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Viggo nalisation
1. A 15 similar to B if there's invertible matrix such that A = PBPT
           A=PBP+(=) P-AP=(P-P)B(P-P)(=) B=P-AP
2. If A, B are Girilar, they have same characteristic polynomial and eigenvalue
      prove: B= PHAP
                B-NI = PTAP - YPTP = PT (AP - XP) = PT (A-NI)P
                dee (B-NI) = det PT) dee (H-NI) dee (P) = det (A-NI)
3. Why diagonalised? To tond AK
        A^{k} = X (X^{-1}X) \Lambda (X^{-1}X) \Lambda (X^{-1} - \dots - X) \Lambda X^{-1} = X \Lambda^{k} X^{-1}
    Dragonalize the matrix (nxn)
        step 1. Fmd eigenvalues c1, c2- cm
        step 2: Find eigenvertors => figure linearly independent => diagonalizable

vi. vi. vi. -Vn
         Step 3: \chi = \begin{bmatrix} \overline{v_1}, \overline{v_2}, --\overline{v_n} \end{bmatrix} \Lambda = \begin{bmatrix} \overline{v_1} & \overline{v_2} & \overline{v_2} \\ \overline{v_1} & \overline{v_2} & \overline{v_2} \\ \overline{v_1} & \overline{v_2} & \overline{v_2} \end{bmatrix}
                        A=X/X
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