Page:	Date:
Problem #8	The bond of the
We Can Use binary s	ench because all
toys are probled in	or Les with a
Special Sevial.	
Complexity (- axerage workst C	Case o(logn)
24-00	Se o (log 1) 5
first we start Search int mid = Number of	Chias Com The mille
Then we start to Ch if we find The Toy is is we find The Jefection	
Gan search in the seco	ud hild of Time
int low = mid 1;	Toys;

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v if	The middle Toys is defective we an
- St	av (A in fivet half of Toxe
s in	t low = 1: t hi grat = mid - 1;
*	
3	$2++$ $C_0 \neq 0$
	To de
· i	It Binary-Search (int * arr, int low, int high, int tanger
	who was high
	int mid = [low +(high-1)]/2
	if (arv[mid] == farget)
	return mid;
. / .	if (aNEmid) > target)
	Veter River Search (avr, low, mid-1, target)
	Yeturn Binary-Search (arr, mid + 1, high, tanget),
	Then we should to chock The modele to
3	if we find the production of the court
	The defect of the self fail is a self the self t
	PART WHAT I WE WANT TO THE PART OF THE PAR
	Conscionation of the second hard for the second
	The state of the s
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