Analog, pt A & I & Y & Un (R) arem AY & I

Ca wrunere, I & Un (R).

Luam acerer JAMCR).

Notam I = } ALE : JACJ JII *= 91'3. 3 Fre tiyeI.

Atural with the J. ijeli..., if $\alpha = \alpha_i$ of exists AEJ, bile 31,-us J= aze to lunde la lui M of - u reit 0. (12 3 4 5) (0900) 2 (0400) (4 8 9 10) (0000) 2 (0900) (11 12 13 14 15) (0100) (01400) de el M. Ese e matucea come are procologna l'oboana la alm' M N-4 1757 0 Atment Eik A Ego ane y in poster (1) Ca wruch, x-y = colorentaliste po popular (i,j) a mature A'- Eixt Egi. Deer) x-y eI. Fre aER H HEI. A Tunci with Me (mj.), if St= Algorithm, ng aga ce at = mg".

(lij) al Atura ax e elemental matricei (aIn) med deci axeI. MilaIn) e J) avecu Analogo (foliand maturcoa XatI, Ca urueare, I = R. Oss: JC ·Mm (I) Recoproc, fre M = (mij) & lln (I). Atuna pt frecare injest,..., us exists o maturce A (1,j) =] & Kj., ly (21,2, .., 1) aga in calt Mij = A(ij) kijlij.

Athural matricea Eiky A(i,j) kijlij Eliji au my in postor ij of onet, Pm wwwe, M = 2 Ei, ki, Ati, j) kij, ei, Eq. 185 Dew are be My (I) cf. S 7 9 For domentat desi: evistal IAR Prest JAMn(R) ddaca age most Jelln(I). Cenu My (±) = NM, (R) (pt JER), ne juleur entresa cenu avatt melul factor My (R) nacet sciv: Counderain f: Mm (R) - 3 Mm (R), f (A = (aij);) = (aij); Aven. ".
. Rre A = (ai), , B = (4,11; & lh(R). f(A+15) = f((ay+by));;) = (ay+by)); = (ay+by));;= = (ai); + (bi); = f(x)+f(B) = f(Ab)= f((2aikly)))= (2aikly))= = (= aib by) = (air) ((Luj) (= f(A) + (B) Evoluit, f(In) = (220) Deci f « mosform uniter de mele Rre Y2 (4)), cu y; ER. Aprila, & = & ((di))), A MARRELOR Deel, fe mijestilà. Deul infolla(R). Fre A EUM(R) Ackert (=) f(A) = 0 (=) (aij); = (0) ij (=)

En aj zô Hij (za Hij aj FI (za) AEUm (I). Ca wrinare, ker f = Mn(I). Conform teoremen' fundamentale de itomor. from penten mole, $\frac{\mathcal{U}_{n}(R)}{\mathcal{U}_{n}(I)} \xrightarrow{\sim} \mathcal{U}_{n}\left(\frac{R}{I}\right)\left(\overline{(a_{ij})_{ij}} \mapsto \overline{(a_{ij})_{ij}}\right)$ Occuplu de reservitur in context! Determinate, para la your pour pour melete factor ale molului Mr (Es) Sol: Fulleboufactor cereite met le coloanes du drespts a tatelului de mai jes! Mg(E) ~ Mr (Ze) ~ Mr (Z) M(278) Ur (28) ~ Ur (38) ~ U1-(E4) 469 28) Mr (28) = Mr (28) ~ Mr (28). M5 (202) Pentru de le détermina, au folont: 1) I de a lete de laterale ale nelului Mn (R) muit exact insumettamine luis Ulm (12) de forma Un (I) in I &R (Rfond we rel wester

2) Idealele (Hlatoraly ca) e countater!) ale meluler En mut cele dui multipuea ¿dEn: d/n} 3) Daci Remel, R = (0) 13 N Ed 4) Daca about of dln, Saca ISJAR, on JAR. (8 2 E128) 5) Daca Reinet, R SR

LUCRARE SCRISA LA TEORIA NUMERELO