Random1000 Using Random5

```python
class Solution(object):
  def random1000(self, random5):
    """
    write your solution here
    you can use random5() for generating
    0 — 4 with equal probability
    """
    while True:
      num = 0
      for i in range(5):
        num = 5 * num + random5()
      if num < 3000:
        return num % 1000
```