Calculate $\mu_{\infty}(\mathbf{A})$ when $\mathbf{A}=\left(\begin{array}{rrrr}-3 & 2 & -8 & 4 \\ 4 & 2 & 2 & -6 \\ 1 & 1 & -4 & 1 \\ 2 & 0 & 1 & -3\end{array}\right)$
Answer: $\mu_{\infty}(\mathbf{A})=14$.
5. The equations

$$
\left\{\begin{array}{l}
x=x \exp (y)-\sin (x)+0.09 \\
y=0.1 \exp (x)-y^{2}
\end{array}\right.
$$

have one solution in the neighbourhood of $(0,0)$. Calculate this solution to 6 significant digits.

Answer : $x=0.100832, y=0.100507$.
6. A FORTRAN programmer cannot find the last remaining error in his program: he wants to write the text " 3 A " but surprisingly gets " $(\mathrm{y}$ ". In the control program below this error appears. Find the error and correct it.

INTEGER IS,RNI
DATA IS/2H3A/
RN1 = IS
WRITE $(5,100)$ RN1
100 FORMAT(1X,A2)
END

Answer: RN1 is not declared and thus becomes REAL. In the statement RN1 = IS the INTEGER is converted into REAL format. The text is destroyed this way, RN1 has another configuration than IS. Replace RN1 by RNI.

## ERRATUM

BIT 22: 4, p. 539, Problem 1:
for $x^{2} / a+4 / x=1 \mathrm{read} x^{2} / a-4 / x=1$.

