2009年阅读程序

2009r1

```
a% = 1
b% = 1

FOR i = 1 TO 10
  c% = a% + b%
  a% = b%
  b% = c%
NEXT i
PRINT c%
```

2009r2

```
DECLARE SUB foo (a AS INTEGER, b AS INTEGER, c AS INTEGER)
a% = 2
b% = 1
c% = 3
CALL foo(a%, b%, c%)

SUB foo (a AS INTEGER, b AS INTEGER, c AS INTEGER)
  IF a > b THEN
    CALL foo(c, a, b)
  ELSE
    PRINT a; ","; b; ","; c
  END IF
END SUB
```

2009r3

```
DECLARE FUNCTION foo (n AS INTEGER)
CLS
DIM x AS INTEGER
READ x
PRINT foo(x)
DATA 6

FUNCTION foo (n AS INTEGER)
  IF n = 0 THEN
    foo = 1
    EXIT FUNCTION
  END IF
  foo = n * foo(n - 1)
END FUNCTION
```

2009r4

```
DIM r(101), i, j AS INTEGER
FOR i = 2 TO 100
  r(i) = 1
NEXT i

FOR i = 2 TO 100
  IF r(i) <> 0 THEN
    j = i + i
    WHILE j <= 100
      r(j) = 0
      j = j + i
    WEND
  END IF
NEXT i

PRINT r(71)
```