

Protocol	Leader	DD	CND	Expected Time	Lower Bound
Online-Cycle-Elimination	Yes	1	No	$\Theta(n^4)$	$\Omega(n^2 \log n)$
Line-Around-a-Star	Yes	1	No	$\Theta(n^2 \log n)$ (opt)	$\Omega(n^2 \log n)$
Line-Transformer	No	1,2	Yes	$O(n^3)$	$\Omega(n^2 \log n)$