Индивидуальное задание 12.

Составить матрицу квадратичной формы $Q(x, y, z)$ и привести ее к каноническому виду с помощью перехода к новому базису из собственных векторов. Векторы выводить на экран не нужно. Вывести на экран матрицу в исходном виде и канонической форме, а также саму квадратичную форму в каноническом виде.

Вариант N 1

$$Q = -23209x^2 + 30\sqrt{91}xy - 7164\sqrt{6}xz + 17725y^2 - 60\sqrt{546}yz + 17984z^2$$

Вариант N 2

$$Q = -16664x^2 - 60\sqrt{91}xy - 836\sqrt{21}xz - 10225y^2 + 210\sqrt{39}yz - 13111z^2$$

Вариант N 3

$$Q = 39301x^2 - 60\sqrt{11}xy + 4194\sqrt{11}xz - 20100y^2 + 1980yz - 29201z^2$$

Вариант N 4

$$Q = 3581x^2 + 60\sqrt{3}xy + 114\sqrt{11}xz + 1100y^2 - 180\sqrt{33}yz + 1719z^2$$

Вариант N 5

$$Q = -178x^2 + 6\sqrt{21}xy - 244\sqrt{3}xz + 137y^2 - 18\sqrt{7}yz + 66z^2$$

Вариант N 6

$$Q = 928x^2 + 80\sqrt{21}xy + 72\sqrt{21}xz - 300y^2 - 840yz + 622z^2$$

Вариант N 7

$$Q = -628x^2 + 180\sqrt{3}xy - 172\sqrt{21}xz - 175y^2 - 270\sqrt{7}yz + 103z^2$$

Вариант N 8

$$Q = -42359x^2 + 180\sqrt{11}xy - 5094\sqrt{91}xz + 25100y^2 - 60\sqrt{1001}yz + 27259z^2$$

Вариант N 9

$$Q = 1381x^2 - 60\sqrt{3}xy + 114\sqrt{11}xz + 100y^2 + 180\sqrt{33}yz - 481z^2$$

Вариант N 10

$$Q = -4554x^2 + 60\sqrt{11}xy - 1696\sqrt{21}xz + 1900y^2 - 30\sqrt{231}yz + 2654z^2$$

Вариант N 11

$$Q = -1654x^2 + 60\sqrt{11}xy - 596\sqrt{21}xz - 975y^2 - 30\sqrt{231}yz + 879z^2$$

Вариант N 12

$$Q = 192x^2 + 16\sqrt{21}xy + 66\sqrt{3}xz - 43y^2 - 48\sqrt{7}yz + 126z^2$$

Вариант N 13

$$Q = -14899x^2 - 40\sqrt{6}xy - 606\sqrt{11}xz - 2600y^2 + 120\sqrt{66}yz - 5001z^2$$

Вариант N 14

$$Q = 1504x^2 - 80\sqrt{6}xy + 484\sqrt{6}xz + 900y^2 + 960yz - 1279z^2$$

Вариант N 15

$$Q = 3971x^2 + 40\sqrt{6}xy + 404\sqrt{21}xz + 1275y^2 - 60\sqrt{14}yz + 2254z^2$$

Вариант N 16

$$Q = -69873x^2 - 180\sqrt{91}xy - 762\sqrt{11}xz - 32700y^2 + 540\sqrt{1001}yz - 57427z^2$$

Вариант N 17

$$Q = -6483x^2 + 360\sqrt{21}xy - 678\sqrt{91}xz - 1300y^2 - 840\sqrt{39}yz + 2783z^2$$

Вариант N 18

$$Q = 16381x^2 - 270\sqrt{91}xy + 4476\sqrt{6}xz + 7975y^2 + 540\sqrt{546}yz - 9356z^2$$

Вариант N 19

$$Q = -59819x^2 - 540\sqrt{91}xy - 1086\sqrt{11}xz + 31900y^2 + 1620\sqrt{1001}yz - 42081z^2$$

Вариант N 20

$$Q = -44301x^2 + 60\sqrt{11}xy - 4194\sqrt{11}xz + 15100y^2 - 1980yz + 24201z^2$$

