* 1. On hw3.erl

|  |  |
| --- | --- |
| Workers | Speedup |
| 4 | 3.630001104573467 |
| 8 | 6.241637540638456 |
| 16 | 8.939379404593728 |
| 32 |  |
| 64 |  |
| 128 |  |
| 256 |  |

* + 1. random array n=1000000 n\_trial=10 t\_avg=1.620e-01
    2. ascending array n=1000000 n\_trial=10 t\_avg=7.680e-02
    3. random list n=1000000 n\_trial=10 t\_avg=2.712e-01
    4. ascending list n=1000000 n\_trial=10 t\_avg=1.320e-02
  1. Sorting an array of random elements takes longer than an array of ascending elements by about a factor of 2 (2.109375 in this case)
  2. , where c = the total number of clusters