

Quiz 10

COMP9021 Principles of Programming

2015 session 2

”grep itertools quiz_10.py” should exit silently, otherwise your code won’t be assessed and you will not get any mark

Sample outputs

```
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 1
Lexicographically , the permutation of 0, ..., 2 of rank 1 is: 012
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 2
Lexicographically , the permutation of 0, ..., 2 of rank 2 is: 021
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 3
Lexicographically , the permutation of 0, ..., 2 of rank 3 is: 102
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 4
Lexicographically , the permutation of 0, ..., 2 of rank 4 is: 120
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 5
Lexicographically , the permutation of 0, ..., 2 of rank 5 is: 201
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 3 6
Lexicographically , the permutation of 0, ..., 2 of rank 6 is: 210
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 5 2
Lexicographically , the permutation of 0, ..., 4 of rank 2 is: 01243
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 8 1234
Lexicographically , the permutation of 0, ..., 7 of rank 1234 is: 02634571
$ python3 quiz_10.py
Enter two strictly positive integers ,
  the first one at most equal to 10
  the second one at most equal to first one!: 10 987654
Lexicographically , the permutation of 0, ..., 9 of rank 987654 is: 2749630851
```