**Documentarea performanței**

**Java:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tip matrice** | **Nr threads** | **Timp execuție** | **Comanda** |
| N=M=10  n=m=3 | secvențial | …. | .\scriptJSequential.ps1 MainSequential "N=M=10 si n=m=3" 10 0 0 |
| 4 | …. | .\scriptJ.ps1 MainParallel "N=M=10 si n=m=3" 4 10 0 0 |
| N=M=1000  n=m=5 | secvențial | …. | .\scriptJSequential.ps1 MainSequential "N=M=1000 si n=m=5" 10 1 1 |
| 2 | …. | .\scriptJ.ps1 MainParallel " N=M=1000 si n=m=5" 2 10 1 1 |
| 4 | …. | .\scriptJ.ps1 MainParallel " N=M=1000 si n=m=5" 4 10 1 1 |
| 8 | …. | .\scriptJ.ps1 MainParallel " N=M=1000 si n=m=5" 8 10 1 1 |
| 16 | …. | .\scriptJ.ps1 MainParallel " N=M=1000 si n=m=5" 16 10 1 1 |
| N=10 M=10000  n=m=5 | secvențial | …. | .\scriptJSequential.ps1 MainSequential "N=10 M=10000 si n=m=5" 10 2 1 |
| 2 |  | .\scriptJ.ps1 MainParallel " N=10 M=10000 si n=m=5" 2 10 2 1 |
| 4 |  | .\scriptJ.ps1 MainParallel " N=10 M=10000 si n=m=5" 4 10 2 1 |
| 8 |  | .\scriptJ.ps1 MainParallel " N=10 M=10000 si n=m=5" 8 10 2 1 |
| 16 |  | .\scriptJ.ps1 MainParallel " N=10 M=10000 si n=m=5" 16 10 2 1 |
| N=10000 M=10  n=m=5 | secvențial |  | .\scriptJSequential.ps1 MainSequential " N=10000 M=10 si n=m=5" 10 3 1 |
| 2 |  | .\scriptJ.ps1 MainParallel "N=10000 M=10 si n=m=5" 2 10 3 1 |
| 4 |  | .\scriptJ.ps1 MainParallel "N=10000 M=10 si n=m=5" 4 10 3 1 |
| 8 |  | .\scriptJ.ps1 MainParallel "N=10000 M=10 si n=m=5" 8 10 3 1 |
| 16 |  | .\scriptJ.ps1 MainParallel "N=10000 M=10 si n=m=5" 16 10 3 1 |

**C++**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tip matrice** | **Tip alocare** | **Nr threads** | **Timp executie** |
| N=M=10  n=m=3 | Static | 4 | …. |
| dinamic | 4 | …. |
| N=M=1000  n=m=5 | static | 1 | …. |
| 2 | …. |
| 4 | …. |
| 8 | …. |
| 16 | …. |
| dinamic | 1 | …. |
| 2 | …. |
| 4 | …. |
| 8 | …. |
| 16 | …. |
| …. | …. | …. | …. |

**Analiza**

Comparati performanta pentru fiecare caz – secvential versus paralel si variantele paralele intre ele.

Comparati timpii de executie obtinuti cu implementarea Java versus implementarea C++.

Comparati cele doua variante pentru implementarea C++.

Analiza trebuie evidentiata in documentatie.