Enunciado Practica OMP por Nacho:

Rellenar las siguientes tablas con los tiempos de **CompletarMatriz** no el total

Conectar a BOE con SSH [ac\_05@boe.uv.es](mailto:ac_05@boe.uv.es) y password: lnpsmgvm con todo minúsculas

Si no existen los archivos sinopt u optimizado, compilar con: gcc MainLinux.c –fopenmp –o sinopt y gcc MainLinux.c –fopenmp –O2 –o optimizado

Cambiar de ordenador: SSH compute-0-(número de ordenador entre 0 y 7)

Cambiar número de hilos: export OMP\_NUM\_THREADS=(Hilos)

Llamada a función: ./optimizado 2 (bloques\_por\_hilo) chr19\_random.fa chr22\_random.fa (tamaño) notar que el 2 indica que se usa OMP

Tiempos de Talla vs Hilos: Variar hilos y tamaño, mantener bloques\_por\_hilo a 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SinOptimizar | 1 | 4 | 9 | 14 | 23 | 32 | 124 | 900 |
| 2 hilos |  |  |  |  |  |  |  |  |
| 4 hilos |  |  |  |  |  |  |  |  |
| 8 hilos |  |  |  |  |  |  |  |  |
| 12 hilos |  |  |  |  |  |  |  |  |
| 24 hilos |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Optimizado | 1 | 4 | 9 | 14 | 23 | 32 | 124 | 900 |
| 2 hilos |  |  |  |  |  |  |  |  |
| 4 hilos |  |  |  |  |  |  |  |  |
| 8 hilos |  |  |  |  |  |  |  |  |
| 12 hilos |  |  |  |  |  |  |  |  |
| 24 hilos |  |  |  |  |  |  |  |  |

Tiempos de Bloques\_por\_hilo vs Hilos: Variar hilos y tamaño, mantener tamaño a 124

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SinOptimizar | 2 | 8 | 32 | 128 | 512 |
| 1 hilo |  |  |  |  |  |
| 2 hilos |  |  |  |  |  |
| 4 hilos |  |  |  |  |  |
| 8 hilos |  |  |  |  |  |
| 12 hilos |  |  |  |  |  |
| 24 hilos |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Optimizado | 2 | 8 | 32 | 128 | 512 |
| 1 hilo |  |  |  |  |  |
| 2 hilos |  |  |  |  |  |
| 4 hilos |  |  |  |  |  |
| 8 hilos |  |  |  |  |  |
| 12 hilos |  |  |  |  |  |
| 24 hilos |  |  |  |  |  |

Copiar los datos al archivo Excel PR1 o entregar a Nacho