Вариант N 21

$$Q = -4879x^2 + 40\sqrt{6}xy - 1996\sqrt{21}xz + 5025y^2 - 60\sqrt{14}yz + 3604z^2$$

Вариант N 22

$$Q = -3451x^2 + 900\sqrt{3}xy - 366\sqrt{91}xz - 900y^2 - 300\sqrt{273}yz + 1551z^2$$

Вариант N 23

$$Q = -232x^2 + 60\sqrt{3}xy - 68\sqrt{21}xz - 25y^2 - 90\sqrt{7}yz + 57z^2$$

Вариант N 24

$$Q = -5953x^2 - 240\sqrt{21}xy - 198\sqrt{91}xz + 450y^2 + 560\sqrt{39}yz - 3247z^2$$

Вариант N 25

$$Q = 889x^2 + 30\sqrt{3}xy + 44\sqrt{6}xz + 475y^2 - 180\sqrt{2}yz + 636z^2$$

Вариант N 26

$$Q = 2783x^2 + 180\sqrt{3}xy + 102\sqrt{11}xz - 700y^2 - 540\sqrt{33}yz + 1117z^2$$

Вариант N 27

$$Q = 7413x^2 + 60\sqrt{21}xy + 348\sqrt{6}xz + 4050y^2 - 360\sqrt{14}yz + 5412z^2$$

Вариант N 28

$$Q = -3808x^2 + 80\sqrt{6}xy - 1192\sqrt{21}xz + 1300y^2 - 120\sqrt{14}yz + 1258z^2$$

Вариант N 29

$$Q = -6813x^2 - 60\sqrt{21}xy - 248\sqrt{6}xz - 4050y^2 + 360\sqrt{14}yz - 5387z^2$$

Вариант N 30

$$Q = -5854x^2 + 20\sqrt{21}xy - 1584\sqrt{6}xz + 3225y^2 - 120\sqrt{14}yz + 3254z^2$$

Вариант N 31

$$Q = -2203x^2 + 36\sqrt{11}xy - 2794\sqrt{3}xz + 812y^2 - 36\sqrt{33}yz + 591z^2$$

Вариант N 32

$$Q = -4179x^2 + 1140\sqrt{3}xy - 414\sqrt{91}xz - 1700y^2 - 380\sqrt{273}yz + 1479z^2$$

Вариант N 33

$$Q = -5851x^2 + 30\sqrt{11}xy - 1596\sqrt{6}xz + 1275y^2 - 60\sqrt{66}yz + 3326z^2$$

Вариант N 34

$$Q = 1491x^2 + 100\sqrt{3}xy + 54\sqrt{11}xz - 400y^2 - 300\sqrt{33}yz + 609z^2$$

Вариант N 35

$$Q = 4047x^2 + 204\sqrt{91}xy + 706\sqrt{3}xz - 2588y^2 - 204\sqrt{273}yz + 3341z^2$$

Вариант N 36

$$Q = -11627x^2 + 90\sqrt{91}xy - 3492\sqrt{6}xz + 3175y^2 - 180\sqrt{546}yz + 8452z^2$$

Вариант N 37

$$Q = 7248x^2 + 360\sqrt{6}xy + 168\sqrt{91}xz - 2200y^2 - 120\sqrt{546}yz + 4952z^2$$

Вариант N 38

$$Q = 1263x^2 + 80\sqrt{21}xy + 112\sqrt{21}xz - 175y^2 - 840yz + 787z^2$$

Вариант N 39

$$Q = 4991x^2 + 110\sqrt{6}xy + 54\sqrt{11}xz - 2225y^2 - 330\sqrt{66}yz + 4109z^2$$

Вариант N 40

$$Q = -10509x^2 + 30\sqrt{91}xy - 2964\sqrt{6}xz + 5225y^2 - 60\sqrt{546}yz + 6534z^2$$

Вариант N 41

$$Q = 72471x^2 + 1620\sqrt{91}xy + 1686\sqrt{91}xz - 26900y^2 - 49140yz + 49429z^2$$

