MECH 6300-HW3 i) (AY/ey-Hamilton Therem Method  $B_{1}A = \begin{vmatrix} -2e^{+} + \frac{5}{2}e^{2t} - \frac{1}{2}e^{t} \\ -20e^{+} + 25e^{2t} - 5e^{4t} \end{vmatrix} - 4e^{+} + 5e^{2t} - e^{4t} = 0$ 0 -10e+ 35ex-5e4+ -8e+ +10er-2e4  $\beta_{2}A = \frac{1}{3}e^{+} - \frac{1}{3}e^{3} + \frac{1}{3}e^{4} + \frac{1}{3}e^{$