1483. 
$$A = \begin{pmatrix} 15 - 11 & 8 \\ 20 - 15 & 8 \end{pmatrix}$$
 $f_1 = 2e_1 + 3e_2 + e_3$ 
 $f_2 = 3e_1 + 4e_2 + e_3$ 
 $f_3 = e_1 + 2e_2 + 2e_3$ 
 $B = T^- AT$ ,  $ge T - 14.14.14.14.16$ 
 $f_1 = 2e_1 + 2e_2 + 2e_3$ 
 $f_2 = 2e_1 + 2e_2 + 2e_3$ 
 $f_3 = 2e_1 + 2e_2 + 2e_3$ 
 $f_4 = \begin{pmatrix} 2 & 3 & 1 \\ 3 & 4 & 2 \end{pmatrix}$ 
 $f_5 = 4e_1 + 2e_2 + 2e_3$ 
 $f_7 = \begin{pmatrix} 2 & 3 & 1 \\ 3 & 4 & 2 \end{pmatrix}$ 
 $f_7 = \begin{pmatrix} 1 & 1 & 2 & 2 & 2 & 4 \\ 2 & 3 & 1 & 15 & -14 & 5 \\ 3 & 4 & 2 & 2 & -15 & 8 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 2 & 2 & 2 & 6 \\ 0 & 1 & -3 & -1 & 3 & -2 \\ 1 & 1 & 2 & 8 & -3 & 6 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 2 & 2 & 2 & 6 \\ 0 & 1 & -4 & -46 & -40 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 2 & 2 & 2 & 6 \\ 0 & 1 & 3 & -3 & 3 \end{pmatrix}$ 
 $f_7 = \begin{pmatrix} 1 & 1 & 2 & 2 & -10 \\ 0 & 1 & 3 & -3 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 2 & 2 & -16 \\ 0 & 1 & 3 & -3 & 3 \end{pmatrix}$ 
 $f_7 = \begin{pmatrix} 1 & 1 & 2 & 2 & -16 \\ 0 & 1 & 3 & -3 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 2 & 2 & -16 \\ 0 & 1 & 3 & -3 & 3 \end{pmatrix}$ 
 $f_7 = \begin{pmatrix} 1 & 1 & 2 & 4 & 2 & 31 \\ 4 & -3 & -2 & 2 & -16 \\ 1 & -1 & 1 & 1 & 12 \end{pmatrix} = \begin{pmatrix} 2e_1 & 2e_2 & -16 \\ 0 & 2e_2 & -16 \\ 0 & 2e_3 & -16 \end{pmatrix}$ 

1486. Togsuska ao in reprembopenne ogranistres o pomy Ale representation becomes x of becomes 4x 4(x) = xx, ge x-garce runto Leolegius, my et y : 4(x+y) = 4(x+4/9) d(x = y) = 2x + 2y Maxim runous, win repembapeune 4(x) west burley 4(x) = Lx que sygo-uno becompa. 1458. 4, V. in. rep.  $A_1 = (-3, 7)$  A = (2-1)az = (1,-2) 6, = (6,-9) B= (13) Bz = (.5, 6) E = (-D = [4] . [4]. C= [4] = TAT, ge T-u, np. a > e ( 3-2 / 07 ) 2 ( 1-3 ) -3 0) 2 ( 1-3 ) -30) 2 ( 01 ) 20) C= (-10) · (30) = (-10) D=EV3=T-BT (56 101) 2 (61 165) DE (193 -722) C. D= ( -184 - 105)

1461, 15 (f+g) - h = f+(g+h) f+g=g+f 2) frangetti (frg)+h=ff1g+h) 3) f+0=f 4) + (-+)=0 1) Plexant fig - win. nep. n-busiques recompy, & 3 - gobinul ruhla Magi (f+g)(x) = f(x)-19(x) i (g+f)(x) = g(x)+f(x) Desirben gegabanne gr-gin Duymanufue, Katello ( 1-19) (a) = g(e) + f(a) => 7+ g=g+f= E) Resait , f, g i h-wh. nep. n-buniques repouragy, d-golisione rune Magi ((f+g)+h) 6()=(f+g)ea)+h(d)=(f(a)+ga))+hai ( + + (g+h))(x) = f(x) + (g+h)(x) = f(x) = (g(x) + h(x)) Christian gogabenne Encert i grynagin aconjegennber, Metallo ((f+g) + h) (d) = f (d) + (g(d) + k (d)) => = (++9)+h=++(9+h)= 3) Rue gobilluno f-uiu nep. ma 2 - sulle suille (f+0)(x)=f(x)+0(x)=f(x) (0+ f) (K) = O(L)+ f(L) = f (K) =>) f+0=f=

9) Lucy appointance fourier, nego, per & - Ellite deserte (f-f)(x)=(f+(-f))(x)=0(x) =) f-f=00 Marien runou, Min. nep, n-busicpness mormony утворногом вестерний простір. Zomipuieme your nounepy gopiluse a max In Lone win. nen Morne dyani megamebulul Manguyero nxn i bu mountube marquyi in my ymbaprosomo prouning populinami a