

Ex. 1.

$$\begin{cases}
F(x,y) = 2x^{3} - y^{2} - 1 = 0 \\
Ca(x,y) = xy^{3} - y^{4} = 0
\end{cases}$$

$$x_{0} = 1, 2$$

$$y_{0} = 1, 7$$

$$T(1,2; 1,7) = \begin{bmatrix} 8,6^{1} & -3,4^{1} & -2,4^{1} \\ 4,91 & 94^{1} \end{bmatrix} = 97,91$$

$$x_{1} = 1, 2 - \frac{1}{97,91} \begin{vmatrix} -0,434 & -3,4^{1} & -1,2349, \\ 91,91 & 91,556 & 94^{1} \end{vmatrix} = 1,2349,$$

$$y_{1} = 1, 7 - \frac{1}{37,91} \begin{vmatrix} 8,64 & -0,434 & -1,2349, \\ 4,91 & 91356 \end{vmatrix} = 1,6610$$

$$\Delta_{x} = \begin{bmatrix} 1,2349 & -1,2 & -1,2 & -1,2349, \\ 4,91 & 91356 \end{vmatrix} = 1,6610$$

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The Method of simple iteration for SNBE.

$$\sum_{x} F_{1}(x,y) = 0, \qquad (a)$$

$$\sum_{x} F_{2}(x,y) = 0, \qquad (a)$$

$$\int_{x} x = 4, (x,y) = 0, \qquad (a)$$



