

Name: Athany Mundhe RO11 no: 16010121118 (B2) To verify that eigen vectors of A are linearly independant: 10 11 Kp + 0 + 0 - 0 01 01 P 011 + KOH OF= 01 00 +00+kg=0 · K,=0, kg=0, kg=0 Hence proveduce According to the given condition, (A= Ta boc] 3 PPR Capeb eoop P = 9 10 11 3VOR9 ST 10 11 9 0P+9-290C-E9 PRE PRE MORO 10 JOR OMP PAR Characteristic egn of p is 1(P-XI)=0 CO8 :123-5,22+5,27-100 =0 800P S; = trace = 19+11+10 = \$20 So = 11 9 + 10019 + 10 11 0P0 09 10 01 11 1100 11 9 = 299+++(-31)0. (P) = -90 horas · 18-2012-1+90=0

