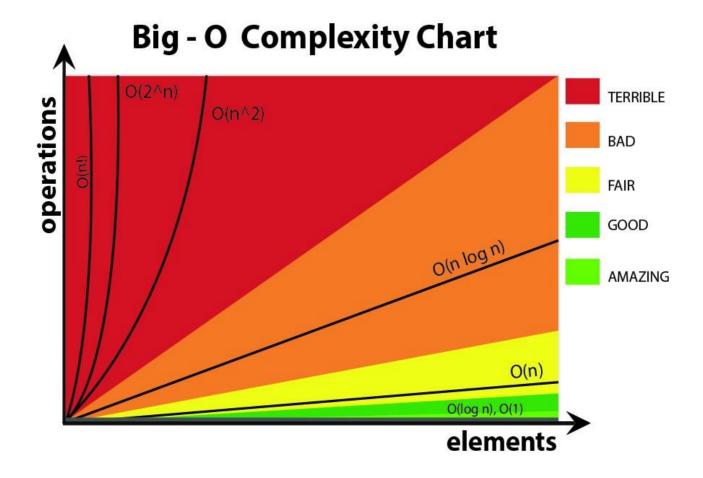
352	
N.	Time Complexity & Big O notation
	This morning I wanted to eat some pizzas; so I asked my brother to get me some from Dominos (3 km far)
Pin	my brother to get me some from Dominos (3 km
,3	far)
citt	He got me the pizza and I was happy only to realize it was too less for 29 friends who lame to my house for a surprize visit!
	it was too less for 29 friends who lame to
ř.W.	my house for a surprize visit!
diff	My prother can get 2 pizzas for me on his bike
	but Pizza for 29 friends is too huge of an input
£ 10	My prother can get 2 pizzas for me on his bike but pizza for 29 friends is too huge of an input for him which he cannot pandle.
1/18	W San see that initially shirtness was
	2 pizzas (2) okay! not a big deal!
	NUMBER OF CLOSES INCOMES STORING A DURING HAM
	68 pizzas -> @ Not possible do
	In short fime
	March that will be to the first of the first
- /	What is Time Complexity? Time Complexity is the study of efficiency of algorithms.
4	Time Complexity is the study of efficiency of algorithms.
. (	in a marry purch in man had box on 1911
run	Time Complexity = How time taken to execute an
	algorithm grows with the size
178	as said town to f the rinput have have
4	- (a. 1) 4 1 1 dayal-bakk who created as all War la
1.	Consider two developers who created an algorithm to
117	sort n numbers Shubhan and Rohan idid this
-	independently.
-	

	When ran for input size n, following results were recorded
	When run to control
hade	were suited and to a balaba a promotion will
	no of elements (n) Shubham's Algo Rohan's Algo
- Jakaje	10 elements 90 ms 122 ms
01	70 elements 10 ms 124 ms
	10 elements 180 ms 131 ms
taichi	10 00 elements 25 800 ms
	We can see that initially Shubham's valgorithm was shining for smaller input but as the number of elements increases rohan's algorithm
21	was shining for smaller input but as the
	number of elements increases to han's algorithm
	looks good!
	Quick Quiz: Who's Algorithm is better?
	fruit day. Who rigorium is be con
And Flore	Time Complexity: Gending GTAV to a friend
1	Let us say you have a friend living 5 kms
Nd) 1	away from your place. You want to send him
1000	a game.
	Final exams are over and you want him to get
	this 60 GB file from you! How will you send it
the fluid	No to him of house of all of the control of the con
w Not-	Note that both of you are using (II) 4G with
	I realised with the
1	

	Visualising Big O  If we were to plot O(1) and O(n) on a graph they will look something like this:
	If we were to plot (1) and (1) on a graph
	they will look something like This.
04.1	was a ninterest and any make at oh ou fill
2012	1 (anstant
	dertime on ti and bowl by audion of
	$O(n) \rightarrow linear$
Garage	
	2 Initiated up made single + three tolers but sit is
White.	(1) It (nin tont and isomore)
	Catendating Order in Journ of Input size
hilly	In suit to halkerlook the suche make
()	the Continuing in it token into present.
	Tuent to sold to
- ,	adjust that the in a minute that would be to
388	Santinopolic state of the state
	The sall year is son it said to
12	Figo 1 - 1 Part 1 - 1 36 - 20
	Chest Job's 1982 has he
-	San
	8+19+19
1 1	From the State of
	att and south had :
	in Prins Chilities 381



Source: https://stackoverflow.com/questions/3255/big-o-how-do-you-calculate-approximate-it