Type	Name	Time complexity	Reference
Local	Common Neighbors count	$O(vd^3)$	
	Adamic–Adar score	$O(vd^3)$	
	Resource–allocation index	$O(vd^3)$	
	Adaptive degree penalization score	$O(vd^3)$	
	Jaccard score	$O(vd^3)$	
	Leicht-Holme-Newman score	$O(vd^3)$	
	Salton score	$O(vd^3)$	
	Sorensen score	$O(vd^3)$	
	Hub promoted index	$O(vd^3)$	
	hub depressed index	$O(vd^3)$	
	Preferential attachment score	$O(vd^2)$	
Global	Katz index	$O(v^3)$	
	Leicht-Holme-Newman score	$O(cv^2d)$	
	Random walk	$O(cv^2d)$	
	Random walk with restart	$O(cv^2d)$	
	Flow propagation	$O(cv^2d)$	
	Pseudoinverse Laplacian score	$O(v^3)$	
	Average commute time score	$O(v^3)$	
	Random forest kernel index	$O(v^3)$	