```python
input_year = int(input())

if (input_year % 400 == 0) and (input_year % 100 == 0):
    print(input_year, "- leap year")
elif (input_year % 4 ==0) and (input_year % 100 != 0):
    print(input_year,  "- leap year")
else:
    print(input_year, "- not a leap year")
```