07.02.19 V * := Hom (V : F) V * Matixn (F) $\alpha \mapsto (\alpha_i, \alpha_n), \alpha_i = \lambda(e_i)$ V= x1e, 4. . + xnen => L(V) = (a1 ... an) [-1] dim V = dimV=n => V => V* Vi=1... n pocarompun E; EV * coomb, compone (0...016..0) Maga (Es. En) - Sarue B V* On ogranous onregeremon ywolven E; (E;) = = 8ij - (7 (3) (x) On. Trajue (E. ... En) onpageression yerobien (*) suzorbuenca glavanbenouna & Seguey @ Igorna zamice yeroBua (*) (E.) (e. .. en) = E

Thegromenne: Braxim Logue yo- Bo V gloomberen Kansey no Jaguery ny Ber V Tyme (En. En) - gament vezue BV, Bozonien Kanon - Hurrige Lazur e'= (e' ... e'n) & V. Tyens (E1. En) Sague BV * glovemberuvir e' Thorga our Bezaren recompressão repesoya. Taronum @ = (e, ... en) = (e, ... en). (Thoryen $\begin{pmatrix} \mathcal{E}_1 \\ \cdots \end{pmatrix} \begin{pmatrix} \mathcal{$ Trysu. gok - me ususeryuso.

Durenennone V - Beven, Mrs. Bo May F Ong: Europeration geopeyor nazolasena beena onog 1) B(a+B,c) = B(a,c) + B(B,c) 2) B(xx,y) = 1 B(x,y) Typurena (7) V = F, $x = \begin{pmatrix} x_1 \\ -1 \end{pmatrix}$, $y = \begin{pmatrix} y_1 \\ y_2 \end{pmatrix} = 0$ B(x,y)= x1y1 + + xnyn = (x1. xy (-1) = x7y $2) V = F^2 B(x, y) = \begin{bmatrix} x_1 & y_1 \\ x_2 & y_2 \end{bmatrix}$ 3) V= ([a, B] B/+, g) = S+(x)-g(x) dx

Dave crunaen dim V = n < 00 Boopersenjegen Jazur e=(e1. en) On: Mampunga B= (6;), 2ge B; = B(e; e), regordences vampunen 5. op. B dazua C Orani B(Be) Typurgion: (3) B (B, e)=E 2) e= (e, e2) ×1 y2 - ×2 y1 B(B, e)=(01) X = X1 P1 + ... + Xn Pn y = ya e, + ... + yn en B(x,y)= B(\(\xi\);e,+\(\xi\);e,) = \(\xi\);B(\(\xi\);\\ $= \sum \left\{ x_i \, \mathcal{B}_{ij} \, y_j = (x_1 \, ... \, x_n) \, \mathcal{B} \left(\frac{y_1}{y_n} \right) \right\}$ B(x,y)=(x1...xn)B(y1) - grop - en Borrecaren zwar S.g. B roong.

They! 1) Tranca Summention apopul ognostrono omegeraemer cover vanninger 6 James @ 2) YBEMA(F) 3! D.g. m., T. B(B, e) = B. 2) Egypungerenoum cregyem iz 1). Cyngenbobarus: BEMn. Bagagur B groneyron (#) Thongs B Surveises (yay) B(ei, e;) = (0.010.0) B (= 6; (**) (e, en) = e (ei. . en) = e) e'=e.C, B=B(B,e), B'=B(B,e')They. B'= CTB.C X = XIE I .. + Xn en = xie + ... + .. Xn en $B(x,y) = (x_1...x_n)B(y_n) = (x_1'...x_n')C^7.B.C(y_n')$ (xi. x,')B(y') => B'= (T.B.c no (* *)

Cregembre: ck B (B, E) re zabacum om Bertopa mempunger Tucco kazabaenta parron Suinversion cogum. Ong Summen seas ground B reazonbuemos cumenjurenoù een B(x, y) = B(y, x) Typecyl. e - Sozue, Plorga Bown => B(B, e) cure. (co B = B(13,e) (=) B;;= B(e; e;)= B; (=) X = X1 Q + .. 4 Xn Q y = yalat ... + ynen $B(y,x)=(y_1,y_n)B(x_n)=(y_1,y_n)B(x_n)=$ $= (x_1 ... x_n) B^7 \left(\frac{y_1}{y_n} \right) = (x_1 ... x_n) B \left(\frac{y_1}{y_n} \right) + B(x, y)$ Ong. Baggammunon geoprior na V nazorbalma Beare Omoton. Q: V > F gur reomoporo 7 8 gr. /3 n. z. Dozni. C2 = C2B., upu man O reazol. Bugu. cp acronary Berryrou (S. gs B

$$e = (e ... e_{A})$$
, $B = B(B, e)$, $X = x_{A}e_{A} + ... + x_{A}e_{A}$;
 $Q_{B}(x) = (x_{A}...x_{A})B(\frac{x_{A}}{x_{A}}) = \sum \sum x_{A}e_{A}$; $x_{A} = ... + x_{A}e_{A}$;
 $= \sum e_{A}e_{A}x_{A}^{2} + \sum e_{A}e_{A}$; $x_{A} = \sum e_{A}e_{A}e_{A}$; $x_{A} = \sum e_{A}e_{A}e_{A}$; $x_{A} = \sum e_{A}e_{A}$;