







C1-C2=0 C1 - C2 Vectors & 1,-13 are linearly dependent C2=0 Vectors { 1, x2} are linearly independent C1+C2=0 C1=0 Vector { | 1+x2} are linearly independent + C3 C1-C3-0 C1-C3 C, = C2 = C3 Vectors { 1+ x, x2, -1-x-x2} are linearly dependent $C_1 + C_3 = 0$ $C_1 = 0$ $C_2 + C_3 = 0$ $C_3 = 0$ $C_2 = 0$ Vectors {1+x, x2, 1+x2} are linearly independent 4. The results from I and 2 are equivalent because the same as the vectors in I