

найти норму $X, Y, X+Y$

$$X = -A_{(1,1)} A_1 + E_{(1,3)} E_1$$

$$Y = C_{(1,3)} C_1 - D_{(1,2)} D_1$$

(* Условия ДЗ 1*)

(* вычисление нормы в R^3 , заданной многогранником *)

(* описание задания в файлах "лекция 1" ,

~~"план дз 1" и "формирование многогранника"*)~~

D_1 E_1 G_1 A_1 B_1 C_1
{ (*1*) { {8, 11, 0}, {7, 0, 10}, {0, 12, 9}, {19, 0, 0}, {0, 13, 0}, {0, 0, 17}},

(*2*) { {8, 10, 0}, {12, 0, 11}, {0, 7, 9}, {13, 0, 0}, {0, 19, 0}, {0, 0, 16}},

(*3*) { {12, 8, 0}, {10, 0, 7}, {0, 9, 11}, {19, 0, 0}, {0, 11, 0}, {0, 0, 12}},

(*4*) { {9, 8, 0}, {7, 0, 12}, {0, 11, 10}, {14, 0, 0}, {0, 11, 0}, {0, 0, 14}},

(*5*) { {10, 12, 0}, {7, 0, 11}, {0, 9, 8}, {11, 0, 0}, {0, 14, 0}, {0, 0, 18}},

(*6*) { {7, 11, 0}, {9, 0, 8}, {0, 12, 10}, {21, 0, 0}, {0, 16, 0}, {0, 0, 12}},

(*7*) { {10, 12, 0}, {8, 0, 7}, {0, 11, 9}, {13, 0, 0}, {0, 20, 0}, {0, 0, 20}},

(*8*) { {12, 9, 0}, {10, 0, 8}, {0, 7, 11}, {11, 0, 0}, {0, 25, 0}, {0, 0, 12}},

(*9*) { {12, 9, 0}, {10, 0, 7}, {0, 11, 8}, {15, 0, 0}, {0, 12, 0}, {0, 0, 14}},
 D_1 E_1 G_1 A_1 B_1 C_1
(*10*) { {9, 12, 0}, {10, 0, 8}, {0, 11, 7}, {17, 0, 0}, {0, 18, 0}, {0, 0, 10}},

(*11*) { {8, 9, 0}, {12, 0, 10}, {0, 7, 11}, {12, 0, 0}, {0, 17, 0}, {0, 0, 9}},

(*12*) { {10, 7, 0}, {9, 0, 11}, {0, 8, 12}, {16, 0, 0}, {0, 11, 0}, {0, 0, 16}},

(*13*) { {11, 10, 0}, {12, 0, 7}, {0, 9, 8}, {16, 0, 0}, {0, 13, 0}, {0, 0, 21}},

(*14*) { {10, 7, 0}, {12, 0, 8}, {0, 9, 11}, {18, 0, 0}, {0, 12, 0}, {0, 0, 9}},

(*15*) { {12, 7, 0}, {8, 0, 11}, {0, 10, 9}, {14, 0, 0}, {0, 15, 0}, {0, 0, 22}},

(*16*) { {10, 9, 0}, {12, 0, 7}, {0, 11, 8}, {17, 0, 0}, {0, 15, 0}, {0, 0, 15}},

(*17*) { {7, 11, 0}, {10, 0, 8}, {0, 9, 12}, {13, 0, 0}, {0, 13, 0}, {0, 0, 13}},

(*18*) { {10, 12, 0}, {11, 0, 8}, {0, 7, 9}, {12, 0, 0}, {0, 14, 0}, {0, 0, 15}},

(*19*) { {9, 7, 0}, {11, 0, 8}, {0, 12, 10}, {22, 0, 0}, {0, 18, 0}, {0, 0, 10}},
 D_1 E_1 G_1 A_1 B_1 C_1
(*20*) { {8, 12, 0}, {9, 0, 11}, {0, 10, 7}, {12, 0, 0}, {0, 15, 0}, {0, 0, 21}},

(*21*) { {7, 8, 0}, {10, 0, 9}, {0, 11, 12}, {23, 0, 0}, {0, 14, 0}, {0, 0, 13}},

(*22*) { {7, 11, 0}, {8, 0, 9}, {0, 12, 10}, {11, 0, 0}, {0, 14, 0}, {0, 0, 31}},

(*23*) { {10, 12, 0}, {7, 0, 11}, {0, 8, 9}, {9, 0, 0}, {0, 18, 0}, {0, 0, 15}},

(*24*) { {12, 10, 0}, {11, 0, 8}, {0, 7, 9}, {22, 0, 0}, {0, 14, 0}, {0, 0, 12}};