Monomien, un que emoxurere W og novepnoso popoxenue mesperson AERMAN, MEN (A=WH, WTW=I, WE)RMAN, HEO, KEIRMAN) CHISCHEEDE ! $\frac{\|A^{T}A - I\|_{2}}{\|A\|_{2} + 1} \le \|A - w\|_{2} \le \|A^{T}A - I\|_{2}$ Запечание: перво дет соотношение исклу дунь вы пераши видость (6 current 11-112) meguyar A M optionecenses: 11 ATA-III2 u min 114-Q112 D A = WY - novepnoe popuseme (1) Donemer 11A-W112 = 11ATA-I1/2 11A-W11, = 11W (H-I) 112 = 11H-I1/2 114TA- III2 = 11 HTWTWH-II12 = 11 HTH-I112 HEIRNEN 1120, Jennen wirlemas prestence H: H = QDQT, D = trag (d1,...,dn), d1 > d2 ≥ 2 dn > 0 - € c3. H HTH = QDTDQT = QD2QT · || H-I||2 = || ODQT-I||2 = || O(D-I)QT ||2 = || D-I||2 · || HTH-I ||2 = || Q(D2- I) QT ||2 = ||D2- I||2 governer 200 11 D- I1/2 < 11 D- I1/2 T.M. (D-I) u (D2-I) - quero neverare magnession veryagos, ux 11.112 - 200 MONTHS MARCHIMETERNOTO TE-TO WE GUENDHELLE (OND HE BRIEFTE 51), TO CETO ... (MARC CHATTERNOTH THERE) 1dy-11 mayers guelnus a 1dx2-11: a) 46.[0;1]: 1-4, V 1-67; 4(4-1) <0 => 1-6,21-62 δ) d>1: d1-1 × d2-1; 0 ≤ d(d1-1) => d-1 ≤ l3-1 Taneur ospesser, |d1-11 & |d2-11. To cere 110-I112 < 11 D2-I112. 200 Gongarder 11A-WII 2 = 11 ATA-III2 (2) Donamer ||ATA-I||2 < ||4-w||2 Tustuyestunewerveness 11.1127 <u>||ATA-I||2 = ||HTH-I||2 = ||D-I||2 = ||(D-I)(D+I)||2 ≤ ||D-I||2 · ||D+I||2 (</u> € ||A-W||2 · ||D+I||2 ≤ ||A-W||2 · (||D||2+1) = ||A-W||2 · (||A||4+1) ||A-W||2 [110+I112 = |d++1 | 5 |d+ +1 = 110112+1] 3nonor, 11ATA-IN2 = |(A-W|12 0