Ungexcu ungryum no grannu & gliums um. un- be. 3- n unenum V-um m-60 norg 1R Obs Kb gp-2 g cx1 ne v neg-ae nacomumecono (ompuy.)
onp-ir, ease $\forall x x \neq 0 \ \ g(x) > 0 \ (g(x) < 0)$ old, Kl gp-a q na V naj-ce nouem (omn) naugenn, Cam YXEV Cog(X130 (g(X1E0) Ryeme 9,- xb 9p- 2 b kanon dapuce & 2

9 (x1= {1 + {2 + . - + {p - {p+1 - ... - {p+q , p+q = rk q}}}}, p+q=rk q Dels Torga p-nouom ungene unergung b Lapre E (TL) (3-1 unengun 61R) Rycomo q-ub qp-e b v nag 1R, dim V=n E-kanon J-c puq-un. unensun alp=man dimulusv, glu-nou onn?

51 q= man dimulusv, glu-onn onn? 6/ Ung-en Mapason, un-un ne jabuern om bridge E a) B & uneun g(x1= \(\frac{1}{4} \cdots \cdots + \frac{1}{4} \cdots - \frac{1}{4} \cdots - \cdots - \cdots - \frac{1}{4} \cdots - \ Uo= Le1... ep > Wo= Lepri... en > dim lo = p dim wo = n-p. Rysma K= man d dim, u lus W u q lu nou om 3 Pyrmb K > 12. 33 Ju: 9/4 nou onp u K= dim 4 > p dim(unvo)=dimut + dimuo -dimlut wo)= = K+n-p-olim(u+wo) 2 K+n-p-n 2 K-p 21 no 902/50 ?!

blanacommo blanealu di B

Cu-e, 13 & 17 n UR) nac on me c-3
navigemen neb A & Mn (IR):73 = A T. A

D-60,

Engent Bracomp => $\exists k \in \mathfrak{g}$, \mathfrak{g}

B=A^T. A, A neb. $B^T = (A^TA)^T = A^T \cdot A = B = S \quad B$ -cure.

Ryeng Q - kb qp - k r - ybi B.

Ryens $S = A^{-1} - neperog \quad k \quad S - cy$ $S = S^T BS = (A^{-1})^T A^T \cdot A \cdot A^{-1} = E$