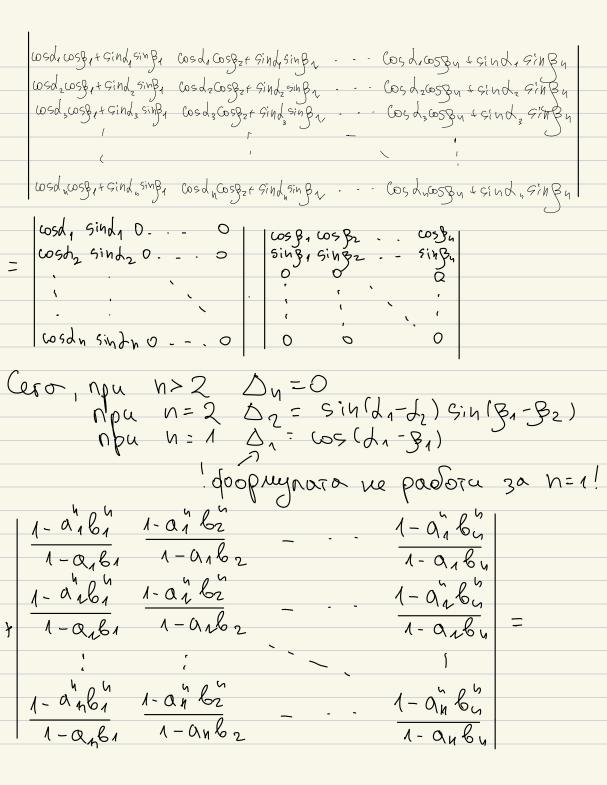
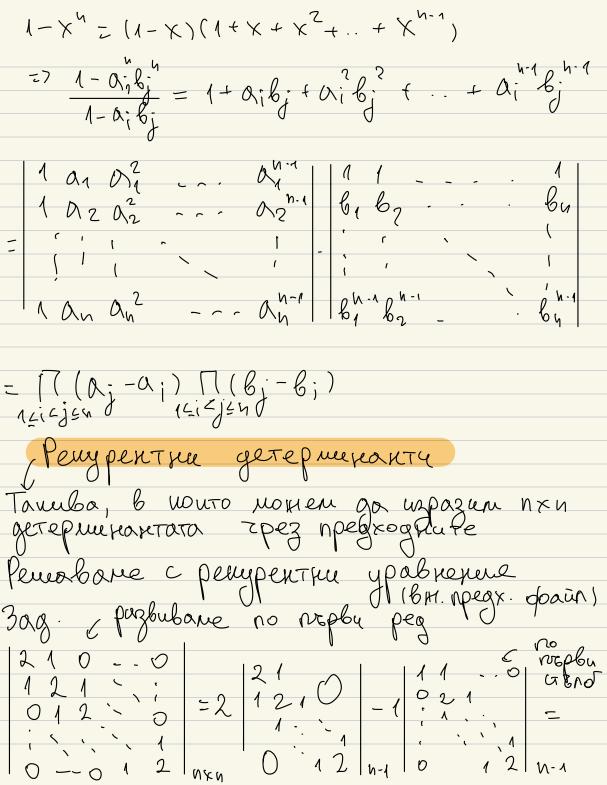
Determination 2. Matpuretta

Bagazu. Da ce npechethe getephilikaktar

Cos(d,-B2) - - cos(d,-Bn) Cos(d2-B2) - - cos(d2-Bn) 65(41-31)65 (dn-B2) -. Cos(dn-B2) COS (2 1- 31) cosd; coss; + sind; sins. Cos (d; - B;





$$= 2 \Delta_{n-1} - \begin{vmatrix} 2 & 1 & 0 \\ 1 & 2 & 0 \\ 0 & 1 & 2 \end{vmatrix} = 2 \Delta_{n-1} - \Delta_{n-2}$$

