Probleme 1,=(1,2,1,1), 1/2=(1,0,1,2),1/3=(0,1,1,-1) a) V, V2, 45 SLi b) V=13,2,1,6), V exty, 142,43}? Darca aportine, sã gasim coord.

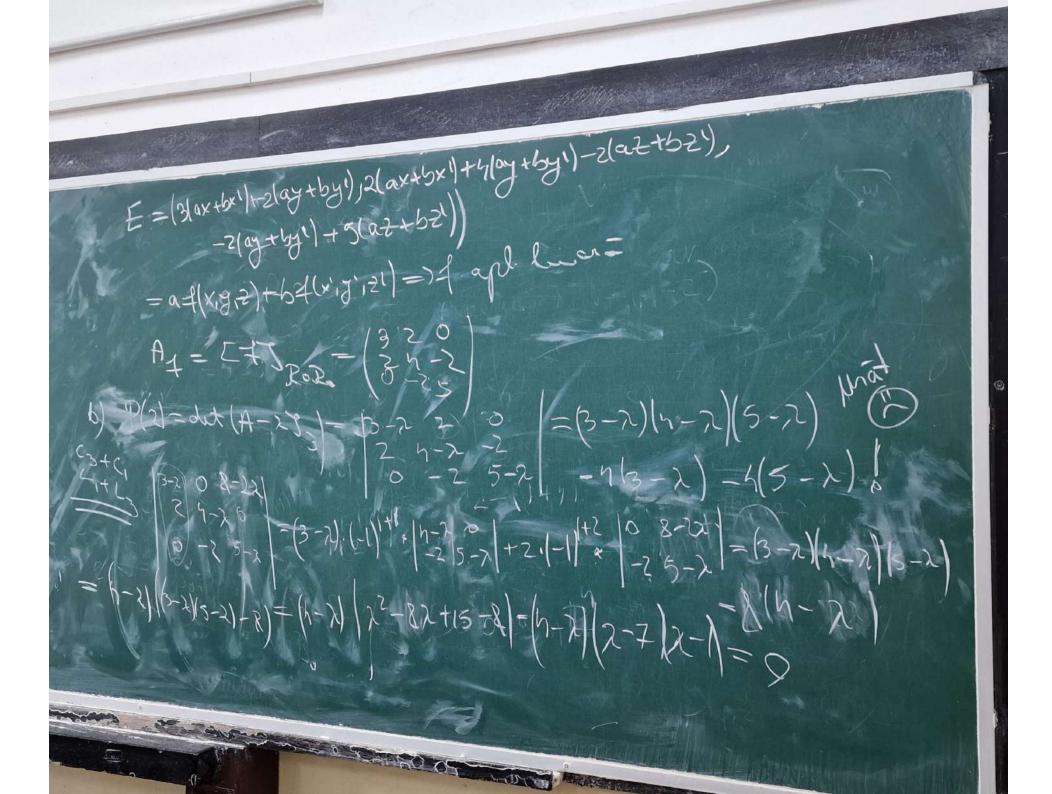
C) 1/0-2 a r 340,41,42,43 } bata in Ph = 3 maxim =) {Villy 15} SI

