# Fibonacci 2

**INVOCATION:**

(! (FIBONACCI2 $N $RESULT))

**CONTEXT:**

**SETTING:**

**EFFECTS:**

((=> (FIBONACCI2 $N $RESULT)))

**PROPERTIES:**



START

(? (<= $N 1))    (? (<> $N 1))

S1    S3

(! (= $RESULT 1))

(! (FIBONACCI2 (- $N 1) $RES2))

END1

S4

(! (FIBONACCI2 (- $N 2) $RES3))

S5

(! (= $RESULT (+ $RES2 $RES3)))

END2

**DOCUMENTATION:**

"This OP computes the Fibonacci of $n and remember the
previous value.
By the way, FIBONACCI2 should NOT be declared as a op_predicate."