

Sheet1

beep(4)

beep
beep(3)

beep
beep(2)

beep
beep(1)

beep
beep(0)

etc... stack overflow

moo(3)

moo
moo(2)

moo
moo(1)

moo
moo(0)

moo

count(4)	count(3)	count(2)	count(1)	count(0)	0
	4	3	2	1	

0
1
2
3
4

pattern(3)	3			
	pattern(2)	2		
	3	pattern(1)	1	
		2	pattern(0)	0
			1	0

3
2
1
0
0
1
2
3

s(3)	s(2)	s(1)	s(0)
return(3+s(2))	return(2+s(1))	return(1+s(0))	return(0)

6	s(3)=6	s(2)=3	s(1)=1	s(0)
	return(3+3)	return(2+1)	return(1+0)	return(0)