

## WOLVES AND SQUIRREL : PART 1

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### Parallel and Distributed Computing CPD

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**Decomposition done**

**Conflict resolution**

**Load Balancing**

**Performances analyze**

The following array recaps the execution time of the OMP version with several numbers of threads.

Instance	1 thread	2 threads	4 threads	8 threads
ex3.in	0000	0000	0000	0000
world_10.in	0000	0000	0000	0000
world_100.in	0000	0000	0000	0000
world_1000.in	0000	0000	0000	0000
exBig.in	0000	0000	0000	0000

TABLE 1 – Performances for the different instances.

We did these experiments on a computer with 4 cores. So with more than 4 threads we didn't expect an improvement of the execution time.