Ten: vong vinh Phù A via X AX co and dath du trug, on ring, le dus:

\* characteristic polynomial P-1(z)= det (zI-XAX = det (x (zI-A) x) = elet (x-1) det (zt-A) det (x) - det (2I-A) \* eigervalues  $\begin{array}{c|c} V_1 & P & J & (Z) = P & (Z) \\ X & AX & A \end{array}$ ner to to the mag A Sac do P (A) =0
P + (A) = 0 elo ele+ (ZT - x Ax) = ds(ZI-A)

\* algebraic maltiplicaty

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C cap mxn man cor cue no tae that ca se on, gree kg reig &x: Ax = Xx q kb dè te cé ma très unou vous  $m-h) \approx (M-h)$ DE. VO Boi De P

or organalue plant A = x x x ta ma tra So M