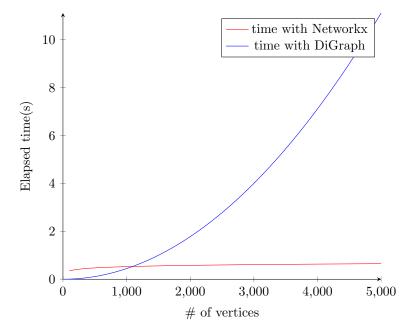
Networkx library vs. DiGraph class

Stats					
# of vertices	type	sample paths	Elapsed Time		
	Networkx	['dubbers', 'neuters', 'peptone']	$4.8 \times 10^{-5} \text{ s}$		
	DiGraph	[('dubbers', 'boreens'), ('boreens', 'peptone')]	$2.5 \times 10^{-2} \text{ s}$		
	Networkx	['caddice', 'angelic', 'cyanate']	$3.7 \times 10^{-5} \text{ s}$		
	DiGraph	[('caddice', 'astelic'), ('astelic', 'cyanate')]	$8.3 \times 10^{-3} \text{ s}$		
500	Networkx	['hokonui', 'ruction']	$2.5 \times 10^{-5} \text{ s}$		
	DiGraph	[('hokonui', 'ruction')]	$1.3 \times 10^{-3} \text{ s}$		
	Networkx	['sideral', 'salutes', 'hocuses']	$6.5 \times 10^{-5} \text{ s}$		
	DiGraph	[('sideral', 'becurls'), ('becurls', 'hocuses')]	$4.5 \times 10^{-2} \text{ s}$		
	Networkx	['sheepos', 'powters', 'madwort']	$4.7 \times 10^{-5} \text{ s}$		
	DiGraph	[('sheepos', 'drowses'), ('drowses', 'madwort')]	$6.1 \times 10^{-2} \text{ s}$		
	Networkx	['gorgons', 'informs']	$4.7 \times 10^{-5} \text{ s}$		
	DiGraph	[('gorgons', 'informs')]	$4.4 \times 10^{-3} \text{ s}$		
	Networkx	['maelids', 'stamper', 'erasure']	$1.1 \times 10^{-4} \text{ s}$		
1000	DiGraph	[('maelids', 'dustier'), ('dustier', 'erasure')]	$2.1 \times 10^{-2} \text{ s}$		
	Networkx	['planked', 'damsels', 'muskegs', 'gummous']	$1.1 \times 10^{-4} \text{ s}$		
	DiGraph	[('planked', 'plucker'), ('plucker', 'scourge'), ('scourge', 'gummous')]	1.2 s		
	Networkx	['althaea', 'petaras', 'jazzers']	$5.5 \times 10^{-5} \text{ s}$		
	DiGraph	[('althaea', 'stapler'), ('stapler', 'jazzers')]	$4.2 \times 10^{-2} \text{ s}$		
	Networkx	['patness', 'paeonic', 'flacons']	$8.4 \times 10^{-5} \text{ s}$		
	DiGraph	[('patness', 'parcels'), ('parcels', 'flacons')]	$1.5 \times 10^{-2} \text{ s}$		
	Networkx	['folkmot', 'smooths', 'chromas']	$1.2 \times 10^{-4} \text{ s}$		
	DiGraph	[('folkmot', 'smooths'), ('smooths', 'chromas')]	$1.1 \times 10^{-1} \text{ s}$		
	Networkx	['plating', 'lotions', 'outtold']	$9.3 \times 10^{-5} \text{ s}$		
	DiGraph	[('plating', 'lotions'), ('lotions', 'outtold')]	$8.1 \times 10^{-1} \text{ s}$		
1500	Networkx	['remodel', 'clotter', 'outtold']	$9.2 \times 10^{-5} \text{ s}$		
	DiGraph	[('remodel', 'outedge'), ('outedge', 'outtold')]	$2.7 \times 10^{-1} \text{ s}$		
	Networkx	['legongs', 'consult', 'mutines']	$9.1 \times 10^{-5} \text{ s}$		
	DiGraph	[('legongs', 'skeeing'), ('skeeing', 'mutines')]	$4.9 \times 10^{-2} \text{ s}$		
	Networkx	['nursery', 'downers', 'redcaps']	$8.8 \times 10^{-5} \text{ s}$		
	DiGraph	[('nursery', 'remoras'), ('remoras', 'redcaps')]	$1.1 \times 10^{-1} \text{ s}$		
	Networkx	['relaxin', 'rancing', 'bonings']	$2.4 \times 10^{-4} \text{ s}$		
	DiGraph	[('relaxin', 'ironise'), ('ironise', 'bonings')]	$4.7 \times 10^{-1} \text{ s}$		
	Networkx	['abridge', 'hastier', 'futures']	$1.7 \times 10^{-4} \text{ s}$		
	DiGraph	[('abridge', 'hastier', 'futures')]	1.1 × 10 s		
	Networkx	['airings', 'interim', 'cometic']	$1.3 \times 10^{-4} \text{ s}$		
2000			1.5 x 10 s		
	DiGraph Networkx	[('airings', 'caniest'), ('caniest', 'cometic')]	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		
		['blawort', 'maltier', 'pilcher']	$5.8 \times 10^{-1} \text{ s}$		