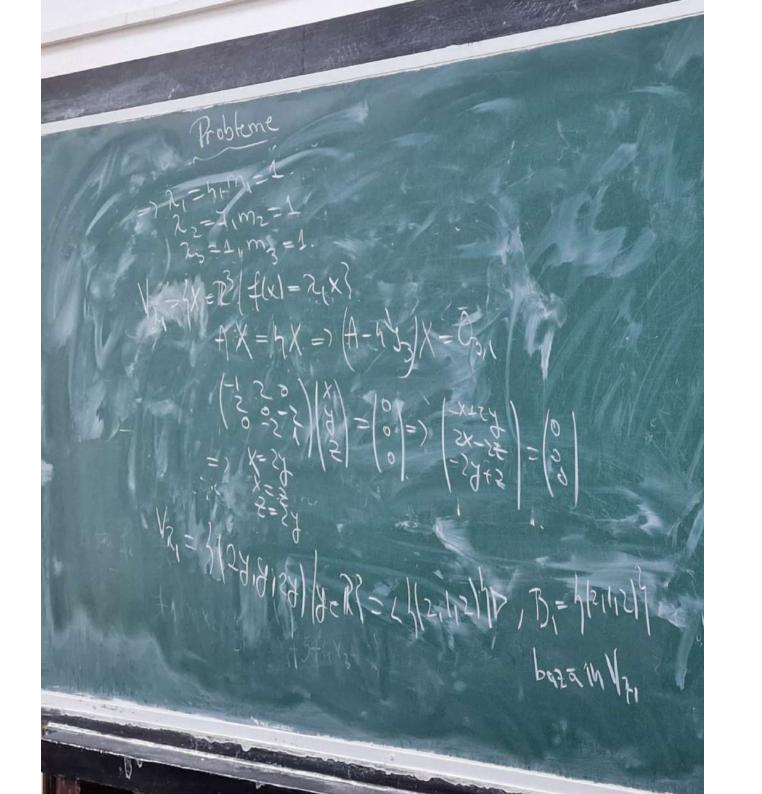
Rogula Daca A & Mmin (TR) ng A < min(mn) (3,2,1,6)= a(1,2,1,1)+b(1,0,1,2)+c(0,1,1,-1) (3,2,116)=(a+6)2a+c, a+6+(,a+26-c)

Probleme 111/2 = 120 = Apr = Apr

10a+b=3 plate=2 gath+c=1 marzb-c=6 0,3=> C=1-3 => V are coord (2,1-2) (= 0) Novid (B) => 2+2-(-5) =6 =-2+2-(1+1)=-5 +0=)7/110 Bo= {10,14,13} SLI => 30 betath P ding The - h= cond By

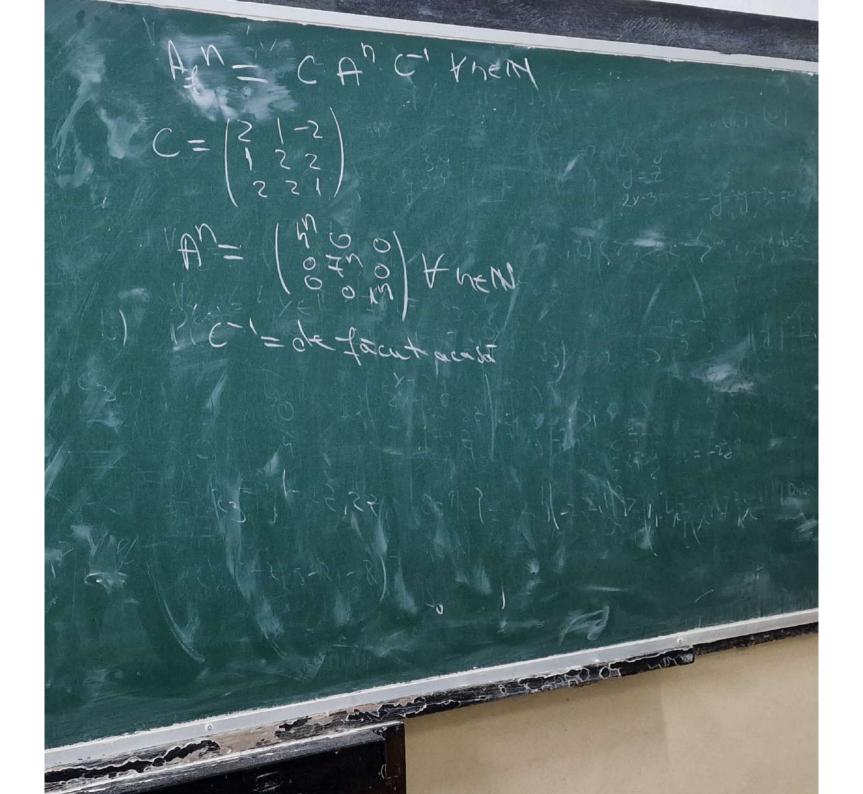
Probleme (2) of 12 >723, f(x)y, 2) = (3x+2y, 2x+4y-22, -2y-52) / y & ? a) Fapl burara At = 577
Ropo by Endom Rism diagonalistic 4 aplication () = athritis/ + bt(x, 13, 15) = -



