Conclusion

Conclusions

- We have proposed a parallel NDFS algorithm
- It is linear-time and on-the-fly; this is a breakthrough!
- It scales reasonably well (but not perfect) on 16 cores
- Without accepting states, all workers still visit whole graph

Availability

- This work is accepted at ATVA 2011
- The benchmarks were taken from BEEM and DiVinE
- The demo used UbiGraph by Todd L. Veldhuizen
- The implementation is available (open source) at

  `http://cs.fmt.utwente.nl/tools/ltsmin`
- See also: CAV'10, FMCAD'10, NFM'11, SPIN'11, ATVA'11