	DiGraph	[('blawort', 'railbed'), ('railbed', 'pilcher')]			
	Networkx	['chibols', 'miscode', 'rewinds']	$9.4 \times 10^{-5} \text{ s}$ $5.8 \times 10^{-2} \text{ s}$		
	DiGraph	[('chibols', 'shilled'), ('shilled', 'rewinds')]			
2500	Networkx	['midmost', 'posties', 'lysines']	$9.4 \times 10^{-5} \text{ s}$		
	DiGraph	[('midmost', 'emetins'), ('emetins', 'lysines')]	$9.0 \times 10^{-2} \text{ s}$		
	Networkx	['zingaro', 'santero', 'swathed']	$1.2 \times 10^{-4} \text{ s}$		
	DiGraph	[('zingaro', 'easting'), ('easting', 'swathed')]	2.7 s		
	Networkx	['pigtail', 'stabile', 'burbles']	$1.5 \times 10^{-4} \text{ s}$		
	DiGraph	[('pigtail', 'lairise'), ('lairise', 'burbles')]	3.1 s		
	Networkx	['nutwood', 'buncoed', 'pinched']	$1.2 \times 10^{-4} \text{ s}$		
	DiGraph	[('nutwood', 'pouncet'), ('pouncet', 'pinched')]	1.5 s		
	Networkx	['andvile', 'ikebana', 'bagnios']	$2.1 \times 10^{-4} \text{ s}$		
	DiGraph	[('andvile', 'yodling'), ('yodling', 'bagnios')]	$8.9 \times 10^{-1} \text{ s}$		

Stats						
\mathbf{type}	sample paths	Elapsed Time				
Networkx	['lensmen', 'gyrenes', 'garnish']	$2.0 \times 10^{-4} \text{ s}$				
DiGraph	[('lensmen', 'manwise'), ('manwise', 'garnish')]	1.2 s				
Networkx	['bogyman', 'decagon', 'scooped', 'pickers']	$5.1 \times 10^{-4} \text{ s}$				
DiGraph	[('bogyman', 'bausond'), ('bausond', 'debarks'), ('debarks', 'pickers')]	28.4 s				
Networkx		$3.2 \times 10^{-4} \text{ s}$				
DiGraph		$6.3 \times 10^{-1} \text{ s}$				
Networkx		$9.2 \times 10^{-5} \text{ s}$				
DiGraph		$6.2 \times 10^{-3} \text{ s}$				
-		$6.1 \times 10^{-4} \text{ s}$				
		$7.3 \times 10^{-2} \text{ s}$				
		$2.2 \times 10^{-4} \text{ s}$				
	1	$3.9 \times 10^{-2} \text{ s}$				
	1	$2.1 \times 10^{-4} \text{ s}$				
		3.3 s				
_		$2.7 \times 10^{-4} \text{ s}$				
		$2.7 \times 10^{-3} \text{ s}$ $2.7 \times 10^{-1} \text{ s}$				
	1 /1 / / / / / / / / / / / / / / / / /	$1.9 \times 10^{-4} \text{ s}$				
		8.4 s				
-		$1.0 \times 10^{-4} \text{ s}$				
		$3.9 \times 10^{-1} \text{ s}$				
		$3.9 \times 10^{-4} \text{ s}$				
	, , ,					
	1 / / / / / / / / / / / / / / / / / / /	6.3 s				
		$2.5 \times 10^{-4} \text{ s}$				
-		1.8 s				
		$1.7 \times 10^{-4} \text{ s}$				
		6.1 s				
		$2.9 \times 10^{-4} \text{ s}$				
		1.2 s				
		$6.0 \times 10^{-5} \text{ s}$				
		$1.5 \times 10^{-1} \text{ s}$				
		$5.0 \times 10^{-4} \text{ s}$				
		2.8 s				
		$4.9 \times 10^{-4} \text{ s}$				
-		12.2 s				
	1	$2.4 \times 10^{-4} \text{ s}$				
_		1.5 s				
		$2.4 \times 10^{-4} \text{ s}$				
DiGraph	[('cloning', 'logiest'), ('logiest', 'corvets')]	3.0 s				
Networkx	['degamis', 'disform', 'deposer']	$3.9 \times 10^{-4} \text{ s}$				
DiGraph	[('degamis', 'defaste'), ('defaste', 'deposer')]	$4.0 \times 10^{-1} \text{ s}$				
Networkx	['chamiso', 'mashuas', 'asphalt']	$2.7 \times 10^{-4} \text{ s}$				
$\operatorname{DiGraph}$	[('chamiso', 'kamilas'), ('kamilas', 'asphalt')]	1.1 s				
Networkx	['injurer', 'pardine', 'ikebana']	$2.2 \times 10^{-4} \text{ s}$				
DiGraph	[('injurer', 'nickers'), ('nickers', 'ikebana')]	1.1 s				
Networkx	['bardism', 'caritas']	$4.6 \times 10^{-5} \text{ s}$				
