🔖 Binary Search

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#	Title	Acceptance	Difficulty	Frequency ❓
✔ 4	Median of Two Sorted Arrays (/problems/median-of-two-sorted-arrays) ★	35.0%	Hard	
✔ 729	My Calendar I (/problems/my-calendar-i)	57.2%	Medium	
✔ 528	Random Pick with Weight (/problems/random-pick-with-weight)	46.2%	Medium	
410	Split Array Largest Sum (/problems/split-array-largest-sum)	53.1%	Hard	
✔ 315	Count of Smaller Numbers After Self (/problems/count-of-smaller-numbers-after-self) ★	42.9%	Hard	
✔ 362	Design Hit Counter (/problems/design-hit-counter) 🔓	68.3%	Medium	
363	Max Sum of Rectangle No Larger Than K (/problems/max-sum-of-rectangle-no-larger-than-k)	44.1%	Hard	
✔ 493	Reverse Pairs (/problems/reverse-pairs)	30.7%	Hard	
✔ 704	Binary Search (/problems/binary-search)	55.1%	Easy	
✔ 34	Find First and Last Position of Element in Sorted Array (/problems/find-first-and-last-position-of-element-in-sorted-array)	41.4%	Medium	
✔ 33	Search in Rotated Sorted Array (/problems/search-in-rotated-sorted-array) ★	38.5%	Medium	
✔ 287	Find the Duplicate Number (/problems/find-the-duplicate-number) ★	59.1%	Medium	
✔ 456	132 Pattern (/problems/132-pattern)	32.4%	Medium	
354	Russian Doll Envelopes (/problems/russian-doll-envelopes)	38.4%	Hard	
1235	Maximum Profit in Job Scheduling (/problems/maximum-profit-in-job-scheduling)	51.0%	Hard	
2008	Maximum Earnings From Taxi (/problems/maximum-earnings-from-taxi)	42.8%	Medium	
✔ 875	Koko Eating Bananas (/problems/koko-eating-bananas)	52.6%	Medium	
✔ 300	Longest Increasing Subsequence (/problems/longest-increasing-subsequence)	51.5%	Medium	
718	Maximum Length of Repeated Subarray (/problems/maximum-length-of-repeated-subarray)	51.6%	Medium	
✔ 162	Find Peak Element (/problems/find-peak-element)	46.2%	Medium	
2035	Partition Array Into Two Arrays to Minimize Sum Difference (/problems/partition-array-into-two-arrays-to-minimize-sum-difference)	18.0%	Hard	
✔ 278	First Bad Version (/problems/first-bad-version)	42.8%	Easy	
✔ 74	Search a 2D Matrix (/problems/search-a-2d-matrix)	46.6%	Medium	
✔ 349	Intersection of Two Arrays (/problems/intersection-of-two-arrays)	70.1%	Easy	
✔ 240	Search a 2D Matrix II (/problems/search-a-2d-matrix-ii)	50.4%	Medium	
✔ 1658	Minimum Operations to Reduce X to Zero (/problems/minimum-operations-to-reduce-x-to-zero)	37.6%	Medium	

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✔ 1044	Longest Duplicate Substring (/problems/longest-duplicate-substring) ★	30.7%	Hard	
✔ 1011	Capacity To Ship Packages Within D Days (/problems/capacity-to-ship-packages-within-d-days)	64.4%	Medium	
✔ 852	Peak Index in a Mountain Array (/problems/peak-index-in-a-mountain-array) ★	69.6%	Medium	
378	Kth Smallest Element in a Sorted Matrix (/problems/kth-smallest-element-in-a-sorted-matrix)	61.5%	Medium	
1146	Snapshot Array (/problems/snapshot-array)	37.3%	Medium	
✔ 658	Find K Closest Elements (/problems/find-k-closest-elements)	45.1%	Medium	
540	Single Element in a Sorted Array (/problems/single-element-in-a-sorted-array)	58.5%	Medium	
981	Time Based Key-Value Store (/problems/time-based-key-value-store) ★	52.3%	Medium	
1428	Leftmost Column with at Least a One (/problems/leftmost-column-with-at-least-a-one) 🔓	53.0%	Medium	