Вариант N 42

$$Q = 664x^2 + 20\sqrt{3}xy + 36\sqrt{21}xz + 425y^2 - 30\sqrt{7}yz + 511z^2$$

Вариант N 43

$$Q = 53x^2 + 4\sqrt{3}xy + 6\sqrt{3}xz + 36y^2 - 12yz + 47z^2$$

Вариант N 44

$$Q = 21592x^2 + 180\sqrt{91}xy + 908\sqrt{21}xz + 10675y^2 - 630\sqrt{39}yz + 17733z^2$$

Вариант N 45

$$Q = 4698x^2 - 120\sqrt{21}xy + 1552\sqrt{21}xz - 2175y^2 + 1260yz - 1898z^2$$

Вариант N 46

$$Q = -2427x^2 + 36\sqrt{91}xy - 3146\sqrt{3}xz + 1308y^2 - 36\sqrt{273}yz + 719z^2$$

Вариант N 47

$$Q = -674x^2 - 40\sqrt{21}xy - 76\sqrt{21}xz + 150y^2 + 420yz - 351z^2$$

Вариант N 48

$$Q = -12453x^2 + 90\sqrt{91}xy - 1698\sqrt{91}xz + 9200y^2 - 2730yz + 10753z^2$$

Вариант N 49

$$Q = 523x^2 - 96\sqrt{21}xy + 754\sqrt{3}xz + 208y^2 + 288\sqrt{7}yz - 231z^2$$

Вариант N 50

$$Q = 2791x^2 + 108\sqrt{11}xy + 418\sqrt{3}xz - 1364y^2 - 108\sqrt{33}yz + 2373z^2$$

Вариант N 51

$$Q = 19887x^2 + 390\sqrt{11}xy + 452\sqrt{6}xz - 14675y^2 - 780\sqrt{66}yz + 17288z^2$$

Вариант N 52

$$Q = -22421x^2 - 40\sqrt{21}xy - 474\sqrt{11}xz - 12900y^2 + 120\sqrt{231}yz - 14679z^2$$

Вариант N 53

$$Q = 31288x^2 + 180\sqrt{11}xy + 1212\sqrt{21}xz + 17575y^2 - 90\sqrt{231}yz + 26137z^2$$

Вариант N 54

$$Q = 1093x^2 - 60\sqrt{3}xy + 138\sqrt{91}xz - 800y^2 + 20\sqrt{273}yz - 793z^2$$

Вариант N 55

$$Q = -49x^2 - 2\sqrt{3}xy - 4\sqrt{6}xz - 15y^2 + 12\sqrt{2}yz - 26z^2$$

Вариант N 56

$$Q = -6381x^2 - 60\sqrt{3}xy - 114\sqrt{11}xz - 3900y^2 + 180\sqrt{33}yz - 4519z^2$$

Вариант N 57

$$Q = -217x^2 - 16\sqrt{21}xy - 66\sqrt{3}xz + 18y^2 + 48\sqrt{7}yz - 151z^2$$

Вариант N 58

$$Q = 53x^2 - 20\sqrt{3}xy + 54\sqrt{3}xz + 12y^2 + 60yz - z^2$$

Вариант N 59

$$Q = -3579x^2 - 180\sqrt{3}xy - 126\sqrt{11}xz + 300y^2 + 540\sqrt{33}yz - 1521z^2$$

Вариант N 60

$$Q = -59793x^2 - 420\sqrt{11}xy - 1242\sqrt{11}xz + 29300y^2 + 13860yz - 39507z^2$$

Вариант N 61

$$Q = -5594x^2 - 60\sqrt{21}xy - 186\sqrt{11}xz + 25y^2 + 180\sqrt{231}yz - 2556z^2$$

Вариант N 62

$$Q = -76319x^2 - 180\sqrt{91}xy - 2454\sqrt{91}xz - 30900y^2 + 5460yz - 42781z^2$$

Вариант N 63

$$Q = -109881x^2 - 1140\sqrt{11}xy - 714\sqrt{11}xz + 88100y^2 + 37620yz - 98219z^2$$

Вариант N 64

$$Q = 3713x^2 + 60\sqrt{21}xy + 148\sqrt{6}xz + 1550y^2 - 360\sqrt{14}yz + 2862z^2$$

