

(1) Solve the system

$$x_1 + 2x_2 = 3$$

$$4x_1 + 5x_2 = 6$$

$$7x_1 + 8x_2 = 9$$

(2) Solve the system

$$x_1 + x_2 + 2x_3 = 3$$

$$4x_1 + 4x_2 + 5x_3 = 6$$

$$7x_1 + 7x_2 + 8x_3 = 10$$

(3) Solve the system

$$x_1 + 2x_2 + 3x_3 = 4$$

$$5x_1 + 6x_2 + 7x_3 = 8$$

$$9x_1 + 10x_2 + 11x_3 = 12$$

$$13x_1 + 14x_2 + 15x_3 = 16$$