

Задача 2. 6. Доказать, что векторы $\vec{a}, \vec{b}, \vec{c}$ образуют базис в пространстве V_3 . Найти координаты вектора $\vec{d}$ в этом базисе.

Вариант	$\vec{a}$	$\vec{b}$	$\vec{c}$	$\vec{d}$
1	(5, 4, 1)	(-3, 5, 2)	(2, -1, 3)	(7, 23, 4)
2	(2, -1, 4)	(-3, 0, -2)	(4, 5, -3)	(0, 11, -14)
3	(-1, 1, 2)	(2, -3, -5)	(-6, 3, -1)	(28, -19, -7)
4	(1, 3, 4)	(-2, 5, 0)	(3, -2, -4)	(13, -5, -4)
5	(1, -1, 1)	(-5, -3, 1)	(2, -1, 0)	(-15, -10, 5)
6	(3, 2, 1)	(-7, -2, -4)	(-4, 0, 3)	(16, 6, 15)
7	(-3, 0, 1)	(2, 7, -3)	(-4, 3, 5)	(-16, 33, 13)
8	(5, 1, 2)	(-2, 1, -3)	(4, -3, 5)	(15, -15, 24)
9	(0, 2, -3)	(4, -3, -2)	(-5, -4, 0)	(-19, -5, -4)
10	(3, -1, 2)	(-2, 3, 1)	(4, -5, -3)	(-3, 2, -3)
11	(5, 3, 1)	(-1, 2, -3)	(3, -4, 2)	(-9, 34, -20)
12	(3, 1, -3)	(-2, 4, 1)	(1, -2, 5)	(1, 12, -20)
13	(6, 1, -3)	(-3, 2, 1)	(-1, -3, 4)	(15, 6, -17)
14	(4, 2, 3)	(-3, 1, -8)	(2, -4, 5)	(-12, 14, -31)
15	(-2, 1, 3)	(3, -6, 2)	(-5, -3, -1)	(31, -6, 22)
16	(1, 3, 6)	(-3, 4, -5)	(1, -7, 2)	(-2, 17, 5)
17	(7, 2, 1)	(5, 1, -2)	(-3, 4, 5)	(26, 11, 1)
18	(3, 5, 4)	(-2, 7, -5)	(6, -2, 1)	(6, -9, 22)
19	(5, 3, 2)	(2, -5, 1)	(-7, 4, -3)	(36, 1, 15)
20	(11, 1, 2)	(-3, 3, 4)	(-4, -2, 7)	(-5, 11, -15)
21	(9, 5, 3)	(-3, 2, 1)	(4, -7, 4)	(-10, -13, 8)
22	(7, 2, 1)	(3, -5, 6)	(-4, 3, -4)	(-1, 18, -16)
23	(1, 2, 3)	(-5, 3, -1)	(-6, 4, 5)	(-4, 11, 20)
24	(-2, 5, 1)	(3, 2, -7)	(4, -3, 2)	(-4, 22, -13)
25	(3, 1, 2)	(-4, 3, -1)	(2, 3, 4)	(14, 14, 20)
26	(3, -1, 2)	(-2, 4, 1)	(4, -5, -1)	(-5, 11, 1)
27	(4, 5, 1)	(1, 3, 1)	(-3, -6, 7)	(19, 33, 0)
28	(1, -3, 1)	(-2, -4, 3)	(0, -2, 3)	(-8, -10, 13)
29	(5, 7, -2)	(-3, 1, 3)	(1, -4, 6)	(14, 9, -1)
30	(-1, 4, 3)	(3, 2, -4)	(-2, -7, 1)	(6, 20, -3)