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# 3280. Convert Date to Binary

Easy

 Topics

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You are given a string `date` representing a Gregorian calendar date in the `yyyy-mm-dd` format.

`date` can be written in its binary representation obtained by converting year, month, and day to their binary representations without any leading zeroes and writing t

Return the **binary** representation of `date`.

### Example 1:

**Input:** `date = "2080-02-29"`

**Output:** `"100000100000-10-11101"`

**Explanation:**

`100000100000`, `10`, and `11101` are the binary representations of `2080`, `02`, and `29` respectively.

### Example 2:

**Input:** `date = "1900-01-01"`

**Output:** `"11101101100-1-1"`

**Explanation:**

`11101101100`, `1`, and `1` are the binary representations of `1900`, `1`, and `1` respectively.

### Constraints:

- `date.length == 10`
- `date[4] == date[7] == '-'`, and all other `date[i]`'s are digits.
- The input is generated such that `date` represents a valid Gregorian calendar date between Jan 1<sup>st</sup>, 1900 and Dec 31<sup>st</sup>, 2100 (both inclusive).