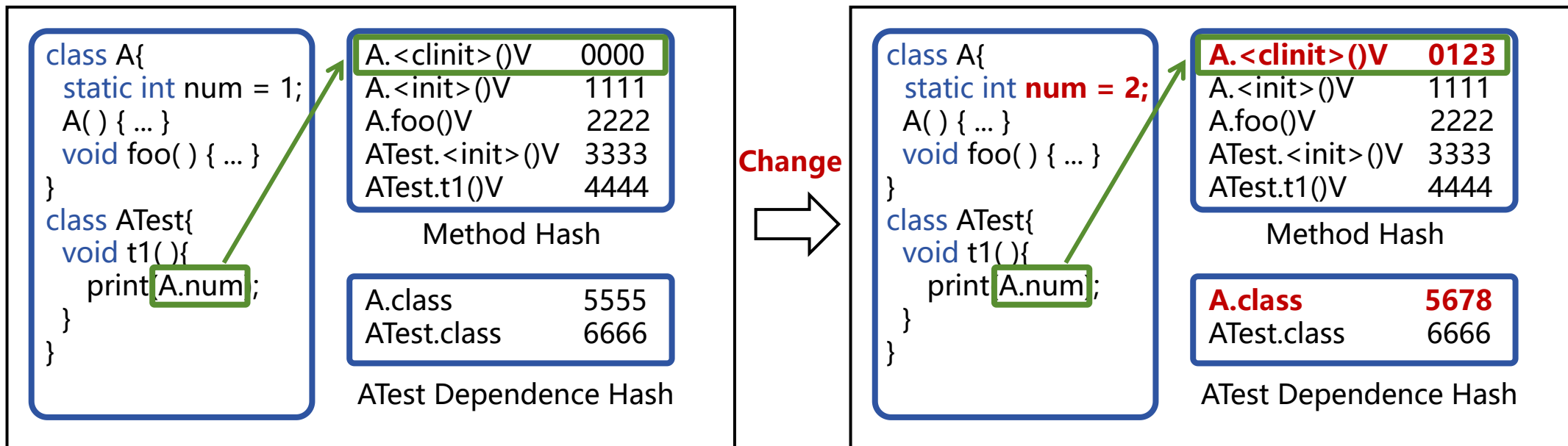Non-Static Field Change

The **green** color represents the method call graph.
The **red** color represents the code changes.

For non-static field changes, this change will affect the hash value of **A.<init>()V** and affect the test class through the method call graph. Therefore, JcgEks can correctly select ATest.

Static Field Change

class A{
  static int num = 1;
  A( ) { ... }
  void foo( ) { ... }
}
class ATest{
  void t1( ){
    print A.num ;
  }
}

A.<clinit>()V	0000
A.<init>()V	1111
A.foo()V	2222
ATest.<init>()V	3333
ATest.t1()V	4444

Method Hash

| A.class | 5555 |
| ATest.class | 6666 |

ATest Dependence Hash

Change

class A{
  static int **num = 2;**
  A( ) { ... }
  void foo( ) { ... }
}
class ATest{
  void t1( ){
    print A.num ;
  }
}

A.<clinit>()V	**0123**
A.<init>()V	1111
A.foo()V	2222
ATest.<init>()V	3333
ATest.t1()V	4444

Method Hash

| **A.class** | **5678** |
| ATest.class | 6666 |

ATest Dependence Hash

Static Field Change

The **green** color represents the method call graph.
The **red** color represents the code changes.

For static field changes, this change will affect the hash value of **A.<clinit>()V** and affect the test class through the method call graph(). Therefore, JcgEks can also correctly select ATest.