Analiza Cerintei Lab 3

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| Tip Matrice + processes | MPI | Timpi din Lab2-C++ |
| M=N=1000, p = 5 | T1: 2488.37  T2: 14.5469 | Average sequence time: 1838.53  Average parallel time: 5266.83 |
| M=N=1000, p = 9 | T1: 2475.92  T2: 8.7439 | Average sequence time: 1948.33  Average parallel time: 6606.19 |
| M=N=1000, p = 21 | T1: 2492.12  T2: 4.6781 | Average sequence time: 1948.33  Average parallel time: 11484.3 |

Nu se produce deadlock pentru ca fiecare process inafara de primul, trimite linia de start procesului de deasupra, iar fiecare process inafara ultimului trimite linia de la final procesului de sub, urmand sa primeasca fiecare process bordurile de sus si jos practice de la vecini. De asemenea, pt procesul 1 si ultimul bordam virtual cu cee ace primim de la procesul 0.