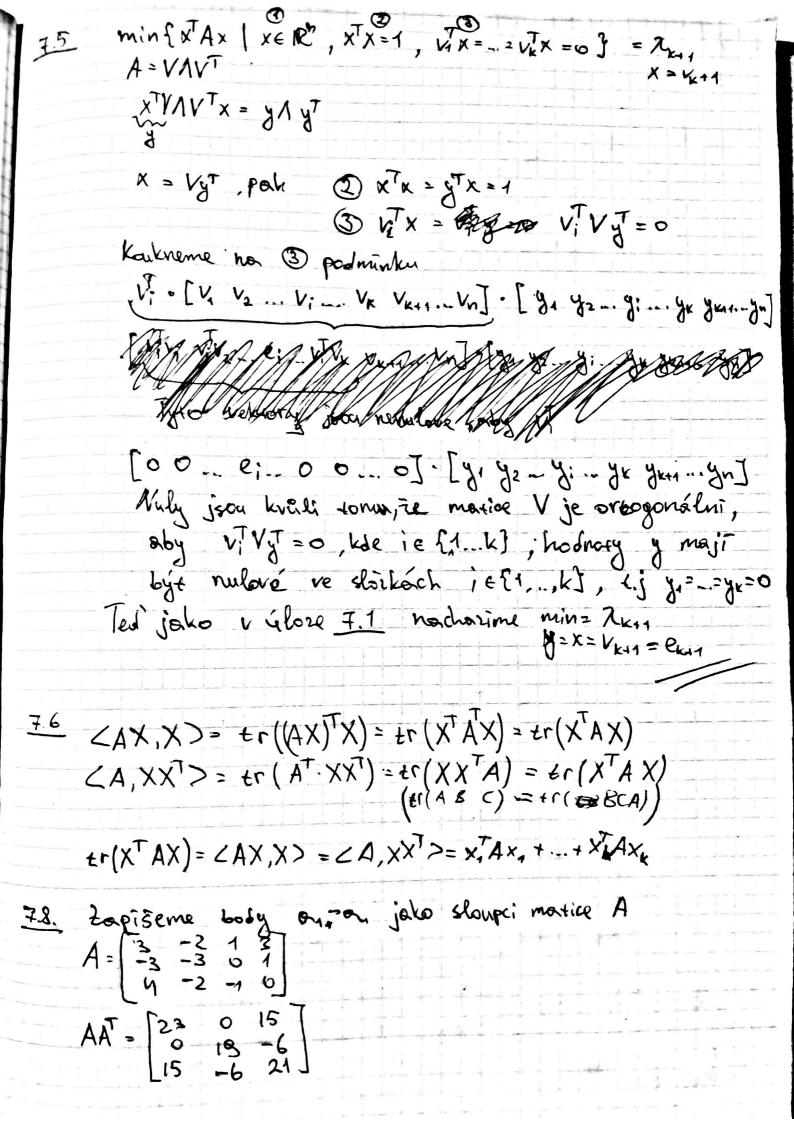
CVIOG 7.1 max {xTAx | x ∈ R", xTx = 1} A = VAVT TRAK = XTVAVTX = YAYT y=xTV, V je ortogonélní, pak XT = yVT , X > VyT xTx = yVTVyT = yyT = yTy = 1 ekviv. max { y / y + / g e /R", y Ty = 1 } = max { 2, y, 2 + ... 2 ny } | ge R" 912792 + ... + yn =19 Vlastni čisla serazený vzestupně, pak max = 2n 7.3 minfy/1y/yTy=1]= 1, y λy = λι yı + ··· + ληyη jsou Vlasini cisla λι...λη sirazena 7, je minimalist dislo the same of the sa Maime také splnis podninku y, + .. + gn² = 1. Aby hodnota Vyrazu byla minimalni, mame zvolje y = e1. Pak 2, y,² = 24



AAT = VNV
$$V = \begin{bmatrix} -0.69 & -0.61 & -0.82 \\ -0.69 & 0.31 & -0.68 \end{bmatrix}$$
 $V = \begin{bmatrix} -0.69 & 0.31 & -0.68 \\ -0.69 & 0.31 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.32 & 0.31 & -0.68 \\ -0.69 & 0.31 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.32 & 0.32 & 0.52 \\ -0.65 & 0.32 & 0.62 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.38 \\ -0.61 & -0.52 \\ 0.31 & -0.52 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.38 \\ 0.31 & -0.52 \\ 0.71 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.38 \\ 0.31 & -0.52 \\ 0.71 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.38 \\ 0.31 & -0.52 \\ 0.71 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.38 \\ 0.31 & -0.52 \\ 0.71 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} -0.61 & -0.32 \\ 0.71 & 0.68 \\ 0.71 & 0.71 \end{bmatrix}$
 $V = \begin{bmatrix} -0.82 & 0.61 \\ -0.83 & 0.61 \\ 0.083 & 0.68 \end{bmatrix}$
 $V = \begin{bmatrix} 0.6 & 0.61 \\ -0.83 & 0.62 \\ 0.083 & 0.5333 \end{bmatrix}$
 $V = \begin{bmatrix} 0.6 & 0.61 \\ -0.83 & 0.62 \\ 0.9333 & 0.5333 \end{bmatrix}$
 $V = \begin{bmatrix} 0.6 & 0.61 \\ -0.8333 & 0.5333 \end{bmatrix}$

min Ind sal