

1 Correction du TD 6

Exercice 1

```
import random
class Piece :
    def tirage_aleatoire(self, precedent) :
        return random.randint(0,1)
    def moyenne_tirage(self, n):
        tirage = [ ]
        for i in range (n) :
            precedent = tirage[-1] if i > 0 else None
            tirage.append( self.tirage_aleatoire (precedent) )
        s = sum(tirage)
        return s * 1.0 / len(tirage)

p = Piece()
print (p.moyenne_tirage(100))
```

Exercice 2

```
class PieceTruquee (Piece) :
    def tirage_aleatoire(self, precedent) :
        if precedent == None or precedent == 1 :
            return random.randint(0,1)
        else :
            return 1 if random.randint(0,9) >= 3 else 0

p = PieceTruquee()
print (p.moyenne_tirage(100))
```

Exercice 3

```
class PieceTruqueeMix (PieceTruquee) :
    def tirage_aleatoire(self, precedent) :
        if random.randint(0,1) == 0 :
            return Piece.tirage_aleatoire(self, precedent)
        else :
            return PieceTruquee.tirage_aleatoire(self, precedent)

p = PieceTruqueeMix()
print (p.moyenne_tirage(100))
```

Exercice 4

```
print (moyenne_tirage(100, lambda v : random.randint(0,1) if random.randint(0,1) == 0 \
        else truquee(v)))
```

fin correction TD ?? □