Input

 # Source Code:

```
namespace MainProject
{
  class MainClass
  {
    public void MainMethod()
    {
      int[] a_1 = new int[1] { 0 };
      int[] a_3 = new int[1] { 0 };
      int e_0;
      int e_2;
      int[] a1 = new int[1] { 0 };
      int[] a2 = new int[1] { 0 };
      int i1;
    }
  }
}
```

 # Class Name:
MainClass

 # Method Name:
MainMethod

 # Path Constraint:
a1[i1] == e_0 && a_1 == a1 && a2[i1] == e_2 && a_3 == a2 && e_0 == a2[i1] && e_2 == a1[i1] && a_1 == a_3 && !(a1== a2)

Output

Path Constraint:
(a1[i1]==e_0&&i1>=0&&i1<1)&&a_1==a1&&(a2[i1]==e_2&&i1>=0&&i1<1)&&a_3==a2&&(e_0==a2[i1]&&i1>=0&&i1<1)&&(e_2==a1[i1]&&i1>=0&&i1<1)&&a_1==a_3&&(a1!=a2)

Results:
Unsatisfiable

Execution Time: 488 ms