

| R(G1) | e ₁ | e ₂ | e ₃ | e ₄ | e ₅ | e ₆ | e ₇ | e ₈ | e ₉ | e ₁₀ | e ₁₁ | e ₁₂ | P(e) |
|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|------|
| e1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 7 |
| e2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 4 |
| e3 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| e4 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 6 |
| e5 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 7 |
| e6 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 5 |
| e7 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 8 |
| e8 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 7 |
| e9 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| e10 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 6 |
| e11 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 7 |
| e12 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 7 |

| R(G2) | x1 | x2 | x3 | x4 | x5 | x6 | x7 | x8 | x9 | x10 | x11 | x12 | P(x) |
|-------|----|----|----|----|----|----|----|----|----|-----|-----|-----|------|
| x1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 8 |
| x2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 |
| x3 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 7 |
| x4 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 6 |
| x5 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 7 |
| x6 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 7 |
| x7 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 7 |
| x8 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 7 |
| x9 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 5 |
| x10 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 6 |
| x11 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 7 |
| x12 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 5 |

Для графа $G_1 \sum p(e) = 76$. Список $p(e) = \{7, 4, 7, 6, 7, 5, 8, 7, 5, 6, 7, 7\}$.

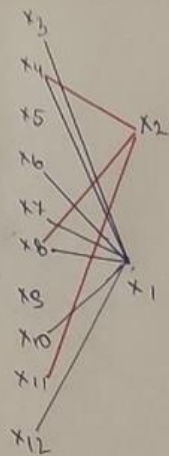
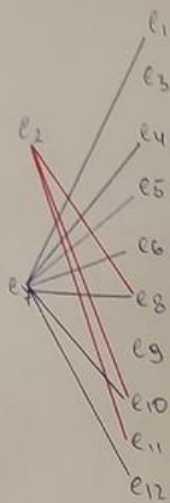
Для графа $G_2 \sum p(x) = 76$. Список $p(x) = \{8, 4, 7, 6, 7, 7, 7, 7, 5, 6, 7, 5\}$.

1. Разобьем вершины обоих графов на классы по их степеням.

| $p(e) = p(x)$ | 8 | 7 | 6 | 5 | 4 |
|---------------|----|--------------------------|---------|---------|----|
| E | e7 | e1, e3, e5, e8, e11, e12 | e4, e10 | e6, e9 | e2 |
| X | x1 | x3, x5, x6, x7, x8, x11 | x4, x10 | x9, x12 | x2 |

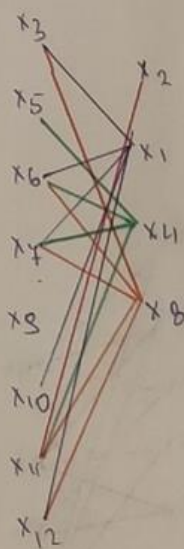
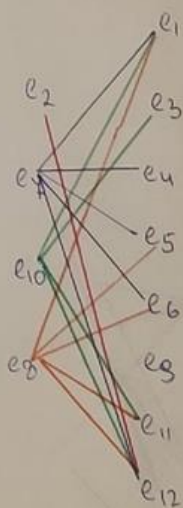
2. Из таблицы сразу можно заметить соответствие вершин графов:

| | |
|----|----|
| E | X |
| e7 | x1 |
| e2 | x2 |



e_{10} coorb x_4

e_8 coorb x_8

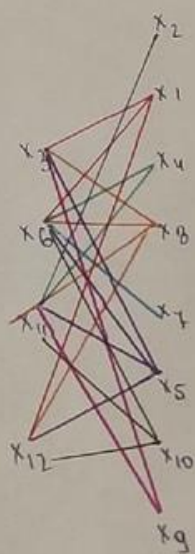
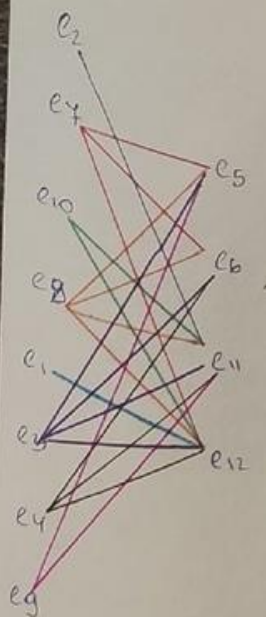


e_1 coorb x_4

e_2 coorb x_5

e_4 coorb x_{10}

e_8 coorb x_9



- e_5 соотв x_3
- e_6 соотв x_{12}
- e_{11} соотв x_{11}
- e_{12} соотв x_6

Найдем все соотв-ия мжу вершинами \Rightarrow графы изоморфны