PROGRAM:

```solidity
pragma solidity ^0.5.0;


contract Migrations {
  address public owner;
  uint public last_completed_migration;


  modifier restricted() {
   if (msg.sender == owner) _;
  }


  constructor() public {
   owner = msg.sender;
  }


  function setCompleted(uint completed) public restricted {
   last_completed_migration = completed;
  }


  function upgrade(address new_address) public restricted {
   Migrations upgraded = Migrations(new_address);
   upgraded.setCompleted(last_completed_migration);
  }
}
```