

Half (throw away remainder)	Double
68	139
34	278
17	556
8	1112
4	2224
2	4448
1	8896
Total	$8896 + 556 = 9452$

<b>arrayMax function</b>	Finds the biggest integer in an array
<b>Input:</b> an array A of N integers	
<b>Output:</b> maximum element of A	
arrayMax(A, n) {	0
currentMax = A[0]	2
For (i=0; i < A.length; i++){	$1 + N + 1 + N$
If (A[i] > currentMax) then	$2N$
currentMax = A[i]	$2(N - 1) = 2N - 2$
}	0
Return currentMax	0
<b>End function</b>	0
<b>Total: T(N)</b>	$6N + 2$