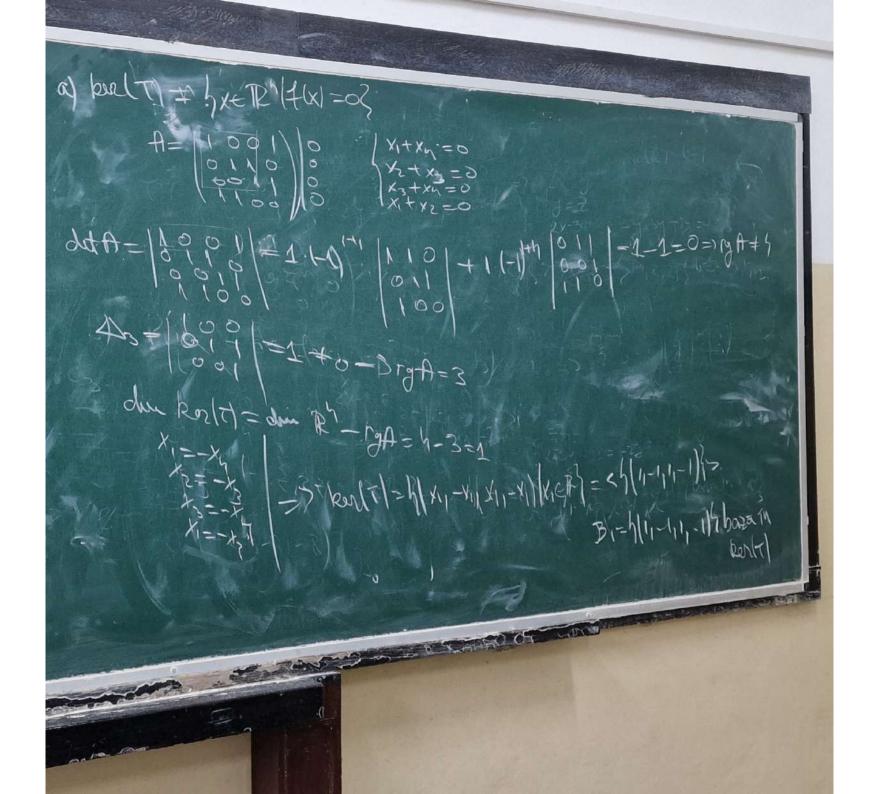


(-1x+2) = (0) => 2x=7. 2x-3y-22= y-3y-2y=0 2x-3y-22= y-3y-2y=0 1/2=1/(x/2x/2x)/x=1R3=</(1/2/2)/7/3e=>(1/2/2)/ beta in/22 TES = YXERS (TH = XX) $\frac{1}{3} = \frac{1}{3} = \frac{1}$ 4-1-2,2,1132, B=-11-2,2,119 bota in V73

Probleme B=B(UB2 UB3={(21112), 11,212), (-2,21)} baza m cas



Probleme The TR's Proplicative a cumatricea a) ker(T) |m|T|, basa pt ker(T)
b) m=(2) \in |m(T) TEMA e) val proper ale lui T, vest properi consequentori val properi EMA e) val proposione val va lappe intrain pe Mathings
introducin Cf Jear Ejgenvalues
Ejgenvectors



- Ph = doin bis (T) + dim (m (T) => dim (m(T) = h-1-3 Probleme Im(T) = hyeR' | 3x6Rh, = (x)= g? 1110 g3 = 0 => 1(-1/41 | 1/22 | + . y. L.) | 1001 | = サルナタラーターターイーの一つニンタニーではまかり

1.17. |m(て)=分(ダリラナダまちかりろうりりははろろりれを見る (y,-y,0,0)+(0,ys,ys,0)+(0,d,0,yd) [m(T)= D) MR & Im/ T/60 Darbic ettar ·(112/-113) = a11/-1/0/0/4/0/11/0/1/ -a+b+2=2+(-1)+3=1+2=> \$ 56/4/2) m+/m/1