✔ 327	Count of Range Sum (/problems/count-of-range-sum)	36.1%	Hard	
✔ 35	Search Insert Position (/problems/search-insert-position)	42.0%	Easy	
✔ 268	Missing Number (/problems/missing-number)	61.3%	Easy	
✔ 1004	Max Consecutive Ones III (/problems/max-consecutive-ones-iii) ★	63.5%	Medium	
✔ 167	Two Sum II - Input Array Is Sorted (/problems/two-sum-ii-input-array-is-sorted)	60.0%	Medium	
✔ 69	Sqrt(x) (/problems/sqrtx)	37.0%	Easy	
1631	Path With Minimum Effort (/problems/path-with-minimum-effort)	55.2%	Medium	
✔ 778	Swim in Rising Water (/problems/swim-in-rising-water)	59.5%	Hard	
✔ 719	Find K-th Smallest Pair Distance (/problems/find-k-th-smallest-pair-distance)	36.2%	Hard	
2055	Plates Between Candles (/problems/plates-between-candles)	44.9%	Medium	
✔ 532	K-diff Pairs in an Array (/problems/k-diff-pairs-in-an-array) ★	40.6%	Medium	
862	Shortest Subarray with Sum at Least K (/problems/shortest-subarray-with-sum-at-least-k)	26.1%	Hard	
✔ 350	Intersection of Two Arrays II (/problems/intersection-of-two-arrays-ii)	55.5%	Easy	
✔ 475	Heaters (/problems/heaters)	36.0%	Medium	
1027	Longest Arithmetic Subsequence (/problems/longest-arithmetic-subsequence)	47.3%	Medium	
2187	Minimum Time to Complete Trips (/problems/minimum-time-to-complete-trips)	31.7%	Medium	
878	Nth Magical Number (/problems/nth-magical-number)	35.8%	Hard	
826	Most Profit Assigning Work (/problems/most-profit-assigning-work)	44.0%	Medium	
2271	Maximum White Tiles Covered by a Carpet (/problems/maximum-white-tiles-covered-by-a-carpet)	32.2%	Medium	
754	Reach a Number (/problems/reach-a-number)	42.4%	Medium	
✔ 209	Minimum Size Subarray Sum (/problems/minimum-size-subarray-sum) ★	44.3%	Medium	
✔ 1539	Kth Missing Positive Number (/problems/kth-missing-positive-number)	55.8%	Easy	
✔ 367	Valid Perfect Square (/problems/valid-perfect-square)	43.2%	Easy	
1095	Find in Mountain Array (/problems/find-in-mountain-array)	35.8%	Hard	
888	Fair Candy Swap (/problems/fair-candy-swap)	60.5%	Easy	

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	1488	Avoid Flood in The City (/problems/avoid-flood-in-the-city)	26.0%	Medium	
	1712	Ways to Split Array Into Three Subarrays (/problems/ways-to-split-array-into-three-subarrays)	32.5%	Medium	
	1838	Frequency of the Most Frequent Element (/problems/frequency-of-the-most-frequent-element)	38.1%	Medium	
	1574	Shortest Subarray to be Removed to Make Array Sorted (/problems/shortest-subarray-to-be-removed-to-make-array-sorted)	36.4%	Medium	
	1337	The K Weakest Rows in a Matrix (/problems/the-k-weakest-rows-in-a-matrix)	73.2%	Easy	
✔	611	Valid Triangle Number (/problems/valid-triangle-number)	50.2%	Medium	
✔	1760	Minimum Limit of Balls in a Bag (/problems/minimum-limit-of-balls-in-a-bag)	60.3%	Medium	
	911	Online Election (/problems/online-election)	52.0%	Medium	
	902	Numbers At Most N Given Digit Set (/problems/numbers-at-most-n-given-digit-set)	41.4%	Hard	
	1483	Kth Ancestor of a Tree Node (/problems/kth-ancestor-of-a-tree-node)	33.8%	Hard	
	441	Arranging Coins (/problems/arranging-coins)	46.0%	Easy	
	1608	Special Array With X Elements Greater Than or Equal X (/problems/special-array-with-x-elements-greater-than-or-equal-x)	60.1%	Easy	