Вариант N 65

$$Q = 20336x^2 - 60\sqrt{91}xy + 7164\sqrt{21}xz - 15225y^2 + 210\sqrt{39}yz - 10111z^2$$

Вариант N 66

$$Q = 27383x^2 + 510\sqrt{11}xy + 468\sqrt{6}xz - 17075y^2 - 1020\sqrt{66}yz + 24692z^2$$

Вариант N 67

$$Q = 11717x^2 + 360\sqrt{21}xy + 522\sqrt{91}xz - 1300y^2 - 840\sqrt{39}yz + 4583z^2$$

Вариант N 68

$$Q = 17x^2 - 2\sqrt{3}xy + 4\sqrt{6}xz + 3y^2 + 12\sqrt{2}yz - 6z^2$$

Вариант N 69

$$Q = 5257x^2 + 360\sqrt{21}xy + 162\sqrt{91}xz - 2300y^2 - 840\sqrt{39}yz + 3043z^2$$

Вариант N 70

$$Q = 49x^2 + 8\sqrt{3}xy + 4\sqrt{6}xz - 15y^2 - 48\sqrt{2}yz + 26z^2$$

Вариант N 71

$$Q = -24959x^2 - 640\sqrt{6}xy - 246\sqrt{11}xz + 15900y^2 + 1920\sqrt{66}yz - 20941z^2$$

Вариант N 72

$$Q = -16133x^2 - 90\sqrt{11}xy - 78\sqrt{91}xz - 10050y^2 + 30\sqrt{1001}yz - 15067z^2$$

Вариант N 73

$$Q = 6686x^2 + 45\sqrt{91}xy + 126\sqrt{91}xz + 2725y^2 - 1365yz + 4964z^2$$

Вариант N 74

$$Q = 493x^2 - 24\sqrt{91}xy + 614\sqrt{3}xz + 228y^2 + 24\sqrt{273}yz - 121z^2$$

Вариант N 75

$$Q = 3693x^2 + 140\sqrt{6}xy + 228\sqrt{6}xz - 1700y^2 - 1680yz + 2382z^2$$

Вариант N 76

$$Q = -68927x^2 + 180\sqrt{91}xy - 6438\sqrt{11}xz + 12700y^2 - 540\sqrt{1001}yz + 36227z^2$$

Вариант N 77

$$Q = 6014x^2 + 60\sqrt{91}xy + 236\sqrt{21}xz + 2725y^2 - 210\sqrt{39}yz + 5011z^2$$

Вариант N 78

$$Q = 1112x^2 - 120\sqrt{6}xy + 388\sqrt{21}xz + 800y^2 + 180\sqrt{14}yz - 537z^2$$

Вариант N 79

$$Q = -106823x^2 - 3060\sqrt{91}xy - 2118\sqrt{91}xz + 64700y^2 + 92820yz - 77877z^2$$

Вариант N 80

$$Q = 7088x^2 + 180\sqrt{11}xy + 412\sqrt{21}xz - 2425y^2 - 90\sqrt{231}yz + 5337z^2$$

Вариант N 81

$$Q = 6748x^2 - 170\sqrt{6}xy + 762\sqrt{11}xz + 3950y^2 + 510\sqrt{66}yz - 5698z^2$$

Вариант N 82

$$Q = -6002x^2 - 480\sqrt{6}xy - 248\sqrt{21}xz + 2200y^2 + 720\sqrt{14}yz - 4948z^2$$

Вариант N 83

$$Q = 92x^2 - 6\sqrt{3}xy + 12\sqrt{91}xz - 70y^2 + 2\sqrt{273}yz - 72z^2$$

Вариант N 84

$$Q = 30021x^2 - 630\sqrt{11}xy + 9916\sqrt{6}xz + 21975y^2 + 1260\sqrt{66}yz - 26996z^2$$

