Dugspepacy of years Korno zuwu. f:ECIRM - IR. Лемма (об одекки мормы микейного оператора) $A: IR^{m} \rightarrow IR^{L}$ — мисейного оператор , $A \rightleftharpoons > (a_{ij})$ Torga +x & IRM

[Ax] & Cx /x1, rge Cx = 5\x a_{ij}^2 Dudyarensons: Paamorpam:

|AX| = \(\sum_{i=1}^{m} \) \(\sum_{i=1}^{m} $\sum_{i=1}^{L} \left(\sum_{j=1}^{m} \alpha_{ij} \cdot x_{j}\right)^{T} \leq \sum_{i=1}^{L} \left(\sum_{j=1}^{m} \alpha_{ij}\right) \left(\sum_{j=1}^{m} x_{j}\right)^{T}$ (bluescum eyny consumer spreadors of the suppose of the s = |x|2. 2 € aij = |x|2. CA | [Ax| ≤ |x| CA l ho yme hor cregyrougen bozbparyaeman & Komnozuellen Companye, MON!)

F: EZIR -> R F(E) & I a. Int(E) G: ICIRL >Rm $F(a) \in Iut(I)$ F-guapap. 6 T. a, Gr-guapap. BT. Flat lorga 600F - gupp. Br.d. (600F) (as = 6'(Fa)). F'(a) Con no znaom marrigor, + o courtain - ogto ygelentet bue! Dok-bo: b:: Fra, k:= Fia, h +d (6). [h] F(a+h) = F(a) + F'(a).h + d(h).1h1 G(6+k)=G(b)+G'(b).K+B(k)/K) Paamotpum; GATCOUND COLFRANCE G(F(ath)) = G(b+k) = G(b) + G'(b)·k+B(k)|k1= =6(F(a))+6,(F(a)).(F(a)h+d(h).(h))+Q(k).(Fa).h+ Tyr non nonjumen kak pry gepenymy - dugspepenyupobakaon' dnon Go B+. Flas. Nago gokarate no bot > Ta grunada O roemba B Konye — Se usokenno nance, a Bce Grojer Ujnep. Bourons zyema garazannoù remnoù:

to 21 GALDY2 G(F(a+h))=G(F(a))+G'(F(a)).F'(a).h+G'(F(a)).J(h)ht + B(K). [F'cal. h + x(h)/h/] I: 6'(F(a)), L(h)|h| = CG'(b) - 12(h)(.1h) $|F'(a) \cdot h + L(h)|h|| \leq |F'(a)h| + |L(h)|h|| + |L(h)|h||h|| + |L(h)|h||h|| + |L(h)|h|| + |L(h)|h||h|| + |L(h)|h|| + |L(h)|h||h|| + |L(h$ 11 = (3(a) deposited to)

13(e) 1. (CF(a) +2(h) / h)

50

Utaro:

1 + 1 ->0 => [+1] - Seckoperko hange

2) po pryra couraes a biexpouro