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**Motivation:** Many important problems in cell biology require the dense nonlinear interactions between functional modules to be considered. The importance of computer simulation in understanding cellular processes is now widely accepted, and a variety of simulations algorithms useful for studying certain subsystems have been designed.

[illegible]

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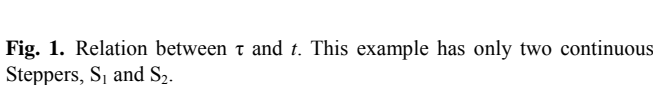
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\*To whom correspondence should be addressed.



[illegible]

S	Predicted cost	Timing	Predicted speed	Speed
1	\$219.20(100%)	68m43s	1.00	1.00
2	$2^9.10+2^{19}.10(\sim 50\%)$	35m13s	2.00	1.95
4	$2^{19}.20(100\%)$	68m43s	1.00	1.00
10	$2^9.10+2^{19}.10(\sim 50\%)$	35m13s	2.00	1.95
20	$2^{19}.20(100\%)$	68m43s	1.00	9.5

## ACKNOWLEDGEMENTS

*Funding:* The quick brown fox jumps over the lazy dog. The quick brown over the lazy dog.

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