	1348	Tweet Counts Per Frequency (/problems/tweet-counts-per-frequency)	43.4%	Medium	
	887	Super Egg Drop (/problems/super-egg-drop)	27.2%	Hard	
	2009	Minimum Number of Operations to Make Array Continuous (/problems/minimum-number-of-operations-to-make-array-continuous)	45.6%	Hard	
✔	81	Search in Rotated Sorted Array II (/problems/search-in-rotated-sorted-array-ii) ★	35.7%	Medium	
	1508	Range Sum of Sorted Subarray Sums (/problems/range-sum-of-sorted-subarray-sums)	59.4%	Medium	
	400	Nth Digit (/problems/nth-digit)	34.0%	Medium	
	1060	Missing Element in Sorted Array (/problems/missing-element-in-sorted-array) 🔓	54.6%	Medium	
✔	702	Search in a Sorted Array of Unknown Size (/problems/search-in-a-sorted-array-of-unknown-size) 🔓	71.3%	Medium	
	1062	Longest Repeating Substring (/problems/longest-repeating-substring) 🔓	59.1%	Medium	
	1891	Cutting Ribbons (/problems/cutting-ribbons) 🔓	48.1%	Medium	
✔	744	Find Smallest Letter Greater Than Target (/problems/find-smallest-letter-greater-than-target)	44.6%	Easy	
	302	Smallest Rectangle Enclosing Black Pixels (/problems/smallest-rectangle-enclosing-black-pixels) 🔓	58.1%	Hard	
✔	222	Count Complete Tree Nodes (/problems/count-complete-tree-nodes)	57.2%	Medium	
✔	374	Guess Number Higher or Lower (/problems/guess-number-higher-or-lower)	50.3%	Easy	
	2234	Maximum Total Beauty of the Gardens (/problems/maximum-total-beauty-of-the-gardens)	27.9%	Hard	
✔	153	Find Minimum in Rotated Sorted Array (/problems/find-minimum-in-rotated-sorted-array) ★	48.4%	Medium	
	2258	Escape the Spreading Fire (/problems/escape-the-spreading-fire)	34.6%	Hard	
✔	270	Closest Binary Search Tree Value (/problems/closest-binary-search-tree-value) 🔓	54.5%	Easy	

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✔ 633	Sum of Square Numbers (/problems/sum-of-square-numbers)	34.7%	Medium	
2040	Kth Smallest Product of Two Sorted Arrays (/problems/kth-smallest-product-of-two-sorted-arrays)	29.0%	Hard	
✔ 1498	Number of Subsequences That Satisfy the Given Sum Condition (/problems/number-of-subsequences-that-satisfy-the-given-sum-condition)	38.6%	Medium	
1552	Magnetic Force Between Two Balls (/problems/magnetic-force-between-two-balls)	56.6%	Medium	
1793	Maximum Score of a Good Subarray (/problems/maximum-score-of-a-good-subarray)	53.0%	Hard	
✔ 1385	Find the Distance Value Between Two Arrays (/problems/find-the-distance-value-between-two-arrays)	65.3%	Easy	
1671	Minimum Number of Removals to Make Mountain Array (/problems/minimum-number-of-removals-to-make-mountain-array)	42.6%	Hard	
1847	Closest Room (/problems/closest-room)	35.0%	Hard	
✔ 1351	Count Negative Numbers in a Sorted Matrix (/problems/count-negative-numbers-in-a-sorted-matrix)	75.2%	Easy	
1292	Maximum Side Length of a Square with Sum Less than or Equal to Threshold (/problems/maximum-side-length-of-a-square-with-sum-less-than-or-equal-to-threshold)	53.1%	Medium	
436	Find Right Interval (/problems/find-right-interval)	50.3%	Medium	
2250	Count Number of Rectangles Containing Each Point (/problems/count-number-of-rectangles-containing-each-point)	33.7%	Medium	
