Label size (#bits)	Robot's memory (#bits)	Time (#edge-traversals)	Ratio (#black nodes)	Works on
2	$O(1)$	$O(m)$	$-$	simple graphs
1	$O(\log \Delta)$	$O(\Delta^{O(1)} m)$	no guarantee[3]	simple graphs
1	$O(\rho \log \Delta)$	$O(n\Delta^{16\rho/3}/\rho + \Delta^{40\rho/3+1})$	$\leq n/\rho$	non-simple graphs