1) Neura npo goi cucmeium Neura: Thexain y bekmopuousy npocmopi V jagano gbi cucmesses bekmopil A = {as, as, am}, B = {bs, bs, bh}, bhs, npusony bei bekmopu cucmesses A riviano bupanianomere sepez cucmesses B. lueso m > n, no cuemessa A riviano zarenera. Il lexait y bennopuany npoemopi V zagano gbi cuemenn bennopib A = {as, as, am 3, B = {bs, bs, ..., bn 3, npurony boi bennopu oucmenn A rivièno benjamanomoci repez cuemenny B. Innso cuemena A rivièno benjamanomoci rezarenna, no men Duicon reun: rivières hezarenina cuemeura benopib He mome rivières bupamanues 4epez aucmeury z мениши числом высторів Dobegenne (6 II opopuynobanni big cynpomubnoto) Hexair cuemeura A rivières regarente : m > n. = Curageurs roby cuemeury beremopile A1 = {a1, B3 = {a1, b1, b2, ..., bn} 3a roungusemen as E , moning = <A,> i cuemena As rivières generula. B' cuemeni Az butupasuo nepuent bannop, uso vinituo Eupania Embas repez nonepequi, i noznaviumo vioro repez cs. Ocurrine as \$ 0 (50 A - Musino neganemna), mo cs \$ as a many $c_1 \in B$. Bunpeanino bennop c_1 iz cuchenen bennopib A_1 . Ogermeno cucheny bennopib $B_1 = A_1 \setminus \{c_1\}$ i nou money bennoyemen $\langle B_1 \rangle = \langle A_1 \rangle = \langle B_2 \rangle$ i b cucheni B_2 zanine come a Bennopib. Ananomic chaque ou curemy beampib Az={az, B, J={az, az, ... 5. Ocientes az € (B>= = < B17, mo cuem. beumopil A2 rivituo zeremua i < A2> = < B17 = < B>. Buolog 6 cuements Az busuparenso nepunci bennop, enui viviano lapanaria repez nonepegui, i nojuarreno cioro ca. Ocientre za queboro A-vivicino Hezerenna, mo benemopu as, as - rivières regarennei, a moury ce z huma ne chibnagae, mosmo ez EB. Burpechoemo bumop ez 3 n Bennopil, nouvoury <Ba> = <Aa> =

Προσοβπισιουν yet προιзес gani, repez η προκίβ πριχοσμιπο go cuemerum βεκπορίβ $Bn = \{a_n, a_n, \dots, a_n, a_n, a_n, \dots, a_n\}$, πρινουμς $\langle Bn \rangle = \langle B \rangle$. Ανε απιχο m > n, πο \exists вентор $a_{n+1} \in A$, πρινουμ $a_{n+1} \in A \rangle = \langle B \rangle = \langle B \rangle = \langle B \rangle$. lanue 4440m, bennop ani rivituo berpanaembre 4epez bekmapu an, and, ..., az, az, uso cynepetiums nivituit rezonenwormi aremenu bekmapib A 2) (Mobiezane 3 meopenion Mopgana, ne upoxogumi) (3) $A = \begin{pmatrix} 4 & 1 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix}$ $A = \begin{pmatrix} 4 & 1 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 4 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1 \\ -2 & 1 & -2 \\ 1 & 1 & 1 \end{pmatrix} = \begin{pmatrix} 4 & -2 & 1$ $B_1 = A - 3E = \begin{pmatrix} 1 & 1 & 1 \\ -2 & -2 & -2 \end{pmatrix} \sim \begin{pmatrix} 1 & 1 & 1 \end{pmatrix} \times x_2, x_3 - 6inoux$ DPCP: $x_1 \times x_2 \times x_3$ 100 = a_3 a_3 , a_3 - δa_3 ue R_2 व निकासम्बद्धाः है। हिम्मा एक्सेकि h_{2} h_{-1} a_{3} , $\psi(a_{3}) = \beta_{1}a_{3} = \begin{pmatrix} 1 \\ -2 \\ 1 \end{pmatrix}$ $(\psi^{2}(a_{3}) = 0)$ $\Lambda = 3 \begin{cases}
f_3 = \psi(\alpha_3) = (1, -2, 1) \\
f_4 = \alpha_5 = (1, 0, 0)
\end{cases}
\sim \int_{2} = \begin{pmatrix} 3 & 1 \\ 0 & 3 \end{pmatrix}$ $\Lambda = 3 \begin{cases}
f_3 = \alpha_4 = (1, -1, 0) \\
0 & 0 & 3
\end{cases}$

$$\begin{array}{c}
(1) \quad X_{1}^{2} - 2X_{1}X_{2} + 2X_{1}X_{3} - 2X_{1}X_{1} + X_{2}^{2} + 2X_{2}X_{3} - 4X_{2}X_{1} + X_{2}^{2} - 2X_{1}^{2} = \\
(X_{1} - X_{2} + X_{3} - X_{1})^{2} - X_{2}^{2} - X_{2}^{2} - X_{1}^{2} + 2X_{2}X_{3} - 2X_{2}X_{1} + 2X_{3}X_{1} + X_{2}^{2} + 2X_{2}X_{3} - \\
- 4X_{2}X_{1} + X_{2}^{3} - 2X_{2}^{2} = |y_{1} = X_{1} - X_{2} + X_{3} - X_{1}| = |y_{1}^{2} + 4X_{2}X_{3} - 6X_{2}X_{1} + 2X_{3}X_{1} - \\
- 3X_{1}^{2} = |y_{2} = |3X_{2} + |x_{3}^{2}X_{3}| = |y_{1}^{2} + y_{2}^{2} - 3X_{2}^{2} + 2X_{2}X_{3} - |x_{3}^{2}X_{3} - 6X_{2}X_{1} + 2X_{1}X_{1} - \\
- 3X_{1}^{2} = |y_{3} = |3X_{2} - |x_{3}^{2}X_{3} + |3X_{1}| = |y_{1}^{2} + y_{2}^{2} - 3X_{2}^{2} + 2X_{2}X_{3} - |x_{3}^{2}X_{3} - 6X_{2}X_{1} + 2X_{1}X_{1} - \\
- 3X_{1}^{2} = |y_{3} = |3X_{2} - |x_{3}^{2}X_{3} + |3X_{1}| = |y_{1}^{2} + y_{2}^{2} - y_{3}^{2} - y_{3}^{2} - y_{1}^{2} - y_{2}^{2} - y_{3}^{2} - y_{2}^{2} - y_{3}^{2} -$$