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Detailed Explanation of

Bit Manipulation



Overview



Bit Manipulation : Concepts



Bit Manipulation : Practice



Bit Manipulation: State Compression



Discuss

11 topics - share ideas and ask questions about this card

[\(/discuss/explore/bit-manipulation\)](/discuss/explore/bit-manipulation)

Introduction



Bit Manipulation : Concepts




- ☐ [A The basics of bit manipulation](#)
- ☐ [A Representing integers in comput...](#)
- ☐ [A Concepts and properties of bitw...](#)

Bit Manipulation : Practice



- ☐ [📄 Base 7](#)

<input type="checkbox"/>	A Example 504. Base 7
<input type="checkbox"/>	db Convert a Number to Hexadecimal
<input type="checkbox"/>	A Example 405. Convert a Number...
<input checked="" type="checkbox"/>	db Number of 1 Bits
<input type="checkbox"/>	db Reverse Bits
<input type="checkbox"/>	db Sum of Two Integers
<input type="checkbox"/>	A Example 371. Sum of Two Integers
<input checked="" type="checkbox"/>	db Gray Code
<input type="checkbox"/>	A Example 89. Gray Code
<input type="checkbox"/>	db Bitwise AND of Numbers Range
<input type="checkbox"/>	db Counting Bits
<input type="checkbox"/>	db Single Number
<input type="checkbox"/>	db Single Number II
<input type="checkbox"/>	db Single Number III

Bit Manipulation: State Compression		
<input type="checkbox"/>	A State Compression via Bit Manip...	
<input type="checkbox"/>	db Maximum Students Taking Exam	
<input type="checkbox"/>	A Example 1349. Maximum Studen...	