Examen volus Calcul Numeria

$$\begin{array}{c} \begin{array}{c} 1 & -\frac{1}{2} \\ 0 & 1 \\ 0 & 0 \\ 0 & 0 \\ \end{array} \end{array} \begin{array}{c} \begin{array}{c} \frac{1}{3} \\ \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array} \begin{array}{c} 1 & \frac{1}{3} \\ 0 \\ 0 \\ 0 \\ \end{array}$$

(2)

$$= |A| = |A$$

? P2(7) foborind metoda Newton en diferente direisente relative la direisempa (0,3,5)

$$\frac{4}{5}(24) = \frac{3}{5}(24) =$$

;	[1,]]	PEXIAXi	(**1)
4	4		
3	735	2 131	
3	2729	7297	752

$$f[0] = f(0) = 4$$

$$f[3] = f(3) = 8+3 \cdot 64 - 15 \cdot 9 = 13 \cdot 5$$

$$f[5] = f(5) = 32 + 3 \cdot 7024 - 75 \cdot 25 = 2729$$

$$f[0] = f(3) - f(0) = \frac{731}{3}$$

$$f[3,5) = f(5) - f(3) = 1294$$

$$f[0,3,5] = \frac{5-3}{f[3,5]-1[0,3]} = \frac{452}{3}$$

$$P_{2}(x)=4+\frac{731}{3}(x-0)+\frac{452}{3}(x-0)(x-3)=4+\frac{731}{3}+\frac{4524}{3}$$

$$\begin{array}{l}
\lambda = -1 - (-4) = 1 \\
\frac{x}{3} \gamma = -4 + 3 \lambda = -1 \\
\lambda = -1 \\
= \frac{1}{2} \left(\frac{1}{2} (-4) + 2 \frac{1}{2} (-3) + 2 \frac{1}{2} (-2) + \frac{1}{2} (-1) \right) = \\
= \frac{1}{2} \left(\frac{1}{3} 1072 - 65536 - 1024 + 1536 \right) + 2 \left(\frac{1}{3} 122 - 8748 - 243 + 486 \right) \\
+ 2 \left(\frac{5}{1} 2 - 512 - 32 + 96 \right) + \left(2 - 4 - 1 + 6 \right) \\
= \frac{1}{2} \left(66048 + 9234 + 128 + 3 \right) = \frac{75413}{2} = 37706 + 5 \\
8 1 E = 11 - 1 \\
8 1 E = 11 -$$