**Raport 1 (Motroi Valeriu)**

**Problema:** Maximal Independent Set

**Solutia:** Folosesc modelul ILP de mai jos, implementat in GUROBI.

**Cod:**



**Set de Date:**

* Small Star Graph, 7 Nodes and 6 Edges
* Email-Eu-Core, 1004 Nodes, 25571 Edges
* Facebook-Combined 4038 Nodes, 88234 Edges
* P2p-Gnutella08 6300 Nodes, 20777 Edges

**Rezultate:**

|  |  |  |  |
| --- | --- | --- | --- |
| Setul de date | Max Indep Set gasit | Timp de rulare (sec) | Iteratii simplex |
| Small Star Graph | 6 | 0.01 | 0 |
| Email-Eu-Core | 280 | 0.05 | 0 |
| Facebook-Combined | 1046 | 102.03 stopped | 111031 |
| P2p-Gnutella | 4247 | 0.14 | 2 |