Les nombres d'Armstrong à trois chiffres

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In [3]: #1 Méthode brute
        def Armstrong1():
            for c in range(1,10):
                for d in range(10):
                    for u in range(10):
                        if c*100 + d*10 + u == c**3 + d**3 + u**3:
                            print(c*100 + d*10 + u, end="")
In [4]: Armstrong1()
        153 370 371 407
In [5]: #2 Méthode de décomposition
        def unite(n): return n%10
        def dizaine(n): return unite(n//10)
        def centaine(n): return unite(n//100)
In [6]: centaine(1235)
Out[6]: 2
In [7]: unite(1235)
Out[7]: 5
```

In [8]:	dizaine(1235)
Out[8]:	3
In [9]:	<pre>def Armstrong2(): return [n for n in range(100,1000) if n == unite(n)**3 + dizaine(n)**3+centaine(n)**3]</pre>
In [10]:	Armstrong2()
Out[10]:	[153, 370, 371, 407]
In []:	
In []:	