Epi het B= 9 \(\bar{b}_1, \bar{b}_2\) and C= 3\(\bar{c}_1, \bar{c}_2\) be baser for a vector space V, and suppose \(\bar{b}_2 - \bar{c}_1 + 4\bar{c}_2\) and \(\bar{b}_2 - 5\bar{c}_1 - 3\bar{c}_2\).

Find the charge-of-coordinates matrix from B to C.

[6, Je, [4], [6, Je, [-3]

P=[-15]

Find hit Je for p:56,+362.

す。5克十百十分十多(5年-3分)

So (PE-[11].

[-1 5] (5) [N].

Ep: let b' Ed, cls, cls oul F. Ef, fo, fo) be boss for a vector space V, and suppose J: Id, -dy toly Fi 3elstels, aul Fz -3cl, +2clz. Find the charge-of-coordinates matrix from F to B. [京了。[刊, []] [] D-F () 3 0 -5 () 3 0 Fine CpJ, Sor p25, -25, +253. 10.8-25 +25. 22, -chtch -2 (3d) +ch) +2 (-3d, +2e) 2-4dj-7dg+3dg So (\$\forall_3' \bigg| \frac{7}{3} \rightarrow \bigg| \frac{80}{13} \frac{3}{13} \limits \frac{7}{3} \limi

éle: Let B' { 5, 6, 6 } au C2 { 9, 6 } be bases for 12. First the change of coordinates metry from 1840 C and the charge-of-coordinates matrix from C+0 B. 南·(8], あ·(5], 百·(4), 云·(1) C = B = [1 1 -1 1] ~ [0-3 12-9] 01-43 N 103-81 $\begin{array}{cccc}
P & \begin{bmatrix} 3 & -2 \\ -4 & 3 \end{bmatrix}
\end{array}$

BECEB (43).

Ep: Let B= { b, by Soul C ? { G, G} be bases for M. And the charge of coordinates metrix from B to C and the charge-of-coordinates meeting from CKO B. bi (-1), by (-1), q (1), by (2) P. [4577]~[4574] CEB. [12-2-1]~[4574] 2 (01-5-2) N (01-5-2) er-B = (-5-2) P P 2 [2 3].
BEC CF 2 [5-8].

Ep: In B, Stul the charge-of-coordinates matrix from the brest B. 21-36, 2+6-56, 1+26 to the standard bests. Then write the a linear combination of the palynomials in B.

Le C. 31, 5, 63.

hel jozed. Har (FTz Satisfies & (FTz (F)z (D).

So [0 1 8 | 0] ~ [0 0 0 | 3] aut [] 3 [-2].

Thus 62.3(1-360)-2(2+6-540)+(1+26).