2354	Number of Excellent Pairs (/problems/number-of-excellent-pairs)	45.9%	Hard	
2302	Count Subarrays With Score Less Than K (/problems/count-subarrays-with-score-less-than-k)	51.6%	Hard	
2398	Maximum Number of Robots Within Budget (/problems/maximum-number-of-robots-within-budget)	31.2%	Hard	
2251	Number of Flowers in Full Bloom (/problems/number-of-flowers-in-full-bloom)	51.8%	Hard	
352	Data Stream as Disjoint Intervals (/problems/data-stream-as-disjoint-intervals)	51.4%	Hard	
1648	Sell Diminishing-Valued Colored Balls (/problems/sell-diminishing-valued-colored-balls) ★	30.6%	Medium	
1818	Minimum Absolute Sum Difference (/problems/minimum-absolute-sum-difference)	30.2%	Medium	
2286	Booking Concert Tickets in Groups (/problems/booking-concert-tickets-in-groups)	15.5%	Hard	
2089	Find Target Indices After Sorting Array (/problems/find-target-indices-after-sorting-array)	77.0%	Easy	
✔ 154	Find Minimum in Rotated Sorted Array II (/problems/find-minimum-in-rotated-sorted-array-ii)	43.4%	Hard	
✔ 1099	Two Sum Less Than K (/problems/two-sum-less-than-k) 🔓	60.4%	Easy	
✔ 259	3Sum Smaller (/problems/3sum-smaller) 🔓	50.6%	Medium	
1170	Compare Strings by Frequency of the Smallest Character (/problems/compare-strings-by-frequency-of-the-smallest-character)	61.3%	Medium	
1739	Building Boxes (/problems/building-boxes)	51.5%	Hard	
1713	Minimum Operations to Make a Subsequence (/problems/minimum-operations-to-make-a-subsequence)	49.1%	Hard	

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2064	Minimized Maximum of Products Distributed to Any Store (/problems/minimized-maximum-of-products-distributed-to-any-store)	49.9%	Medium	
1231	Divide Chocolate (/problems/divide-chocolate) 🔓	56.8%	Hard	
2106	Maximum Fruits Harvested After at Most K Steps (/problems/maximum-fruits-harvested-after-at-most-k-steps)	35.1%	Hard	
1283	Find the Smallest Divisor Given a Threshold (/problems/find-the-smallest-divisor-given-a-threshold)	55.2%	Medium	
1562	Find Latest Group of Size M (/problems/find-latest-group-of-size-m)	42.4%	Medium	
1885	Count Pairs in Two Arrays (/problems/count-pairs-in-two-arrays) 🔓	58.9%	Medium	
668	Kth Smallest Number in Multiplication Table (/problems/kth-smallest-number-in-multiplication-table)	51.5%	Hard	
731	My Calendar II (/problems/my-calendar-ii)	54.2%	Medium	
1649	Create Sorted Array through Instructions (/problems/create-sorted-array-through-instructions)	37.2%	Hard	
2054	Two Best Non-Overlapping Events (/problems/two-best-non-overlapping-events)	44.6%	Medium	
1802	Maximum Value at a Given Index in a Bounded Array (/problems/maximum-value-at-a-given-index-in-a-bounded-array)	31.7%	Medium	
644	Maximum Average Subarray II (/problems/maximum-average-subarray-ii) 🔓	35.7%	Hard	
1187	Make Array Strictly Increasing (/problems/make-array-strictly-increasing)	45.2%	Hard	
✔ 2024	Maximize the Confusion of an Exam (/problems/maximize-the-confusion-of-an-exam)	59.3%	Medium	
2070	Most Beautiful Item for Each Query (/problems/most-beautiful-item-for-each-query)	49.4%	Medium	
1932	Merge BSTs to Create Single BST (/problems/merge-bsts-to-create-single-bst)	35.2%	Hard	
2141	Maximum Running Time of N Computers (/problems/maximum-running-time-of-n-computers)	38.7%	Hard	
