

AP Computer Science A
Mr. Fahrenbacher
Binary Search Practice #2

Directions: Practice binary search on the following arrays. You only need to keep track of the low, hi, and mid indexes. These arrays are unsorted... I wonder what happens...

1. Target Value: 4

0	1	2	3	4	5	6	7	8	9
5	-2	7	9	-3	6	2	4	3	1

2. Target Value: 5

0	1	2	3	4	5	6	7	8
9	8	7	6	1	3	4	10	5

3. Target Value: 32

0	1	2	3	4	5	6	7	8	9
-10	5	-9	2	0	5	11	41	3	6

4. Target Value: 14

0	1	2	3	4	5	6	7	8
14	21	56	10	-10	6	13	21	0

5.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
-5	-3	-2	-1	1	3	6	10	12	15	16	20	23	24	29	33	37	38	41	44	49

a) What is the maximum number of checks required to decide if a value is in the array?

b) hi-lo-mid record for finding 10: