$$e_{i-1}e_{i-1} - \delta_{i-1}e_{i$$

Choù a la gérégoumanne 3ad. Uge en Aggrupane 3a pezebe ha oray, ho Te my degut læpne u sa citud ste (slet A = let A) A = (oil, or= (oil main), b== (bii, -bni) \$ (a, an 1 = left - slot A = \$(b_1 - b_n) 1) Also peg tra verzuga e cyma 11 a 2 pego, 70 grépormont la mosp. e cyma à gesepor, konto ce voryester, levo some - um som pg ce co Sujoenase

$$\begin{vmatrix} 5.1 & 5.2 \\ 3 & 4 \end{vmatrix} = 5. \begin{vmatrix} 1 & 2 \\ 3 & 4 \end{vmatrix}$$

$$\frac{3a5}{5}$$
 $= (\frac{1}{3}\frac{2}{4}) = (\frac{5.1}{5.3}\frac{5.2}{5.4})$, $5(\frac{1}{3}\frac{2}{4}) = (\frac{5.1}{3}\frac{5.2}{4}) = \frac{1}{3}\frac{5.1}{4}$

$$= \begin{vmatrix} 1 & 2 \\ 5 & 3 & 5 & 4 \end{vmatrix} = \begin{vmatrix} 5 & 1 & 2 \\ 5 & 3 & 4 \end{vmatrix} = \frac{1}{5}$$

3 as 1/ m 2/ coneglior or romunitaries 3) Alco posmerno 2 prego ha resp., so gerepar. a an avere 3 horas 12 = -)3 4 | 3 4 |

4) Aco l'egna rap, una l'egnach jegn, 10 grepm. i e ?

3vd. 3 v 4 cngl- o ovivunesp.

5) And com peg to rain godolia gryn peg grunomen como, géréphilemonsont les ce yourens Des Kenn kom i pg we gudden f grun. cl Una Momena E i py a Tri e aittaj girepm ha futar ray e $\phi(\alpha_{1}, \alpha_{1} + \lambda \alpha_{1}, \alpha_{n}) = \beta(\alpha_{1}, \alpha_{2}, \alpha_{n}) + \lambda \phi(\alpha_{1}, \alpha_{2}, \alpha_{n})$ $= \beta(a) A$ $= \beta(a) A$ $= \beta(a) A$

6) Aus map, una segne, o gereppe, u e 2 det A = \$\phi(\alpha_1, \ldots, \dagger) - \alpha_n\right) = 0. \$\phi(\alpha_1, \dagger), -\alpha_n\right] = 0 (0,0,-0)=0.(0,-0)=0.8(cnegler u 05 210 cl-60) F) Acco vers p. una 2 ajottopynonnem pegn, to gesepm. Le 2 (term $\bar{\alpha}_i = l\alpha_j$ ($i \neq j$) $\oint (e_1 - l\alpha_j, -\alpha_n) = \lambda \oint (\alpha_j - \alpha_j, -\alpha_n) = \lambda \cdot \partial = 0$ $\uparrow_i \qquad \qquad \uparrow_i \qquad \qquad \downarrow_{i \neq j} \qquad \downarrow_{i \neq j} \qquad \downarrow_{i \neq j} \qquad \downarrow_{i \neq j} \qquad \downarrow_{i \neq j} \qquad \downarrow_{i \neq j} \qquad \qquad \downarrow_{i \neq j} \qquad$

8/ Aco epun jug e 1 K ha ocionemie, 50 gerepu. nu verop. e 0 (E) a co pegolise un Mosp. ca 13,50 gregn. a e o) $\Delta - C_0$ δ_{-0} , o. $\Delta_n = \sum_{T=1}^{N-1} \lambda_T \alpha_T$ $\frac{\det A = \phi(\alpha_{1}, \alpha_{n-1}, \sum_{i=1}^{n-1} \lambda_{i} \alpha_{i})}{\ln - 1} = \frac{1}{\ln - 1}$ $= \sum_{i=1}^{n-1} \lambda_{i}, \phi(\alpha_{1}, \alpha_{n-1}, \alpha_{i}) = \frac{\det \alpha_{n-1}}{2\lambda_{i}} = 0$ $= \sum_{i=1}^{n-1} \lambda_{i}, \phi(\alpha_{1}, \alpha_{n-1}, \alpha_{i}) = \frac{1}{2\lambda_{i}} = 0$

0,0(1) -- ano(n) -0-, onco fi; i>o(i) $\int_{\delta} \int_{\delta} \left(S_{i} g_{n} \sigma \right) \alpha_{i} \sigma(n) - -\alpha_{n} \sigma(n)$ $\int_{\delta} \int_{\delta} \left(S_{i} g_{n} \sigma \right) \alpha_{i} \sigma(n) - -\alpha_{n} \sigma(n)$ $\int_{\delta} \int_{\delta} \left(S_{i} g_{n} \sigma \right) \alpha_{i} \sigma(n) - -\alpha_{n} \sigma(n)$ i=n $n \leq \delta(n/-1) \leq \delta(n-1) = n - 1$ i=n-1 $n-1 \leq \delta(n-1) = 0 = 0$ i=n-1 i=n-12) Vi S(i)=i, r.e. 5=88 det A = (8,3mid) a,, ore--ann = a,, ore--ann

