x: $0 + 4 + 4(2 + a_1) = 24$
y: $0 + 8 + 4(-4 + b_1) = 16$
z: $2 + 10 + 4(-5 + c_1) = 12$

x: $4(2 + a_1) = 20$
y: $4(-4 + b_1) = 8$
z: $4(-5 + c_1) = 0$

x: $a_1 = 3$
y: $b_1 = 6$
z: $c_1 = 5$

Ответ: 365