



start 8

create. new array	$O(1)$
copy from old array	$O(n)$
update fields	$O(1)$
delete old array	$O(1)$

ArrayList addition is $O(n)$!!

-	1	
-	1	
-	2+1	2^n
-	1	
-	4+1	amortized $O(1)$
-	1	
-	1	
-	1	$\sim 2^n$ additions
-	8+1	\Downarrow
⋮		$\sim 2^{n+1}$ copies
-	16+1	or
-	+1	2 copies/element
-	+1	
⋮		
-	32+1	

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