TICUWOIKA	1 , ,					
	[('bardism', 'caritas')]	$1.6 \times 10^{-1} \text{ s}$				
$\operatorname{DiGraph}$	[('bardism', 'caritas')] ['affrets', 'easting', 'gnawing']	$\begin{array}{ c c c c } 1.6 \times 10^{-1} \text{ s} \\ 5.8 \times 10^{-4} \text{ s} \end{array}$				
DiGraph Networkx	['affrets', 'easting', 'gnawing']	$5.8 \times 10^{-4} \text{ s}$				
$\operatorname{DiGraph}$	1 /3					
	Networkx DiGraph Networkx	Networkx [lensmen', 'gyrenes', 'garnish'] Networkx ['lensmen', 'manwise'), ('manwise', 'garnish')] Networkx ['bogyman', 'decagon', 'scooped', 'pickers'] Networkx ['gollans', 'litoral', 'mooktar'] Networkx ['gollans', 'litoral', 'mooktar'] Networkx ['gollans', 'litoral', 'mooktar'] Networkx ['lording', 'poitrel'] Networkx ['lording', 'poitrel'] Networkx ['lording', 'poitrel'] Networkx ['realtor', 'carpale'] Networkx ['broaden', 'pirogen'] Networkx ['lorgamags', 'impacts', 'poetise'] Networkx ['cagmags', 'atomics'), 'datomics', 'poetise'] Networkx ['aneared', 'reamers', 'bewared'] Networkx ['aneared', 'radioed'), ('radioed', 'bartsia') Networkx ['jihadis', 'haziest', 'heezing'] Networkx ['jihadis', 'haziest', 'heezing'] Networkx ['jihadis', 'haziest', 'heezing'] Networkx ['lorgaph ['jihadis', 'haziest', 'heezing'] Networkx ['lorgaph ['joodmen', 'dogears', 'nocakes'] Networkx ['lorgaph ['goodmen', 'dogears', 'nocakes'] Networkx ['lorgaph ['(soodmen', 'songman', 'nocakes')] Networkx ['lorgaph ['(soodmen', 'songman', 'nocakes')] Networkx ['lorgaph ['(soodmen', 'songman', 'nocakes')] Networkx ['lorgaph ['(slatest', 'vrestla', 'rebites')] Networkx ['lorgaph ['(slatest', 'vrestla', 'rebites')] Networkx ['lorgaph ['(surname', 'irisate'), '(scantly', 'sleechy')] Networkx ['lorgaph ['(surname', 'irisate'), '('irisate', 'stagily')] Networkx ['lorgaph ['(surname', 'irisate'), '('irisate', 'stagily')] Networkx ['(laiding', 'lungans', 'nunatak')] Networkx ['(laiding', 'lungans', 'nunatak')] Networkx ['(lorgaph ['(coverer', 'recoats', 'stopped')] Networkx ['(lorgaph ['(coverer', 'recoats', 'stopped')] Networkx ['(lorgaph ['(cloning', 'losinins', 'nushuas', 'asphalt')] Networkx ['(lorgaph ['(cloninso', 'lomilas', 'mashuas', 'asphalt')] Networkx ['(lorgaph ['(lorgamis', 'defaste'), ('defaste', 'deposer')] Networkx ['(lorgamis', 'defaste'), ('defaste', 'de				

Means of Elapsed Times				
Types Number of Vertices	Networkx	DiGraph		
500	$4.5 \times 10^{-5} \text{ s}$	$2.8 \times 10^{-2} \text{ s}$		
1000	$8.0 \times 10^{-5} \text{ s}$	$2.5 \times 10^{-1} \text{ s}$		
1500	$9.3 \times 10^{-5} \text{ s}$	$2.6 \times 10^{-1} \text{ s}$		
2000	$1.4 \times 10^{-4} \text{ s}$	$7.5 \times 10^{-1} \text{ s}$		
2500	$1.5 \times 10^{-4} \text{ s}$	1.6 s		
3000	$2.4 \times 10^{-4} \text{ s}$	6.1 s		
3500	$2.5 \times 10^{-4} \text{ s}$	2.5 s		
4000	$2.2 \times 10^{-4} \text{ s}$	3.1 s		
4500	$3.7 \times 10^{-4} \text{ s}$	4.1 s		
5000	$2.8 \times 10^{-4} \text{ s}$	10.8 s		



Datalara göre en anlamlı grafik yukarıdaki gibi oluşuyor. Vertex sayısının belirli bi yerden sonraki artışı Networkx'i çok etkilemezken Di
Graph bu durumdan oldukça etkileniyor. Görüldüğü üzere Network
x ΘlgN ile oldukça iyi çalışıyor :)