Вариант N 85

$$Q = 171x^2 + 24\sqrt{3}xy + 6\sqrt{91}xz - 8\sqrt{273}yz + 89z^2$$

Вариант N 86

$$Q = -91x^2 - 8\sqrt{21}xy - 18\sqrt{3}xz + 4y^2 + 24\sqrt{7}yz - 73z^2$$

Вариант N 87

$$Q = 1072x^2 + 60\sqrt{3}xy + 28\sqrt{21}xz + 775y^2 - 90\sqrt{7}yz + 953z^2$$

Вариант N 88

$$Q = 6901x^2 + 180\sqrt{11}xy + 66\sqrt{91}xz - 3900y^2 - 60\sqrt{1001}yz + 5999z^2$$

Вариант N 89

$$Q = -159x^2 + 32\sqrt{6}xy - 242\sqrt{3}xz - 164y^2 - 96\sqrt{2}yz + 83z^2$$

Вариант N 90

$$Q = -20869x^2 + 480\sqrt{21}xy - 2754\sqrt{91}xz + 14100y^2 - 1120\sqrt{39}yz + 16769z^2$$

Вариант N 91

$$Q = 24949x^2 + 60\sqrt{11}xy + 306\sqrt{11}xz + 10100y^2 - 1980yz + 19951z^2$$

Вариант N 92

$$Q = -19197x^2 + 240\sqrt{21}xy - 2202\sqrt{91}xz + 10800y^2 - 560\sqrt{39}yz + 10897z^2$$

Вариант N 93

$$Q = 221x^2 + 30\sqrt{3}xy + 16\sqrt{6}xz - 25y^2 - 180\sqrt{2}yz + 129z^2$$

Вариант N 94

$$Q = -195x^2 - 26\sqrt{3}xy - 20\sqrt{6}xz + 55y^2 + 156\sqrt{2}yz - 80z^2$$

Вариант N 95

$$Q = 5293x^2 + 320\sqrt{6}xy + 332\sqrt{21}xz - 1050y^2 - 480\sqrt{14}yz + 3882z^2$$

Вариант N 96

$$Q = -3697x^2 - 60\sqrt{6}xy - 212\sqrt{6}xz - 700y^2 + 720yz - 2478z^2$$

Вариант N 97

$$Q = -5376x^2 + 760\sqrt{6}xy - 2124\sqrt{21}xz - 5150y^2 - 1140\sqrt{14}yz + 3651z^2$$

Вариант N 98

$$Q = -3518x^2 - 80\sqrt{21}xy - 232\sqrt{21}xz - 1450y^2 + 840yz - 2532z^2$$

Вариант N 99

$$Q = -5913x^2 - 90\sqrt{91}xy - 348\sqrt{6}xz + 2325y^2 + 180\sqrt{546}yz - 3912z^2$$

Вариант N 100

$$Q = -3066x^2 - 30\sqrt{91}xy - 236\sqrt{6}xz + 400y^2 + 60\sqrt{546}yz - 1709z^2$$

Вариант N 101

$$Q = -27147x^2 - 510\sqrt{91}xy - 1412\sqrt{6}xz + 16175y^2 + 1020\sqrt{546}yz - 19028z^2$$

Вариант N 102

$$Q = -3748x^2 + 120\sqrt{21}xy - 1252\sqrt{21}xz + 1550y^2 - 1260yz + 1573z^2$$

Вариант N 103

$$Q = -691x^2 + 32\sqrt{21}xy - 1218\sqrt{3}xz + 864y^2 - 96\sqrt{7}yz + 527z^2$$

Вариант N 104

$$Q = -237x^2 - 12\sqrt{3}xy - 38\sqrt{3}xz - 156y^2 + 36yz - 199z^2$$

Вариант N 105

$$Q = 4233x^2 - 120\sqrt{11}xy + 1392\sqrt{21}xz + 1825y^2 + 60\sqrt{231}yz - 1683z^2$$

Вариант N 106

$$Q = 5797x^2 - 720\sqrt{6}xy + 2328\sqrt{21}xz + 3925y^2 + 1080\sqrt{14}yz - 4097z^2$$

Вариант N 107

$$Q = -12167x^2 - 360\sqrt{21}xy - 222\sqrt{91}xz - 3700y^2 + 840\sqrt{39}yz - 9133z^2$$

