## Next Happy Year

You are saying goodbye to your best friend: "***See you next happy year"***. Happy Year is the year with only **distinct digits**, for example 2018. Write a program that receives an integer number and finds the next happy year.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 8989 | 9012 |
| 1001 | 1023 |