|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | n = 100 | speedup | efficiency | n = 1000 | speedup | efficiency |
| p = 1 (serial) | 2.503805  sec | 1 | 1 | 2.385404 sec | 1 | 1 |
| p = 2 | 1.673098 sec | 1.496508 | 0.748254 | 1.963793 | 1.214692 | 0.607346 |
| p = 4 | 3.998726 sec | 0.626151 | 0.156538 | 1.947028 | 1.225151 | 0.306288 |
| p = 8 | 1.629342 sec | 1.536697 | 0.192087 | 2.537664 | 0.940000 | 0.117500 |
| p = 16 | 2.504062 sec | 0.999897 | 0.062494 | 2.218151 | 1.075402 | 0.067213 |
| p = 32 | 3.135857 sec | 0.798444 | 0.024951 | 4.256619 | 0.560399 | 0.017512 |
| p = 64 | 4.521885 sec | 0.553708 | 0.008652 | 4.177488 | 0.571014 | 0.008922 |