

	Best, worst and Average Case Analysis
	7 7 7 7
	· linear search
	Grazy Search Tree
	610 410
	linear search
	· Vancon · · · · · · · · · · · · · · · · · · ·
-	A 1816 L2 59743 1618 0123456789
	0 1 2 3 4 5 6 7 8 9
	Key = 7
1	Ken = 20
8	
	Best case - Searching key element present
	at lixt I month.
	Best Case Time - 1 O(1)
	B(0) = O(L)
	worst case - Searching a key at last Index
	worst case Time - 1
	$\omega(\eta) = 0$
	0(n)



Avorage case - all passible case time
no. of Cases
=1+2+3++0
$= \beta(n+1)$
$\frac{1}{2} = 0 + 1$
7 2
A(n) = 0 + 1
The state of the s
B(n)=1 $w(n)=n$
$B(n) = O(1) \qquad w(n) = O(n)$
$B(u) = \sqrt{(1)} \qquad m(u) = \sqrt{(u)}$
$B(n) = O(1) \qquad w(n) = O(n)$
the state of the s
we can write 0, in & a for any
mation (i.e. wort hell aug.)
and the second s