$$\text{Rony we kne pen y-e:}$$

$$\Delta_{n} = 2 \alpha_{n-1} - \alpha_{n-2}$$

$$X^{n} - 2 X^{n-1} + X^{n-2} = 0 \text{ i. } X^{n-2}$$

$$X^{2} - 2 X + 1 = 0 = (X - 1)^{2}$$

$$X_{1,2} = 1$$

$$\Delta_{n} = A \cdot 1^{n} + n \cdot B \cdot 1^{n} = A + n \cdot B$$

$$\Delta_{1} = |2| = 2 = A + B$$

$$\Delta_{2} = |2| = 2 = A + B$$

$$\Delta_{2} = |2| = 3 = A + 2B$$

$$\Delta_{3} = |3| = 3 = A + 2B$$

$$\Delta_{4} = |3| = 3 = A + 2B$$

$$\Delta_{5} = |3| = 3 = A + 2B$$

$$\Delta_{7} = |3| = 3 = A + 2B$$

$$\Delta_{8} = |3| = 3 = A + 2B$$

$$\Delta_{1} = |3| = 3 = A + 2B$$

$$\Delta_{2} = |3| = 3 = A + 2B$$

$$\Delta_{3} = |3| = 3 = A + 2B$$

$$\Delta_{4} = |3| = 3 = A + 2B$$

$$\Delta_{5} = |3| = 3 = A + 2B$$

$$\Delta_{7} = |3| = 3 = A + 2B$$

$$\Delta_{8} = |3| = 3 = A + 2B$$

$$\Delta_{1} = |3| = 3 = A + 2B$$

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$$\Delta_{8} = |3| = 3 = A + 2B$$

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$$\Delta_{1} = |3| = A + 2B$$

$$\Delta_{2} = |3| = A + 2B$$

$$\Delta_{3} = |3| = A + 2B$$

$$\Delta_{4} = |3| = A + 2B$$

$$\Delta_{5} = |3| = A + 2B$$

$$\Delta_{7} = |3| = A + 2B$$

$$\Delta_{8} = |3$$

$$= 7 \Delta_{N-1} - 2.5 \begin{vmatrix} 72 \\ 52 \end{vmatrix} = 7 \Delta_{N-1} - 10 \Delta_{N-2}$$

$$\Delta_{N} = 7 \Delta_{N-1} - (0 \Delta_{N-2})$$

$$\Delta_{N-1} + (0 \Delta_{N-2} = 0)$$

$$X^{2} - 7 \times + (0 = 0) = (x - 2)(x - 5) \times_{1,2} = 2.5$$

$$\Delta_{N-1} = 2 + 5 = 7$$

$$\Delta_{N-1} = 3 = 4 + 25 = 7$$

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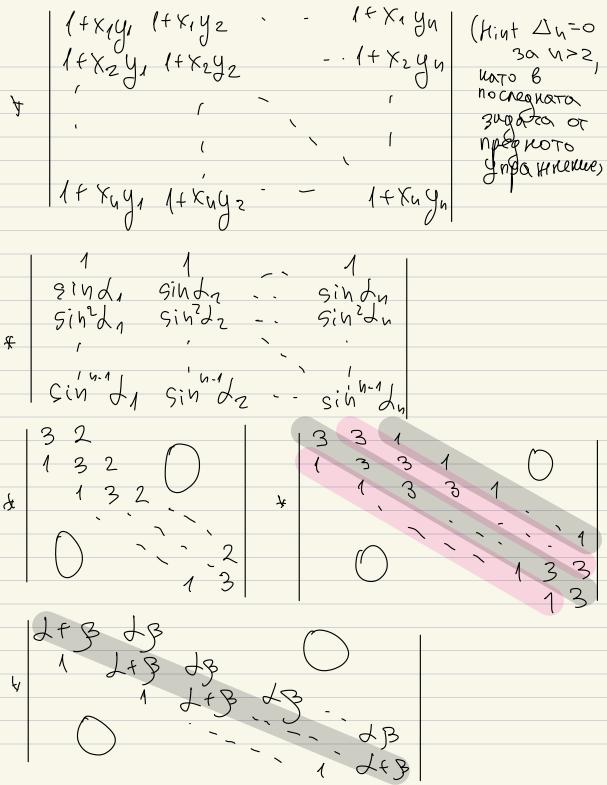
$$\Delta_{N-$$

$$\begin{array}{l} = \{d+g\} \land N_{-1} + dg \land N_{-2} \\ \land N_{-} = \{d+g\} \land N_{-1} - dg \land N_{-2} \\ \land N_{-} = \{d+g\} \land N_{-1} - dg \land N_{-2} \\ \land N_{-} = \{d+g\} \land N_{-1} + dg \land N_{-2} = 0 \\ \land N_{-} = \{d+g\} \land N_{-1} + dg \land N_{-2} = 0 \\ \land N_{-} = \{d+g\} \land N_{-1} + dg \land N_{-1} + (1+2) + dg \land N_{-1} = 1 \\ \land N_{-} = \{d+g\} \land N_{-1} + (1+2) + (1+$$

