Periotion for multi-démendend lase olet $\begin{bmatrix} A B \\ C D \end{bmatrix}$ = clet $\begin{bmatrix} A & B \\ O & D-CA^{-1}B \end{bmatrix}$ Daning A is invertable = alet A olet [D-CA"B] $\frac{\partial}{\partial k} = \begin{bmatrix} 1 - QH + UI - UI \\ J & 0 \end{bmatrix} \begin{bmatrix} J_k \\ J_{k-1} \end{bmatrix}$ Let old $\left[\begin{array}{cc} 2-\alpha H+u \\ 1 \end{array}\right] - v \right] = 0$. From 111 we have. det [-x]+[]-x])det [-x]+[]-x[]+u]-x]]u)=0 For the second det, we have $\lambda^2 l - \lambda [l - \alpha \beta l + ul] + ul] = 0$ [x1-\frac{1}{2}(1-df+u])]2=\frac{1}{4}(1-aH+u])[(1-dH+u])-u] If the dangest eigenvalue & 2 Ju, we have ₹(2-αH+U]) T(1-dH+U]) - U] is regatione semidefinite. Then we have ||x|| = Tu (2) again for multi-dinonsional cone · Ob (2) (=) -2 Ju] < 1- aH + n] < Ju] <=>(1-Ju) = d o(H) = (HJu)