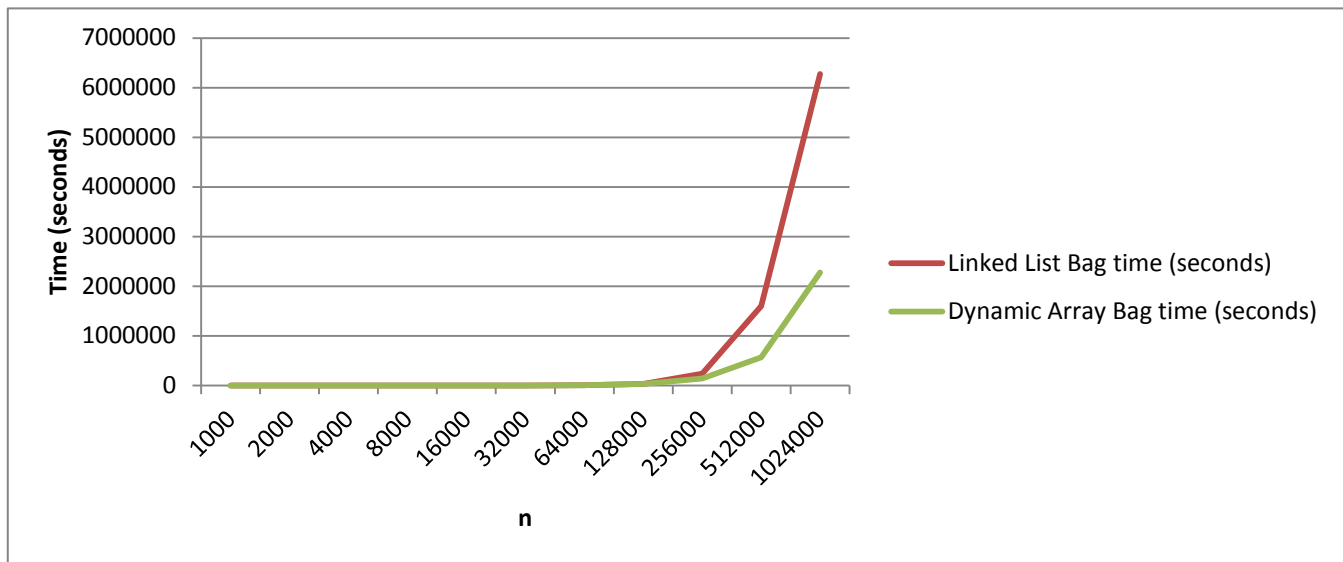


n	Linked List Bag time (seconds)	Dynamic Array Bag time (seconds)
1000	0	0
2000	10	0
4000	30	30
8000	130	130
16000	500	550
32000	2010	2220
64000	8090	8890
128000	32390	35540
256000	236700	141910
512000	1.60E+06	569690
1024000	6.28E+06	2.28E+06



1. Which of the implementations is the fastest?

While both functions perform at $O(n)$ complexity, the Dynamic Array implementation is the fastest.

2. Would you expect anything to change if the loop performed `removeBag` instead of `contains`? If so, what?

No; both `containsBag()` and `removeBag()` functions perform a linear search on the array of data of $O(n)$ complexity. These two functions, in both implementations, differ only in that the former returns the value while the latter removes it.

