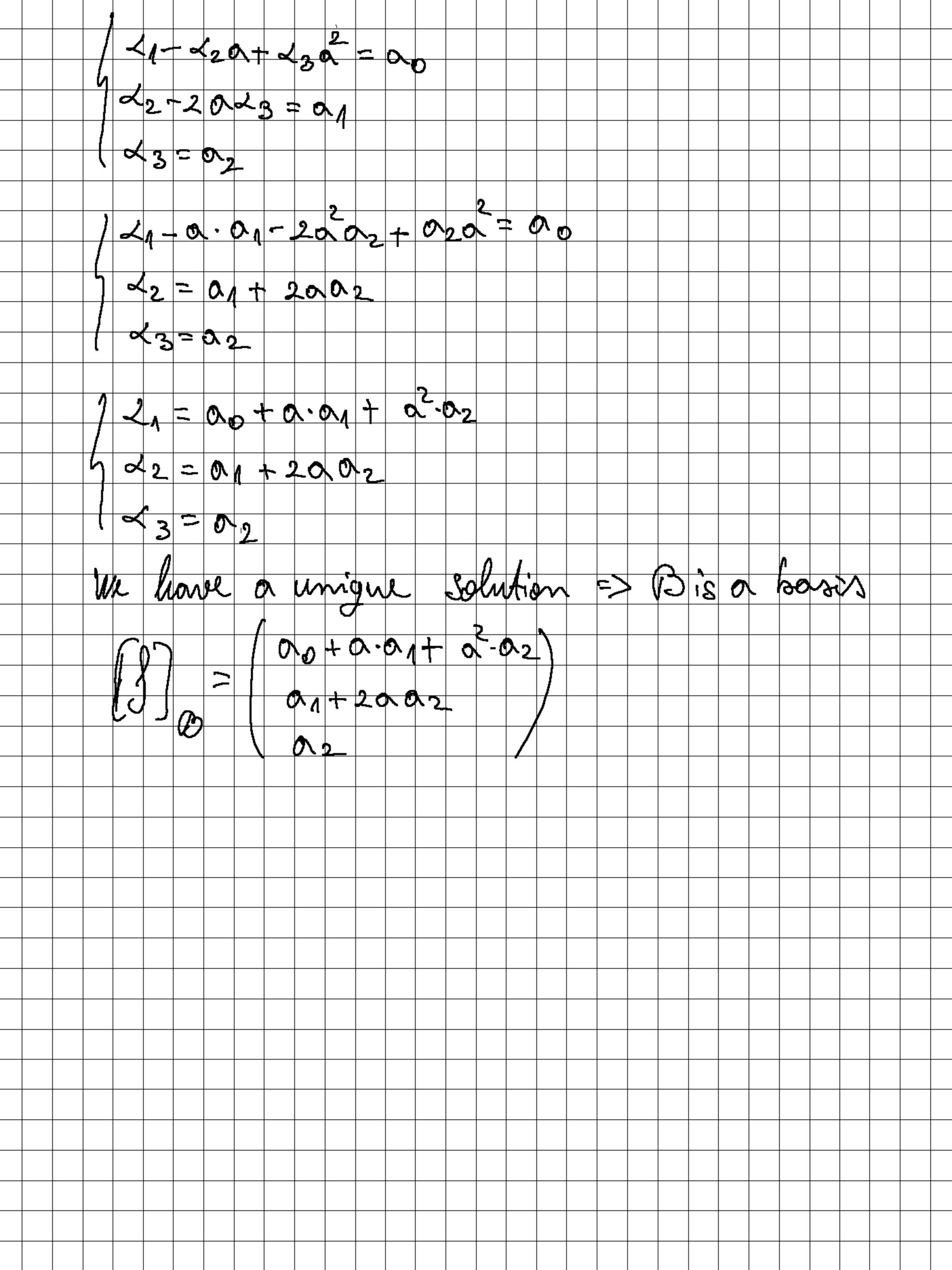
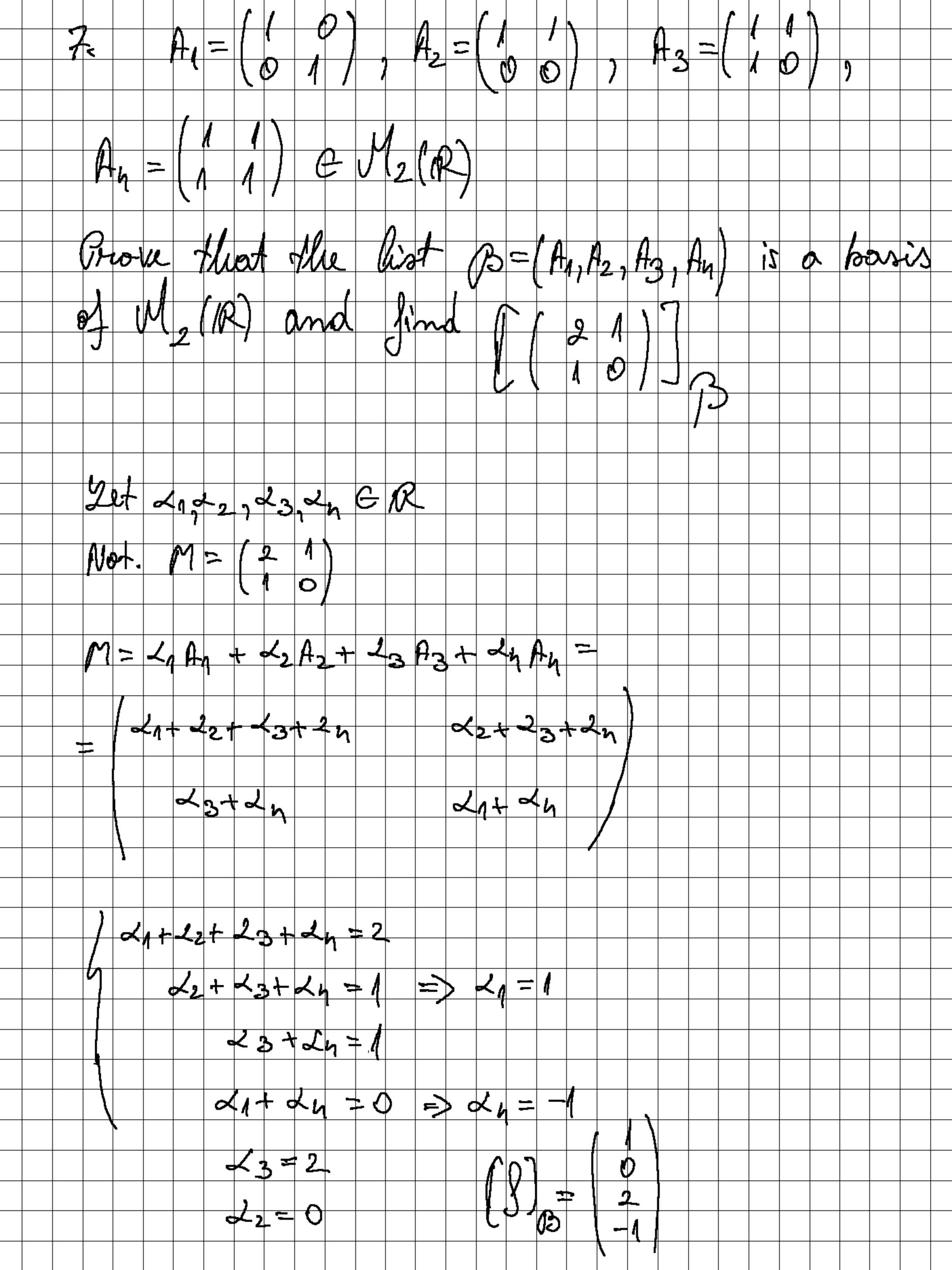


lin. indep. 2et a, a, e, R sit. a. 1+ a, x + a. x = 0 00=01=0=> E hin. ind 2. System. gen. 2ut 1= 00+01X+02x2 J= 41-21-12 + 23-13 = = 21.1 + 22. X + -43x2 2=01 => E-Sys. of generators 10000 O =-11V1+ x2 N2 + 23N3 21. (+ 22 (K-0) + 23. (X-0) 1 = 21 1 + 2x - 20 + 23 X - 20x · 2x + 23





= 2---- unigue $\frac{1}{\sqrt{1-2}} = (1,-2,0,1), \sqrt{2} = (2,1,1,0), \sqrt{3} = (0,0,1,2) \in \mathbb{R}$ Find a E/R s.t. v, vz, v3 are linearly dyundent -2 = 5 # 0 => Rank A = 2 V1, N2, N3 linearly dyundent & stank A = 3

