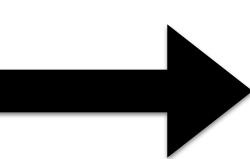
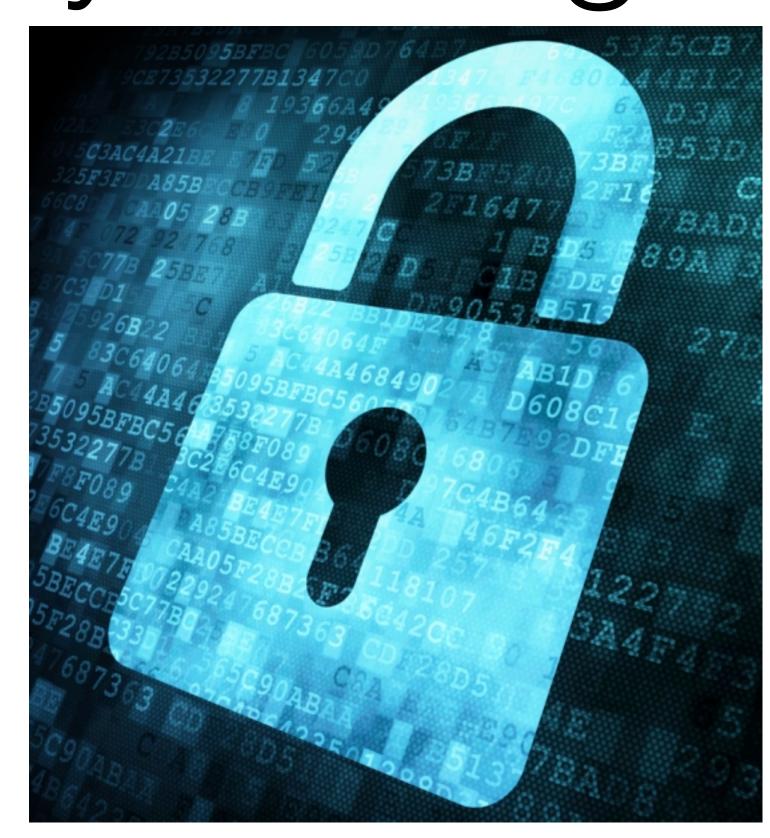
### CSE 504: Project Proposal

