s(n) + g_{s-1}(n)$ $C_{n21} = 7 + 1 + 1$ Nerro bugens, mo fs (n) = cn Dowley W-e uzen pen-l (3) $(3)! C_{n+1} \lambda (S) S^{-1} \lambda (S) S^{-2} \lambda (S^{-1}) - 1$ 2(S)=2(S-1)-1=>2(2)--1/d(3)=~2 2151-1-9