ong II-4. D(9, 1 D(92) = D(9,92) nodvendig (DQ192))T = (DQ110Q1))T = DQ1 DQ11) Derla en Dai Do en a repr. af G huis des exprisheres 9,19,00: D(9,1 D(9,2) \(\dagger) \) 9, ~92 = 9, ~92: 9, = f92f =) 9? = (f92f -) (fg.f-1) = f92f ong 3 Den definerende repri ((2x2) matrica) si quet P. 125 (18) . D(3) 2. reel, så da le 2 D*(91=D(9) og de le reel (S=Î bon (ruger, så de si Dos pseudo-reil)

ong II.4 (ong 3 Partal). Men etjeb 12 7(4/9=)=1 , r=2 2021 or grovel (19) p.1217. 712 (I) - 2, X2 (-I) = -2, rester 0. D, ± § I, R, R², R, rR, rR, rR³ 3 rR=R+1, +=I, R4=I. $T^{2} = T$ $R^{2} = -T$ $R^{2} = -T$ $R^{2} = -T$ $R^{2} = -T$ $V_{3} = I \qquad V_{3} = I \qquad d_{2} = I$ 7 X (821 = 6.7 (I) + 2 X (I) = 8 = NO47

0119 TI - 4 - ons4 Ay: Karakter-tabeller bor Ay: (15) p. 121. X31(a60)=0 [=[, [(ab)(cd)]((ab)(cd)]=(ab)2(cd)2=[] (abc)2 = (ascb), Au = 2I, (ab 1/cd), (abc) } Z X (92) = 4.3 = 12 = NA, 1. Karakker tabel by Sy: (17) p. 125 X (I 1= 3, X (B) (Cab) (Cd) = -1, X (Cabel) = 0 X(3) ((ab)) = 1 / X(3) (13 (abod)) = -1 I2=1, (ab) acd 1/2= I (abc)2=(abc) (ab)2 = I (abcd)2 = (ac)(bd)

Ong II. 4 ong 5 Fortsat 54 T, (ab(cd), (ab) (abcd) 1 3 8 6 6 Σχ (3²) = (1+3+6) χ(I) + 6 χ(abc) + 6 χ(= 30 + 0 - 6 = 24 = W(S4) Ogig 6 Narakter tabel V. \$128 (2) 7(21(I) +2 | Xe2(C-1) = -2, rester 0. $|^{2}=1$, $|^{2}=1$, $|^{2}=1$; $|^{2}=-1$; $|^{2}=-1$, $|^{2}=-1$, $|^{2}=-1$, $|^{2}=-1$ \(\frac{7}{9^2}\) = 2+2 + 6. (-2) = -8 = -N(Q)

Jave I.3. ong 3 lartsat. Dx =- II / Oy =- II Ret 1= (100) Ry(-t)= (001) Q (172 (172) = (0 0 - 1) Rg(4) Rx(1)-H-13-9

B (+17-x)

B (+17-x)

B (+17-x) B (F) X A (F) Y A Note ROL= et 0x dx: rotation of body +0x

*Recall: Tax t=x+a (DCa) f(x) = f(tax) = f(x-a)