Jennifer Niederländer 01/13/2016

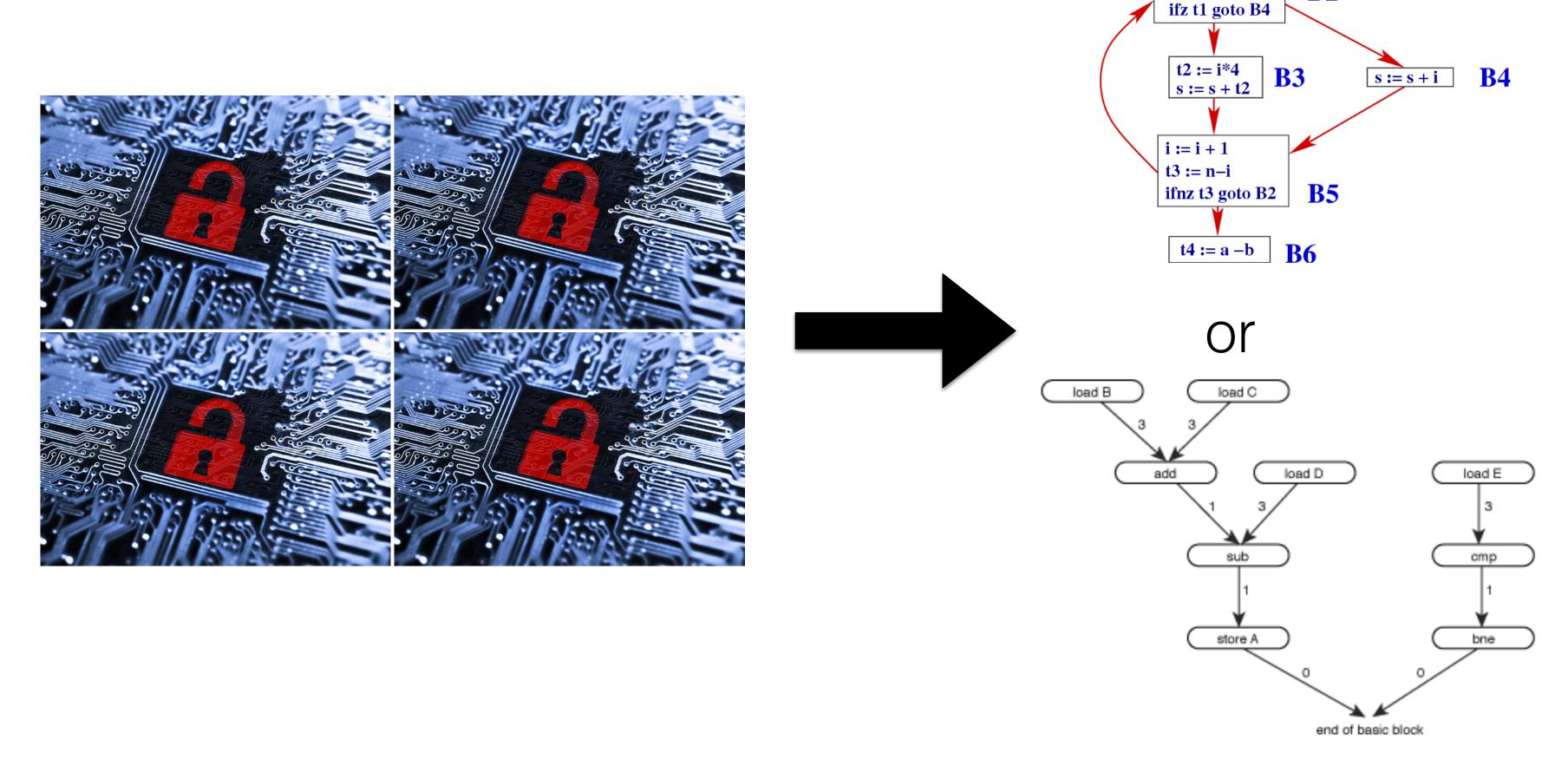
#### Improving Security Testing







Improving Security Testing



Collect security errors

Derive Patterns

n := 10

```
public class TcpClientSample
   public static void Main()
       byte[] data = new byte[1024]; string input, stringData;
       TcpClient server;
           server = new TcpClient(" · · · · ", port);
           Console.WriteLine("Unable to connect to server");
        try{
        }catch (SocketException) {
        NetworkStream ns = server.GetStream();
        int recv = ns.Read(data, 0, data.Length);
           ASCII.GetString(data, 0, recv);
        stringData = Encoding.
        Console.WriteLine(stringData);
              input = Console ReadLine();
              if (input == "exit") break;
                         newchild.Properties["ou"].Add
         while(true){
                          ("Auditing Department");
                              newchild. CommitChanges();
                                  Janes ();
```

```
public class TcpClientSample
   public static void Main()
       byte[] data = new byte[1024]; string input, stringData;
       TcpClient server;
           server = new TcpClient(" . . . . ", port);
           Console.WriteLine("Unable to connect to server");
        try{
        }catch (SocketException) {
        NetworkStream ns = server.GetStream();
        int recv = ns.Read(data, 0, data.Length);
           ASCII.GetString(data, 0, recv);
        stringData = Encoding.
         Console.WriteLine(stringData)i
              input = Console.ReadLine();
              if (input == "exit") break;
                          newchild.Properties["ou"].Add
         while(true) {
                           ("Auditing Department");
                              newchild.commitChanges();
```

- Take the code
- 2. Point out potential slow code
- 3. Suggest how to improve these segments

```
for(int i=1; i<=10; ++i)
   DoSomething(i);</pre>
```

- Take the code
- 2. Point out potential slow code
- 3. Suggest how to improve these segments

```
for(int i=1; i<=10; ++i)
DoSomething(i);</pre>
```

- Take the code
- 2. Point out potential slow code
- 3. Suggest how to improve these segments

DoSomething(n);

```
for(int i=1; i<=10; ++i)
DoSomething(i);</pre>
```

DoSomething(n);

- 1. Collect data about performance issues
- 2. Collect data how these issues were solved
- 3. Develop patterns

#### Sources

- http://www.businessinsider.com/nsa-trained-snowden-to-hack-2013-7
- http://www.tnooz.com/article/hotel-security-under-question-as-hacker-says-electronic-locks-can-be-opened/
- http://www.computerworld.com/author/darlene-storm/?start=12
- http://www.csd.uwo.ca/~moreno/CS447/Lectures/CodeOptimization.html/node6.html
- http://www.lighterra.com/papers/basicinstructionscheduling/
- http://lazytechguys.com/featured/10-reasons-why-anyone-must-learn-to-code#.VpWMI5PhCYU
- http://www.mausebaeren.com/schnecken.html
- http://www.thegeekstuff.com/2015/01/c-cpp-code-optimization/?
   utm\_source=feedburner&utm\_medium=email&utm\_campaign=Feed%3A+TheGeekStuff+(The+Geek+Stuff)