732	My Calendar III (/problems/my-calendar-iii)	67.4%	Hard	
1923	Longest Common Subpath (/problems/longest-common-subpath)	27.8%	Hard	
1901	Find a Peak Element II (/problems/find-a-peak-element-ii)	53.5%	Medium	
275	H-Index II (/problems/h-index-ii)	37.3%	Medium	
793	Preimage Size of Factorial Zeroes Function (/problems/preimage-size-of-factorial-zeroes-function)	42.6%	Hard	
1213	Intersection of Three Sorted Arrays (/problems/intersection-of-three-sorted-arrays) 🔓	80.0%	Easy	
2071	Maximum Number of Tasks You Can Assign (/problems/maximum-number-of-tasks-you-can-assign)	35.0%	Hard	
1851	Minimum Interval to Include Each Query (/problems/minimum-interval-to-include-each-query)	47.3%	Hard	
1482	Minimum Number of Days to Make m Bouquets (/problems/minimum-number-of-days-to-make-m-bouquets)	56.9%	Medium	
2331	Evaluate Boolean Binary Tree (/problems/evaluate-boolean-binary-tree)	79.3%	Easy	
825	Friends Of Appropriate Ages (/problems/friends-of-appropriate-ages)	46.3%	Medium	
1439	Find the Kth Smallest Sum of a Matrix With Sorted Rows (/problems/find-the-kth-smallest-sum-of-a-matrix-with-sorted-rows) ★	61.3%	Hard	

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1751	Maximum Number of Events That Can Be Attended II (/problems/maximum-number-of-events-that-can-be-attended-ii)	55.6%	Hard	
✔ 2358	Maximum Number of Groups Entering a Competition (/problems/maximum-number-of-groups-entering-a-competition)	67.1%	Medium	
483	Smallest Good Base (/problems/smallest-good-base)	38.4%	Hard	
1198	Find Smallest Common Element in All Rows (/problems/find-smallest-common-element-in-all-rows) 🔓	76.1%	Medium	
1346	Check If N and Its Double Exist (/problems/check-if-n-and-its-double-exist)	36.0%	Easy	
786	K-th Smallest Prime Fraction (/problems/k-th-smallest-prime-fraction)	50.5%	Medium	
1870	Minimum Speed to Arrive on Time (/problems/minimum-speed-to-arrive-on-time)	37.2%	Medium	
1898	Maximum Number of Removable Characters (/problems/maximum-number-of-removable-characters)	39.1%	Medium	
✔ 710	Random Pick with Blacklist (/problems/random-pick-with-blacklist)	33.6%	Hard	
1150	Check If a Number Is Majority Element in a Sorted Array (/problems/check-if-a-number-is-majority-element-in-a-sorted-array) 🔓	56.8%	Easy	
1855	Maximum Distance Between a Pair of Values (/problems/maximum-distance-between-a-pair-of-values)	52.5%	Medium	
2080	Range Frequency Queries (/problems/range-frequency-queries)	37.9%	Medium	
✔ 1894	Find the Student that Will Replace the Chalk (/problems/find-the-student-that-will-replace-the-chalk)	43.5%	Medium	
2111	Minimum Operations to Make the Array K-Increasing (/problems/minimum-operations-to-make-the-array-k-increasing)	37.6%	Hard	
✔ 1201	Ugly Number III (/problems/ugly-number-iii)	28.5%	Medium	
2332	The Latest Time to Catch a Bus (/problems/the-latest-time-to-catch-a-bus)	22.5%	Medium	
1182	Shortest Distance to Target Color (/problems/shortest-distance-to-target-color) 🔓	55.5%	Medium	
2411	Smallest Subarrays With Maximum Bitwise OR (/problems/smallest-subarrays-with-maximum-bitwise-or)	39.2%	Medium	
1237	Find Positive Integer Solution for a Given Equation (/problems/find-positive-integer-solution-for-a-given-equation)	69.3%	Medium	
