

5681. Check if Number is a Sum of Powers of Three

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Given an integer n , return `true` if it is possible to represent n as the sum of distinct powers of three. Otherwise, return `false`.

An integer y is a power of three if there exists an integer x such that $y = 3^x$.

Example 1:

Input: $n = 12$
Output: `true`
Explanation: $12 = 3^1 + 3^2$

Example 2:

Input: $n = 91$
Output: `true`
Explanation: $91 = 3^0 + 3^2 + 3^4$

Example 3:

Input: $n = 21$
Output: `false`

Constraints:

- $1 \leq n \leq 10^7$

TypeScript



```
1 function checkPowersOfThree(n: number): boolean {  
2  
3 };
```

☐ Custom Testcase☒ Use Example Testcases

Run

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