Sud, even. Thereof. > 2,3,5

A ET / Arco one - To use now type peg brought the first Stroker lex

= A Not A = \(\frac{+}{9} \) \(\text{Formal. Lot A}, \(\lambda \) \(\lam

300. B Aggregnen en gergen uner n. certigær y $\frac{365}{21}$, $\frac{365}{221}$ $\frac{365}{221}$ 071 072 013 021 022 023 1031 032 033 = a,1 a22033 - 07 823032 - 072 021 533 + 0762531 + 93 21 032 - 9322031 123 - 6 | + 112 -1 - $\frac{213}{231} - \frac{1}{2} + \frac{1}{4}$

312-2

321 -3 -

305 n= 9 -> 29 coduprerum The set A = 0 km pupliere (won Solvie) in an 13 D-Co (t=) 3 aven - clo-60 8 (2)/ Kenn pry. in on AM => Te co Some por Fh (e,- e,- comy. Some on Fh) (ay,or on) Here $e_i = \sum_{j=1}^{n} \lambda_{ij} \alpha_j$ y = i = 1, -1

 $\oint (e_1, e_n) = \det A \cdot \oint (e_1, e_n) = \lim_{n \to \infty} \int e_n = 1 \quad = \det A \cdot \underbrace{\det A}_{=0} = 0 \quad = 1 = 0 \quad = 1 = 0 \quad = 1 = 0$ 2) a, a, -13 Cr. Set A = 0 €) eyun pey (500) e 1/6 ma ocionume Cn. det A + 0 (2) peg. (5.1 is cn AH

(c) peg (5.1 is cn Some no F5

Agromyon konerest a postare her gereportenaura Dop- AEMn(F); i,j E (1_n) | 011 --- 015-1; 01; t1 -- 014 Horse Kara, cris Cerca Cong | ai+1,1 -- oi+1,j-1 | oi+1,j+1 -- oi+1,1 to ai (Tongrede a con gesegm. 4- and congresson, todayerson of A coney supposedore on in py if word)

Aij:=(-11 11 Di) - agrowing one convecto,

or Corrector,

or Corrector, The slot $A = \sum_{j=1}^{n} \alpha_{ij} A_{ij} = \sum_{i=1}^{n} \alpha_{ij} A_{ij}$ (Hi=1_n) (Hj=1_n) poslument at i yeg poslument at justend Sud. Mone gr ce vorionsle u su get ouver in gete o morse go construe percyperito grapa. -Meconstrues on Set ce clemps go Meconstrues on page gesepa. or (n-1/ pag

Der
$$f(A) = f(b_1 - b_n) = (-1)^{i+1} a_{ij} a_{ij}$$

Use The re $f \in \pi AA$ u cope $f = A$. Ye corpore

 $f \in f = f(b_1 - b_n) = f(b_1 - b_n)$

· 3a
$$i=1$$
 su $a_{ij}=a_{ij}$
· $j \neq k$
· $a_{ik}=\lambda a_{ik}+\beta a_{ik}$

$$\int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} \int_{i}^{3} f = \int_{i}^{3} \int_{i}^{$$

j +K

$$= \lambda \sum_{j \neq i \in \mathbb{Z}} (-1)^{i+i\kappa} a_{j}^{i} a_{j}^{i} + \lambda (-1)^{i+i\kappa} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} + \lambda (-1)^{i+i\kappa} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} + \lambda (-1)^{i+i\kappa} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} + \lambda (-1)^{i+i\kappa} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} a_{i\kappa}^{i} + \lambda (-1)^{i+i\kappa} a_{i\kappa}^{i} a_{i\kappa}^{i} a$$

3) $f \in \text{Hogh upon}$ $e_1 = e_n - \text{Goog Soone}$; $e_i = (s_{ii}, s_{ii}, -s_{ii})$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = (i \text{ set } E_{n,1} = 1)$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ $f(e_i, e_n) = Z \text{ Sij } \Delta_{ij} \cdot (-1)^{i+1} = \Delta_{ii} = \text{set } E_{n,1} = 1$ Co. (Forwards possonorone)

1) \(\frac{7}{2} \) \(\alpha_{ik} = \delta_{jk} \). \(\delta_{k} \) \(\delta_{jk} = \delta_{ik} \) \(\delta_{ik} = \delta_{ik} \) \(\delta_{ik} = \delta_{ik

J=K - 2000 - - 18kmin 170 pg/5. 2-00 jtk ZorjAik - posnoroso so k Gend ha gesepu pa bevoj, koost a trongrale of maj. A, koto ha merco ha kw in ciond core chomme ju _ maj. c 2 equach conda => ojesem, u e 0 -> Set -0 A= Bic = Six -> Ark = Air