

twoSpookyfourMe

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```
def function TwoSpookyFourME (int n) {  
  if (n is odd && n!=1)  
    TwoSpookyFourMe(3*n+1);  
  else  
    TwoSpookyFourMe(n/2);  
}
```

Provide either a proof that this terminates for all $n > 0$ or a counter-example for a specific n .