|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Matrice 1000\*1000 (100 steps)** | | | | | |
| **Tempo seriale** | **Tempo parallelo** | **Numero thread mpi** | **Speedup** | **Efficienza** | **Overhead** |
| 6 | 3.12 | 2 | 2 | 0.96 | 0.24 |
|  | 2.13 | 4 | 3.82 | 0.70 | 2.52 |
|  | 1.62 | 6 | 5.41 | 0.62 | 3.72 |
|  | 1.37 | 8 | 5 | 0.55 | 4.96 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Matrice 2000\*2000 (100 steps)** | | | | | |
| **Tempo seriale** | **Tempo parallelo** | **Numero thread mpi** | **Speedup** | **Efficienza** | **Overhead** |
| 24.03 | 12.14 | 2 | 1.98 | 0.99 | 0.25 |
|  | 6.4 | 4 | 3.75 | 0.94 | 1.57 |
|  | 4.63 | 6 | 5.19 | 0.87 | 3.75 |
|  | 5.49 | 8 | 4.38 | 0.55 | 19.89 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Matrice 3000\*3000 (100 steps)** | | | | | |
| **Tempo seriale** | **Tempo parallelo** | **Numero thread mpi** | **Speedup** | **Efficienza** | **Overhead** |
| 56.35 | 28.17 | 2 | 2 | 1 | 0 |
|  | 14.75 | 4 | 3.82 | 0.96 | 2.65 |
|  | 10.42 | 6 | 5.41 | 0.9 | 6.17 |
|  | 11.26 | 8 | 5 | 0.63 | 33.73 |