Bagaru za ynpattherme! Bag. Da ce njechethe getephienantata Kigi Xigz Xigz... Xigu (Mint: Loxuecete X, ot Xigz X2yz Xzyz ... Xigu Nopba peg, a pezantat Xigz X2yz Xzyz ... Xigu Nopba peg, a pezantat Xigz X2yz Xzyz ... Tot usbagete ot i-tue
pea, yuhiohpen no X;
Xigu Xzyn ... Xuyn noche parbuite no
noched value (Tono) (Nint: | O On = (-1) a...an

paznurko ot | a1 . O |

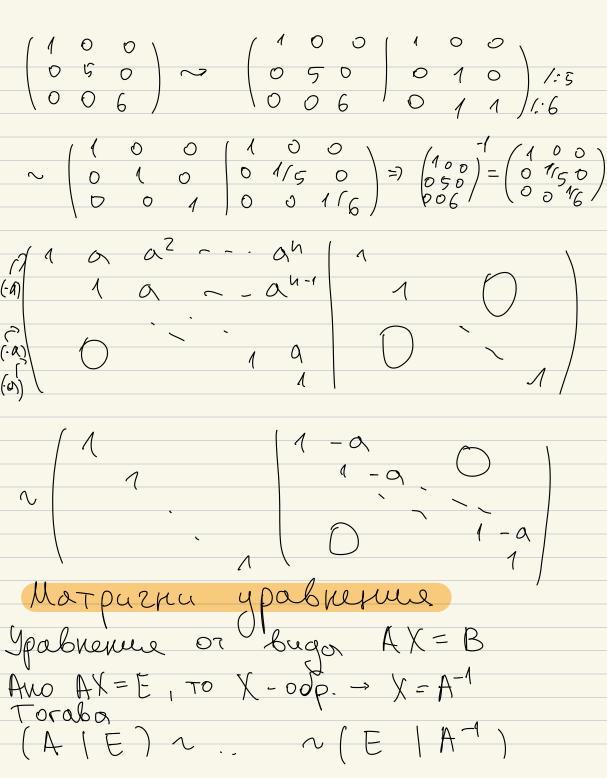
O ay) 101 0 1 - - - 1 10 X . _ - × ; X O X · · × 1 X - - - X O (Mint parbubaire no nocheauux (Tonor) Qo Qu - - - One Qu X 0 -1 X -1 X -1 X -1 X -1 X



Egra ub. notpuda BEMARIKAPUZANE ODPATRA
KOLA E My (12). Como AB-BA=E, B JENEMUM C A-1 le ballo natpune e odpatiena: Mynebaja Majp-

Кашеране на обратна потрица: (A | E) N. N. (E | A-1) L'AMENTAPHU npecop. no pegobe 3ag-Da ce nanepa ofp. notp: $\begin{pmatrix} 1 & 2 \\ 3 & 5 \end{pmatrix}$ \rightarrow $\begin{pmatrix} -3 \\ 1 \end{pmatrix}$ $\begin{pmatrix} 1 & 2 \\ 3 & 5 \end{pmatrix}$ $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$ $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$ $\begin{pmatrix} 1 & 2 \\ 0 & -1 \end{pmatrix}$ $\begin{pmatrix} 1 & 0 \\ -3 & 1 \end{pmatrix}$

