KEP 4 - OPISOUSES DIODOS Even A = (ab). Hopisova ros. A

appearishan pe det(A) is laling of

ran opiseran us a nobornea det(A) = ud - bc Yntroquim: Ar A= (ab) eiven artiophym TOTE  $A^{-1} = \frac{1}{\det A} \begin{pmatrix} d + b \\ -c & \alpha \end{pmatrix}$ 2 Opionies Eow  $A = \begin{pmatrix} a_{11} & a_{12} & ... & a_{13} \\ a_{21} & a_{22} & ... & a_{24} \\ a_{n1} & a_{n2} & ... & a_{4n} \end{pmatrix}$ Eival nxn ITWaxas => EAUGOURA OPISOUGA Los a ! I sinar u obilones con ujaka un con y sur! =) Myrebpiro oupotis C-1)i + 7 Miz

2048 PISFECTI HE CIT

\* Tapadegra 
$$A = \begin{pmatrix} 3 & 1 & -4 \\ 2 & 5 & 6 \\ 1 & 4 & 8 \end{pmatrix}$$

HIII =  $\begin{vmatrix} 3 & 1 & 4 \\ 2 & 5 & 6 \\ 1 & 4 & 8 \end{vmatrix}$ 

P  $C_{1,1} = \begin{pmatrix} -1 \end{pmatrix}^{1+1} M_{11} = \begin{pmatrix} -1 \end{pmatrix}^{2} \cdot 16 = 16$ 

M321 =  $\begin{vmatrix} 3 & 1 & 4 \\ 2 & 5 & 6 \end{vmatrix} = 3 \cdot 4 = 3 \cdot 6 \cdot 2(-4) = 26$ 

D  $C_{3,2} = \begin{pmatrix} -1 \end{pmatrix}^{3+2} M_{3,2} = \begin{pmatrix} -1 \end{pmatrix}^{5} 26 = -26$ 

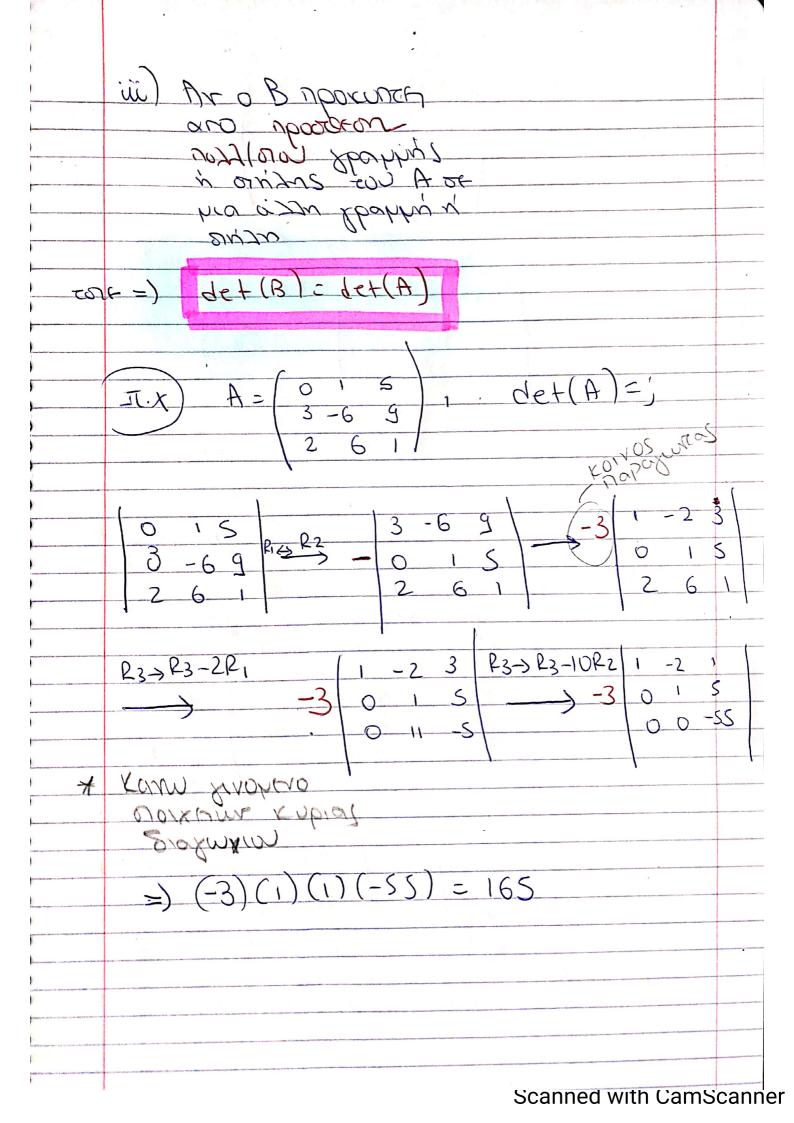
× Το προσπρο τω Cij προκίπτει απο τον παρακατω κανόνα ha 2x2 nivara fxapt MII= azz (11 = M11 = C/22 · M12 = Q21 C12 = - H12 · Uzi (21 = - 012 A = (an arz) · M22 = a11 (22 = Q11

- and balance the	Opiques man et jagres i proprie de
	Ar o A Gual NXN Nivaras  n opisoso cou A det (A) nporuren  ano ror nul pro rur outenur pros  regulais à onins pe ca arcionouxa apprehens  rous supermobrana
	det(A) = a; li, + aiz Ciz+ d'i3(i3+tain(in
	Cavantypa us opul i parti
	x det (A) = a15 (ij + azf (zj + a3f (3j + + anj (n)
	παραδείχο
	$A = \begin{pmatrix} 3 & 1 & 0 \\ -2 & -4 & 3 \\ 5 & 4 & -2 \end{pmatrix} det(A) = 1$
	Me avancytes us spos 1= prapps
	det(A) = +3 -43 + 1 -23 @ 0 -2-4 (Kavoras 1200mpur)
	=3(-4)-1(-11)+0=-1/
agastica spalled (Spiller How To opt or Honor	

Me arancypa us nos 12 onion det(A) =+3 | -4 3 | -(2) 1 0 | +5 | 1 0 | -4 3 | =3(-4)+2(-2)+5.3=-1//Tapadeyya 0 Arancoppo us nous 24 onito det(A) = +1 arantyka >>

	T.X A = ( an 0 0 0 ) azi azz 0 0 , det(A)='j azi azz azz 0 0 aui auz auz auz auu
	Avantypa ws apos $4^{12} \cos 2 \cos 4$
A	= CH4. CLI Cl22 Cl33 = OLICO22Cl33 Cl44  Deuphpa  Ar O A Eivar nxn arw opigurixos/kazw in Tragurius nort n opiguros nou A Giar ion 14. No xvoparo nur nouxeiur ons ripas
	8 agurio
<b>A</b>	Ar o zerpajuritios nivaxas A exer prodeviros papyin à origina roze det(A) = 0 (det A = 0 (1] + 02] + . + O(nj)
	Scanned with CamScan

\* arcattago es spants neontes (AT) D Genpapa det(A) = det(AT) MINDONA a drancuppa us news i spaped over A DEcipyus Form A (nxvi) abighin yelk-Englablusiko auo roylono starkusiko abighin yelk-Englablusiko => def(B) = Adef(A) (det(B) = 2011 (11+2012 (12+ ... +2011 (1) = 2(air(i)+ + + air(in) = 24-ex/A ii) Ar o B vookness wir => det(B) = -det(A)



Japadeigyon