```
Entrée [1]:
# --- anneaux (non dirigés)
def A(n):
    """ on fabrique un anneau (non dirigé) de taille n >= 3
    A = [[x,x+2] \text{ for } x \text{ in } range(n-2)]
    A.insert(0,[1,n-1])
    A.append([0,n-2])
    return A
Entrée [2]:
print(A(5))
[[1, 4], [0, 2], [1, 3], [2, 4], [0, 3]]
Entrée [3]:
print(A(3))
[[1, 2], [0, 2], [0, 1]]
Entrée [4]:
# --- roues (non dirigées)
def R(n):
    """ on fabrique une roue avec n sommets
    R = [x,x+2] for x in range(1,n-2)
    R.insert(0,[2,n-1])
    R.append([1,n-2])
    R.insert(0,[x for x in range(1,n)])
    return R
Entrée [5]:
print(R(3), "\n"); print(R(4), "\n"); print(R(5))
[[1, 2], [2, 2], [1, 1]]
[[1, 2, 3], [2, 3], [1, 3], [1, 2]]
[[1, 2, 3, 4], [2, 4], [1, 3], [2, 4], [1, 3]]
Entrée [6]:
# --- graphes complets
def K(n):
    """ on fabrique un graphe complet avec n >= 2 sommets
    K = [[x \text{ for } x \text{ in } range(n) \text{ if } x != y] \text{ for } y \text{ in } range(n)]
    return K
```

Entrée [7]:

```
print(K(3),"\n"); print(K(5))
```

[[1, 2], [0, 2], [0, 1]] [[1, 2, 3, 4], [0, 2, 3, 4], [0, 1, 3, 4], [0, 1, 2, 4], [0, 1, 2, 3]]