Вариант N 108

$$Q = 2619x^2 + 108\sqrt{91}xy + 362\sqrt{3}xz - 876y^2 - 108\sqrt{273}yz + 2257z^2$$

Вариант N 109

$$Q = 66581x^2 - 180\sqrt{91}xy + 8946\sqrt{91}xz - 60900y^2 + 5460yz - 55681z^2$$

Вариант N 110

$$Q = -17257x^2 - 240\sqrt{6}xy - 162\sqrt{91}xz - 10200y^2 + 80\sqrt{546}yz - 15043z^2$$

Вариант N 111

$$Q = 352x^2 - 20\sqrt{3}xy + 148\sqrt{21}xz - 375y^2 + 30\sqrt{7}yz - 277z^2$$

Вариант N 112

$$Q = 641x^2 + 72\sqrt{6}xy + 118\sqrt{3}xz - 364y^2 - 216\sqrt{2}yz + 523z^2$$

Вариант N 113

$$Q = -832x^2 - 20\sqrt{3}xy - 68\sqrt{21}xz - 425y^2 + 30\sqrt{7}yz - 543z^2$$

Вариант N 114

$$Q = -217x^2 - 20\sqrt{3}xy - 8\sqrt{21}xz - 125y^2 + 30\sqrt{7}yz - 183z^2$$

Вариант N 115

$$Q = 9299x^2 + 30\sqrt{11}xy + 304\sqrt{6}xz + 5025y^2 - 60\sqrt{66}yz + 7551z^2$$

Вариант N 116

$$Q = 1597x^2 + 36\sqrt{11}xy + 406\sqrt{3}xz - 188y^2 - 36\sqrt{33}yz + 1191z^2$$

Вариант N 117

$$Q = -7184x^2 - 40\sqrt{21}xy - 316\sqrt{21}xz - 5100y^2 + 420yz - 5841z^2$$

Вариант N 118

$$Q = 31992x^2 + 180\sqrt{91}xy + 508\sqrt{21}xz + 23175y^2 - 630\sqrt{39}yz + 29833z^2$$

Вариант N 119

$$Q = -20812x^2 + 180\sqrt{11}xy - 9188\sqrt{21}xz + 20075y^2 - 90\sqrt{231}yz + 18237z^2$$

Вариант N 120

$$Q = -7551x^2 + 30\sqrt{11}xy - 2296\sqrt{6}xz + 3775y^2 - 60\sqrt{66}yz + 5651z^2$$

Вариант N 121

$$Q = -244x^2 - 20\sqrt{3}xy - 24\sqrt{6}xz + 120\sqrt{2}yz - 106z^2$$

Вариант N 122

$$Q = -5272x^2 + 720\sqrt{6}xy - 2228\sqrt{21}xz - 3925y^2 - 1080\sqrt{14}yz + 4197z^2$$

Вариант N 123

$$Q = -27577x^2 + 360\sqrt{6}xy - 3282\sqrt{91}xz + 15300y^2 - 120\sqrt{546}yz + 17277z^2$$

Вариант N 124

$$Q = 1249x^2 + 12\sqrt{11}xy + 302\sqrt{3}xz + 404y^2 - 12\sqrt{33}yz + 947z^2$$

Вариант N 125

$$Q = -17251x^2 + 40\sqrt{6}xy - 1494\sqrt{11}xz + 5100y^2 - 120\sqrt{66}yz + 7151z^2$$

Вариант N 126

$$Q = 4949x^2 + 30\sqrt{11}xy + 204\sqrt{6}xz + 1275y^2 - 60\sqrt{66}yz + 3776z^2$$

Вариант N 127

$$Q = -117809x^2 + 60\sqrt{91}xy - 13146\sqrt{11}xz + 90900y^2 - 180\sqrt{1001}yz + 96909z^2$$

Вариант N 128

$$Q = 1976x^2 + 80\sqrt{6}xy + 96\sqrt{6}xz - 900y^2 - 960yz + 1424z^2$$

Вариант N 129

$$Q = 3718x^2 - 60\sqrt{21}xy + 438\sqrt{91}xz - 2075y^2 + 140\sqrt{39}yz - 2268z^2$$