 $\begin{pmatrix} 1 & 2 \end{pmatrix}^{1} - \begin{pmatrix} -5 & 2 \\ 3 & -1 \end{pmatrix}$



npu AX=B: (A | B) N --- ~ (E | X) enementapeu rpeoop. no pegobe Ano AEMn (PI - ofparemento X = A-1B 3ag. (21)(=(303)(12)(=(3303)2x2 $N \left(\begin{array}{c|c} 1 & 2 & -1 & 2 \\ 0 & 1 & -1 & 2 & -1 \end{array} \right)$ $4 \begin{pmatrix}
1 & -1 & 2 \\
3 & 1 & -1 \\
1 & 3 & -5
\end{pmatrix}$ $4 = \begin{pmatrix}
1 & -1 \\
2 & 1 \\
0 & 3
\end{pmatrix}$ 3×2 3×3 $\begin{pmatrix}
1 - 1 & 2 & | & (- 1) & (- 3) & (- 1) & (& 1 & - 1 & 2 & | & 1 & - 1 \\
3 & 1 & - 1 & | & 2 & 1 & | & 2 & | & 1 & - 1 & | & 1 \\
1 & 3 & - 5 & | & 0 & 3 & | & 2 & | & 0 & | & 4 & - 7 & | & - 1 & 4
\end{pmatrix}$

Moraro unane uzyero myreb peg, godaberne rapanetpu! (p, q-npouzb.) Tpar cno supare na na pousb. (XA)^t = Bt => At Xt = Bt

3a8. (1 - 1) = (1 - 1 - 3) (2 + 1) = (4 - 3 - 2) (1 - 2 - 5)

$$\begin{pmatrix}
1 & 2 & -1 \\
1 & 1 & 0
\end{pmatrix} \times = \begin{pmatrix}
1 & 4 & 1 \\
-1 & 3 & -2
\end{pmatrix} \\
\begin{pmatrix}
1 & 2 & -1 & 1 & 4 & 1 \\
1 & 1 & 0 & -1 & 3 & -2
\end{pmatrix} -1$$

2) L MAM
$$Y \rightarrow XB = Y$$

3) $(XB)^t = y^t \rightarrow Bt x^t = y^t$

3)
$$(XB)^{\circ} = 9^{\circ} \rightarrow B^{\circ} X^{\circ} = 9^{\circ}$$
41 uam X^{\dagger}

$$2-3+1+1976+120=1$$

$$\begin{pmatrix}
2 - 3 & 1 \\
9 & - 6 \\
1 & 1 & 2
\end{pmatrix} = \begin{pmatrix}
2 & 0 - 2 \\
18 & 12 & 9 \\
23 & 15 & 11
\end{pmatrix}$$

$$A \qquad B \qquad C$$

$$AY = C, TSPUN$$

$$\begin{pmatrix} 2 & -3 & 1 & 2 & 0 & -2 & (-2)(-3) \\ 4 & -5 & 2 & 18 & 12 & 9 & 2 & 0 \\ 5 & -7 & 3 & 23 & 15 & 11 \end{pmatrix}$$

$$XB = Y$$
 B^{t}
 $X^{t} = Y^{t}$
 Y^{t}
 $Y^{$

3agaza 3a ynpathrenne 3ag. Da ce namepat oopathure morping ka marpugure:

(1 3 -7)

(1 0 -1 -1)

(1 -1 0 -1) 106 + -6 a -d c - c o(a - b - ol - c b a) Curretpuzza notpuna (A = Atl). Cunetpurko me opatrata ú? * 0 0 1 1 0 . - 0 * 0 0 1 1 0 . - 0 1+01---1 1 1 1+0 1 - . 1 notherme aborderer 3ag. Da ce peuvoz

$$(V-1)$$
 WHOO 2023)
 $A = \begin{pmatrix} 6 & 0 \\ 1 & 1 \end{pmatrix}$, $B = \begin{pmatrix} 2 & 1 \\ -1 & 2 \end{pmatrix}$, $C = \begin{pmatrix} 2 & 3 \\ 1 & -2 \end{pmatrix}$, $D = \begin{pmatrix} 3 & 2 \\ 1 & -2 \end{pmatrix}$

$$A = \begin{pmatrix} 2 & 0 \\ 1 & 1 \end{pmatrix}, B = \begin{pmatrix} 2 & 1 \\ -1 & 2 \end{pmatrix}$$

$$?X$$

$$A \times (D + B \times)^{-1}$$

$$A \times (D + B \times)^{-1} = C$$

$$A \times (D + B \times)^{-1}$$