2226	Maximum Candies Allocated to K Children (/problems/maximum-candies-allocated-to-k-children)	35.8%	Medium	
1477	Find Two Non-overlapping Sub-arrays Each With Target Sum (/problems/find-two-non-overlapping-sub-arrays-each-with-target-sum)	36.9%	Medium	
2031	Count Subarrays With More Ones Than Zeros (/problems/count-subarrays-with-more-ones-than-zeros) 🔓	52.8%	Medium	
774	Minimize Max Distance to Gas Station (/problems/minimize-max-distance-to-gas-station) 🔓	51.4%	Hard	
497	Random Point in Non-overlapping Rectangles (/problems/random-point-in-non-overlapping-rectangles)	39.3%	Medium	
1064	Fixed Point (/problems/fixed-point) 🔓	63.5%	Easy	
1214	Two Sum BSTs (/problems/two-sum-bsts) 🔓	66.2%	Medium	
1300	Sum of Mutated Array Closest to Target (/problems/sum-of-mutated-array-closest-to-target)	43.1%	Medium	
1157	Online Majority Element In Subarray (/problems/online-majority-element-in-subarray)	42.0%	Hard	

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1954	Minimum Garden Perimeter to Collect Enough Apples (/problems/minimum-garden-perimeter-to-collect-enough-apples)	53.0%	Medium	
✔ 1208	Get Equal Substrings Within Budget (/problems/get-equal-substrings-within-budget) ★	47.4%	Medium	
1862	Sum of Floored Pairs (/problems/sum-of-floored-pairs)	28.2%	Hard	
1618	Maximum Font to Fit a Sentence in a Screen (/problems/maximum-font-to-fit-a-sentence-in-a-screen) 🔓	59.0%	Medium	
1521	Find a Value of a Mysterious Function Closest to Target (/problems/find-a-value-of-a-mysterious-function-closest-to-target)	43.6%	Hard	
1533	Find the Index of the Large Integer (/problems/find-the-index-of-the-large-integer) 🔓	50.7%	Medium	
10009	Design a Dating System (/problems/design-a-dating-system)	41.4%	Medium	
1782	Count Pairs Of Nodes (/problems/count-pairs-of-nodes)	37.9%	Hard	
1889	Minimum Space Wasted From Packaging (/problems/minimum-space-wasted-from-packaging) ★	30.6%	Hard	
1918	Kth Smallest Subarray Sum (/problems/kth-smallest-subarray-sum) 🔓	52.7%	Medium	
1956	Minimum Time For K Virus Variants to Spread (/problems/minimum-time-for-k-virus-variants-to-spread) 🔓	46.1%	Hard	
1964	Find the Longest Valid Obstacle Course at Each Position (/problems/find-the-longest-valid-obstacle-course-at-each-position)	46.7%	Hard	
1970	Last Day Where You Can Still Cross (/problems/last-day-where-you-can-still-cross)	49.0%	Hard	
1966	Binary Searchable Numbers in an Unsorted Array (/problems/binary-searchable-numbers-in-an-unsorted-array) 🔓	65.5%	Medium	
2137	Pour Water Between Buckets to Make Water Levels Equal (/problems/pour-water-between-buckets-to-make-water-levels-equal) 🔓	67.8%	Medium	
2179	Count Good Triplets in an Array (/problems/count-good-triplets-in-an-array)	36.2%	Hard	
2223	Sum of Scores of Built Strings (/problems/sum-of-scores-of-built-strings)	36.2%	Hard	
2300	Successful Pairs of Spells and Potions (/problems/successful-pairs-of-spells-and-potions)	31.3%	Medium	
✔ 2389	Longest Subsequence With Limited Sum (/problems/longest-subsequence-with-limited-sum)	63.9%	Easy	
2387	Median of a Row Wise Sorted Matrix (/problems/median-of-a-row-wise-sorted-matrix) 🔓	68.8%	Medium	

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