Вариант N 130

$$Q = -493x^2 - 30\sqrt{3}xy - 28\sqrt{6}xz - 175y^2 + 180\sqrt{2}yz - 332z^2$$

Вариант N 131

$$Q = 53083x^2 + 1260\sqrt{91}xy + 1278\sqrt{91}xz - 23700y^2 - 38220yz + 35617z^2$$

Вариант N 132

$$Q = 793x^2 - 144\sqrt{6}xy + 1214\sqrt{3}xz + 628y^2 + 432\sqrt{2}yz - 421z^2$$

Вариант N 133

$$Q = 287x^2 - 24\sqrt{21}xy + 426\sqrt{3}xz - 148y^2 + 72\sqrt{7}yz - 139z^2$$

Вариант N 134

$$Q = -2391x^2 - 20\sqrt{3}xy - 54\sqrt{11}xz - 1300y^2 + 60\sqrt{33}yz - 1509z^2$$

Вариант N 135

$$Q = -19379x^2 - 1320\sqrt{21}xy - 414\sqrt{91}xz + 5600y^2 + 3080\sqrt{39}yz - 13721z^2$$

Вариант N 136

$$Q = -3797x^2 - 36\sqrt{11}xy - 406\sqrt{3}xz - 2012y^2 + 36\sqrt{33}yz - 3391z^2$$

Вариант N 137

$$Q = 14307x^2 + 240\sqrt{6}xy + 462\sqrt{91}xz + 2700y^2 - 80\sqrt{546}yz + 7993z^2$$

Вариант N 138

$$Q = -1073x^2 - 36\sqrt{91}xy - 254\sqrt{3}xz + 292y^2 + 36\sqrt{273}yz - 819z^2$$

Вариант N 139

$$Q = -1701x^2 - 180\sqrt{3}xy - 66\sqrt{91}xz - 100y^2 + 60\sqrt{273}yz - 799z^2$$

Вариант N 140

$$Q = -4871x^2 + 1140\sqrt{3}xy - 486\sqrt{91}xz - 1300y^2 - 380\sqrt{273}yz + 1771z^2$$

Вариант N 141

$$Q = -7853x^2 - 720\sqrt{6}xy - 272\sqrt{21}xz + 3925y^2 + 1080\sqrt{14}yz - 6697z^2$$

Вариант N 142

$$Q = -414x^2 - 140\sqrt{3}xy - 36\sqrt{21}xz + 125y^2 + 210\sqrt{7}yz - 261z^2$$

Вариант N 143

$$Q = -3717x^2 - 40\sqrt{21}xy - 132\sqrt{6}xz - 2075y^2 + 240\sqrt{14}yz - 2958z^2$$

Вариант N 144

$$Q = -4417x^2 + 60\sqrt{3}xy - 522\sqrt{91}xz + 3300y^2 - 20\sqrt{273}yz + 2717z^2$$

Вариант N 145

$$Q = -69841x^2 - 540\sqrt{11}xy - 954\sqrt{11}xz + 34100y^2 + 17820yz - 54259z^2$$

Вариант N 146

$$Q = -19492x^2 - 180\sqrt{91}xy - 508\sqrt{21}xz - 10675y^2 + 630\sqrt{39}yz - 17333z^2$$

Вариант N 147

$$Q = -137421x^2 + 1260\sqrt{11}xy - 15474\sqrt{11}xz - 87900y^2 - 41580yz + 115321z^2$$

Вариант N 148

$$Q = 293x^2 + 30\sqrt{3}xy + 28\sqrt{6}xz - 25y^2 - 180\sqrt{2}yz + 132z^2$$

Вариант N 149

$$Q = -25468x^2 + 1020\sqrt{11}xy - 9532\sqrt{21}xz - 17075y^2 - 510\sqrt{231}yz + 15043z^2$$

Вариант N 150

$$Q = -118571x^2 + 3420\sqrt{11}xy - 14286\sqrt{91}xz - 88100y^2 - 1140\sqrt{1001}yz + 76671z^2$$