

Week 10 Quiz

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March 19, 2015

1 What I wrote

```
def soln(a, b, k, e):  
    c = 0  
    while c <= e:  
        print ((float (a) / b**k)**c)  
        c += 1
```

2 what to test

$a = 4, b = 2, k = 1, n = b^10$ (note: actually $e = 10$)
 $a = 1, b = 2, k = 0, n = b^10$
 $a = 1, b = 3, k = 1, n = b^10$

3 results

1.0
2.0
4.0
8.0
16.0
32.0
64.0
128.0
256.0
512.0
1024.0
1.0
1.0
1.0
1.0
1.0
1.0
1.0

1.0
1.0
1.0
1.0
1.0
0.3333333333333333
0.1111111111111111
0.03703703703703703
0.012345679012345677
0.004115226337448558
0.0013717421124828527
0.00045724737082761756
0.0001524157902758725
5.0805263425290837e-05
1.693508780843028e-05