Growth/Scaling for the Mark Sort Algorithm

N	=	100	100	100	100		
nEq	=	5809	5602	5905	5758		
nAdd	=	5148	5148	5148	5148		
nLog	=	9999	9999	9999	9999		
Total	=	20956	20749	21052	20905	20915.5	

N	=	200	200	200	200		
nEq	=	15470	14936	15137	15791		
nAdd	=	20298	20298	20298	20298		
nLog	=	39999	39999	39999	39999		
Total	=	75767	75233	75434	76088	75630.5	3.61600249

N	=	400	400	400	400			
nEq	=	40909	42586	38905	39427			
nAdd	=	80598	80598	80598	80598			
nLog	=	159999	159999	159999	159999			
Total	=	281506	283183	279502	280024	281053.75	13.4375822	3.71614296

Growth/Scaling Mark Sort Algorithm

N	Ops
100	20915.5
200	75630.5
400	281053.75

$y = 1.5999x^2 + 67.184x - 1801.8$
$R^2 = 1$
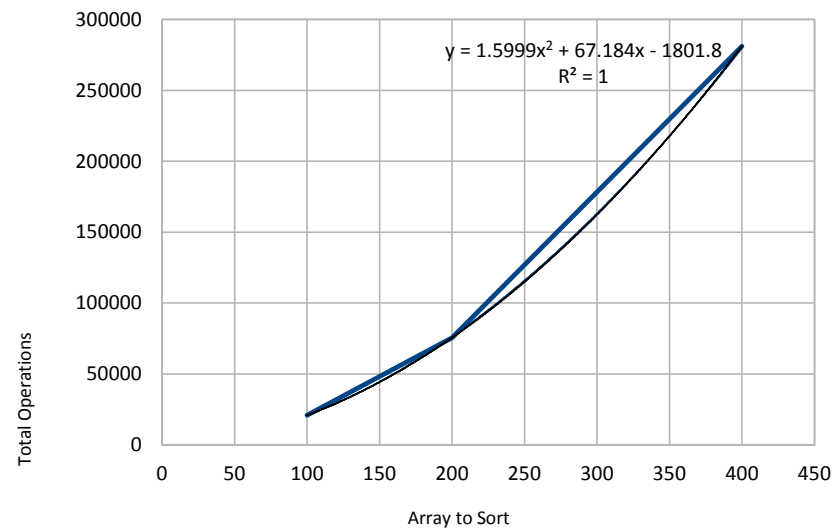
— Growth/Scaling for the Mark Sort Algorithm

— Power (Growth/Scaling for the Mark Sort Algorithm)

— Poly. (Growth/Scaling for the Mark Sort Algorithm)

— Poly. (Growth/Scaling for the Mark Sort Algorithm)

Total Operations

Array to Sort