[4] 81, fz, t3  $f_1 = (1, 2, 1)$   $f_2 = (1, 1, 2)$   $f_3 = (1, 2, 1)$   $f_4 = (0, 5, 1)$   $f_4 = (1, 2, 1)$ 18= E4# If1, fe, f3 f3=(1,1,0) (= E 47e, e, e, A= T-AT-1 C = C4 Je, e, e3 B = 7 1 C77 1 (010 1/2-1/21/2 001 3/2-1/2-1/2  $C = \begin{pmatrix} 266 \\ -3.65 \end{pmatrix} \quad B = \begin{pmatrix} -1.10 \\ -1.45 \\ -3.45 \end{pmatrix} \begin{pmatrix} 266 \\ -3.45 \\ -3.45 \\ -3.45 \end{pmatrix} \begin{pmatrix} -36 - 39 - 15 \\ 211 \\ -36 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 26 - 39 - 15 \\ 27 - 9 - 5 \\ 27$ B= (30 20 14 ) = [4 ] for first 1548 Rn = 4+4, Due gdegenne h, = h, " h,", incrancy reminule, yo L' i L' & migapounepasses & Ra. Divieno, Messan VX, y & L. magi gul aygo-rano v el, bucayensu (x+g, v)=(x,v)+(y,v)=, man es x me y granousioni h, tensulino, seys txche, 19 € 6, no que sygo-sero 0 = 0, 10, ge 0, € 6, 0; € he buconyerrous (X+y, o) = (X, o,)+ (y, v,) = 0, maxer x opmos Wantenin les, a y granoma unité L. Danne C. L. L'E aprente unces hi i hi. Rosanewo, up hi +ho = Kn.

Meanit of Ehm. Orcinally haz by the, no conge vi the Ve Clair = V7 + VZ. Magi + X ch, Buchyennes (x, 8) = (x, 2) + (x, 2) = 0 +0 =0, mak Il x grownene whim Ly. Anarosismo busonyemos god ty & h, "(y, v) = 0, my orly openoconausteus h. Danne, UEh, +h, => kn = h, +h Due golegeune now, up 4 to moergieto La ma La naparación La Ressigne polarami, up 1) 4 & when expansions the Ra 2) (p\*)? = 4 \*\* 3) In (4\*) = 4 4) Rer (4\*) = 4 1) 4 справения з оператороги ч на Сп э 4 тексон в orepermenous us he 2) & VERn: (4.4) (V) = 4(4.85). Ouristan 4 e onepampan npocomybanus kn Ha h, ugnamente h y po grant & E hn: pv ∈ h, i (v-pv) ∈ h, Alogi (p\* (40) = v, max 8x 44 € inpareerus 3 4, a granum (q.4) (et) = 4(q.v) = V. => 4-4-4. 3) Due & VER, buconyenne 4 (v) & h, secilore 4 & Capaniemung & la cui apelangt beaugu ne la naparente les. ₩ DERn: V= 8, + V, ge V, Eh, Uz= 62 Vy & h, bucony truck (4, 4°(v))=(4(y), 8)=(4(y), v1)+(4(y), v2)=(y, 4\*(12)

де им використым дринованьнейть 4(у) і ба, а таконим elle 4(y) & h, 3bigu 4\*(v) denumb & growing gondremu Littere un reguarann ex he-4) Y V E Rn: 4x(2) = 0 25 v reasums l'approximationery gondrienni Per (4), oce un regnarum en L. Liano, eleng 4 (2) 20 mogell & X Eh, buchysmus (x, 4(v)) = (4(x), v) = 0, max ex 4(x) desume 6 h, Marine, o opmorphamen h, i menume 6 4. Osepheno excess o menumes bh, no get tx 6 hs buconyemes (x, v)=0 => (4(x), v)=0. Max da V bermen 3 Ra donne npegematicmes y buruegi cyclu beamagió g hat he gligter bunubat, up 4 (v) =0. anne, 4\* & noexgitto Ra Ha na La napallitto Li. 1556, f = 2x, y, 13x, y, 1x, y, 12x, y, 1x, y, 1x, y, 1x, y, 1 4 X 43 + X3 42 N= (2 2 1)  $(X, y) = (X_1, X_2, X_3) \begin{pmatrix} 2 & 2 & 7 \\ 2 & 3 & 1 \end{pmatrix} \begin{pmatrix} y_1 \\ y_2 \end{pmatrix}$ (UIAT) ~ (E) 2"AT) A = 47 4 2 2 1 -3 2 1 1 1 -1

$A_{1} = \begin{pmatrix} 2 & 0 & 1 \\ -1 & -2 & 1 \\ 0 & 3 & 3 \end{pmatrix} \begin{pmatrix} 2 & 2 & 1 \\ 2 & 3 & 1 \\ 1 & 1 & 1 \end{pmatrix} = \begin{pmatrix} 5 & 5 & 3 \\ -5 & -4 & -2 \\ 3 & 6 & 0 \end{pmatrix}$
1558. $u = \begin{pmatrix} 2 & -1 & 0 \\ -1 & 2 & -1 \end{pmatrix}, A = \begin{pmatrix} 1 & 2 & -3 \\ 2 & -5 & 1 \end{pmatrix}$
$A^{\frac{7}{2}} \begin{pmatrix} 123 \\ 2-32 \\ -31-1 \end{pmatrix}$
$     \begin{pmatrix}       400 & 0 & 9 \\       0 & 1 & -1 & -25 \\       0 & 0 & 1 & -9 & -19     \end{pmatrix} $
$A_{1} = \begin{pmatrix} 009 \\ -1-25 \\ -4-14 \end{pmatrix} \begin{pmatrix} 2-10 \\ -1&2-1 \\ 0&-1 \end{pmatrix} = \begin{pmatrix} 0-44 \\ 0&-84 \\ -4&25 \end{pmatrix}$