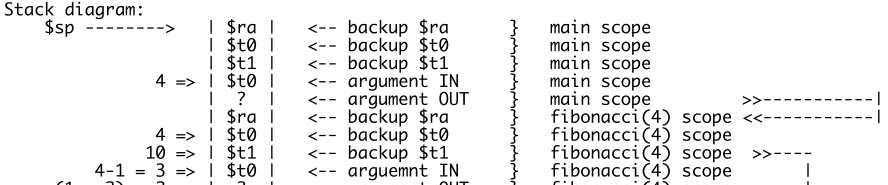
main calls: fibonacci(4)

Stack diagram:



Algorithm:

```
    fibonacci(int value) {
           if(term <= 2) {
               return term;
           }

           return fibonacci(value - 1) + fibonacci(value - 2);
       }
```

Note:

* scope is an object oriented term, stack frame might be a better synonym