V-ETI; PE(10-(V) $\forall u, v \in V$ $(\ell(u), \ell(v)) = (u, v) - \ell - 00$ # VEV (4(V), 4(V))=(V, V) (=> 1/7(V)/1=1/V/1 7-00 = may ony e DM => DH6->046 4-00-1 CC ca =1; Vx; -{ v ∈ V | P(v)=1 v / $V_1 \perp V_{-1}$ 4.00; U-4. with. 175 gry. => U - comp e 4-und 4/4,4/4 - DD

g:
$$\frac{1}{2} \frac{1}{2} \frac$$

(1) + (2)
$$(a^{2}+b^{2}-1)(||g||^{2}+||g||^{2})=0$$

 $=(a^{2}+b^{2}-1=0)$ $=(a^{2}+b^{2}-1=0)$ $=(a^{2}+b^{2}=1)$ $=(a^{2}+b^{2}=1)$ $=(a^{2}-b^{2})(|g|,g_{1})=(|g|,g_{2})$
(1) - (2) $(g_{1},g_{1})-(g_{1},g_{2})=(|g|,g_{2})$ $=(g_{1},g_{2})$ $=(g_{1},g_{2})$

$$(g_1g_1) - (g_1g_2)$$
, (g_1g_2) com perm has xona. cone.
 $|(a^2-b^2-1) \times , -4ab \times 2 = 0$
 $|(a^$

5.0.0. 1/g/1-1/g/1-1 -> g1,g2 - DH may m Yell(g, h) e(g, h) g_1, a_2 $e(a_b)$ e(g, h) e(g, h)D-Co m T. way no der V U = C(y) um U = C(g, gr); dem U = n-1, n-2 open. I lut was may, or uccome ling!, 4/4-cass

Som n=1, n=2 (10), (-10), (10) $(\cos k - 8mk)$ (31), (3-1), (3-1), (8mk) $(\cos k)$ (3-1), ((AEIR -))= I1; AEC/IR -))=0 +ib, a +b=1) $\frac{G_{1}}{D_{i}} = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \left(\frac{1}{2} \left(\frac$

V-ETT Cumerpuren otteposty (CO) Dip 1/ 4 EHám V (ETI) e CD, orco $\forall u, v \in V$ $(\gamma(u), V) = (u, \gamma(v))$ 2) AEMn (IR) e auvrespuran verspurger (CMI), ora $A^{E} = A \left(\forall i, j \quad \alpha_{ij} = \alpha_{ji} \right)$ Ce-en 11 / A EMn(IR) / Ht = A / L Mn(IR) (HAB-COM L H) MEIR = 1 AA+ MBe CM/ 21 A-CM n A-ospanna (FA-1/=1A-1 e CM

$$(AA^{-1} = E \quad (Els (A^{-1})^{t} A^{t} = E \rightarrow (A^{t})^{-1} = (A^{-1})^{t}$$

$$Acco A^{t} = A \rightarrow A^{-1}$$
3) (3uS.) $A, B = CO4 \quad (AB = BA \leftarrow AB - CO4)$

$$((AB)^{t} = B^{t} A^{t} = BA = AB)$$

$$((AB)^{t} = B^{t} A^{t} = BA = AB)$$

$$((AB)^{t} = B^{t} A^{t} = BA = AB)$$

$$((AB)^{t} = B^{t} A^{t} = B^{t} A^{t} = B^{t} A^{t} = A^{t} A^{t$$

T6. 9- - DH5; 9-How, A= Me(4). Toula le CD (es A-CM D-Co (=) = 5/ (= 1 A - ann. =) tij (4(ei), ej)=(ei, e(ej)) Anornor, Kersero ign DD, Hu, VEV (4(4), V) = (4, 4 (V)) The XK no CM co person En HXK tou CD e CC (peuno incho)

De do-XK ku CM A - Slet (A-15E)=0

(EC; XITe c promu (coep.)

s) xonor cuch. c may, A-15E use una leengulo
fem. (r(A-1,E/2n, <n-1 - co. Ha A-1,0E-13>1K) Heren (3,-3n) + (0, , 0) pen. (SiEC, NoEC) ans, + ans, + - + ans, = dos, 1.]. 6213, + 52232+ - - + 02n 3n = 1032 | 32 + 12n131+ an232+ - - + ann3n = 203n | 3n

$$\frac{7}{2} = \frac{7}{3} = \frac{3}{3} = \frac{7}{3} = \frac{7$$

T6 4. CO; 4(4)= /4, 4(V)=MV; 7 7 m, U+0, V+0 (4, V-CB coust. In + CC). Torder u LV D-Go (4(u), U/= (u,4(U/) 2(u,v) = (\u,v) = (u, uv) = \u(a,v) ()-m/(u,v/=0 -)(a,v/=0

Durston Tegenaro CO: pera 1 e (06 ETT V. Took & OHG, BKOTO may, 100 4 e grororonn (=> JOH 5 5 codestern 6-pm) Cn. Baran CM 2 stopoolen na grazona Pu JOMU: A=UDUt Jus. HDM A-Jigues or or or on Du sport. U. A=UAUE DCoCm. A -> PAEHOM (RM) - CO; J-Im-DHG a CB CM eyg mm, PA eg U'AU

The. 4-60; g-CB cost. 100 CC A. Torolla $V = e(g) \oplus (e(g))^{\perp}$ e(g) u (e(g)) ca e- unb. D-Go Tp. go gox. cops, re (e(g)) e e-ane. Creger = 20 U=e(g) TC 4-co; u-4-unb. => U - cops e e-ane. 2-60 VEUX => HUEU (U,V)=0

$$u \in U \quad (u, \varphi(v)) = (e(u), v) = 0 = 9 + (v) + (u)$$

$$\frac{\partial}{\partial v} = 0 \quad \text{for } 0 \quad \text{for } v$$

$$h = 1 - 2 \quad \text{cm}$$

$$\text{Here } t \in e \quad \text{Copms} \quad \text{for } n \cdot u \neq 20 \text{ prc. } 30 \text{ n+1}$$

$$\frac{3vS}{3vS} \cdot \varphi - CO; u - \varphi - u - v - \varphi |_{u} - CO$$

$$\varphi - CO \rightarrow \int_{v} (-2v) - (-$$

-5 gr, -2- OHG hu (e(g)) = a- CB, 8. e $(g_i) = \lambda_i g_i$ 3 = i = 2, n + 1COB (la,) + (4-vn-l.) =) (q:) = di di 30 i = 2001/ => + i=1_h+1 Y/fi/= \intilin July 21- min, -046 of 613 1/21/=1, 4i=3-n+1 21 gi