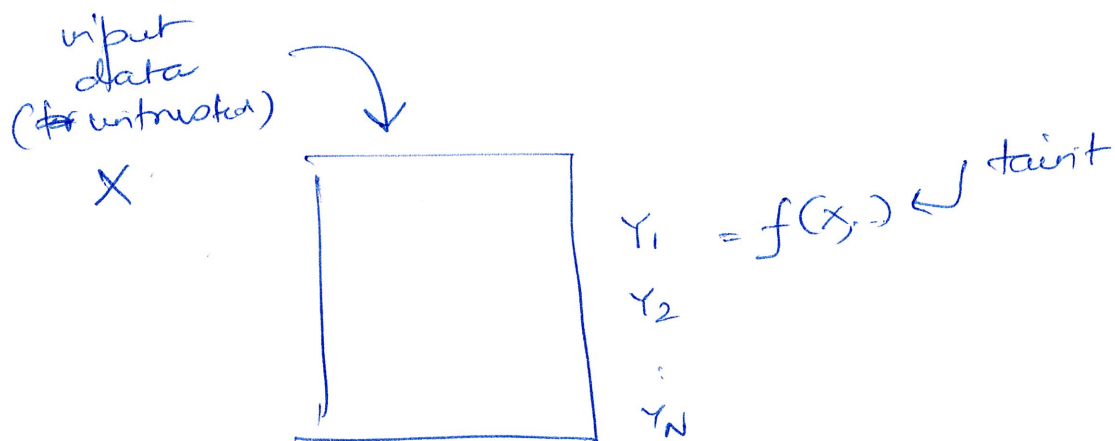


Taint tracking
for dealing with untrusted data



Data-based
taint tracking

System critical operation
on Y_i

Control-based
taint tracking

if $(Y_j == T)$



else



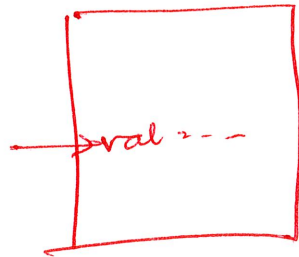
INSERT INTO Students (firstname) VALUES ('Elaine'
Robert'); DROP TABLE Students; --

Non re-entrant functions

```
foo( )  
{  
    val = --- ;  
    val2 = val + --- ;  
}  
  
Interrupt  
Exception →  
└─→ Interrupt  
      Exception handler  
      {  
          val = -- ;  
      }  
}
```

```
foo1 ( )
{
    atomic
```

Shared
variable



```
}
```

```
foo2 ( )
{
```

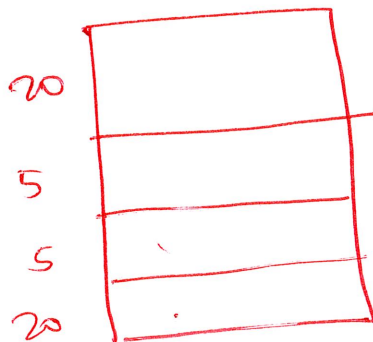
val = ---

```
}
```

dst Acct. SetBal (dst Acct. getBal() + xfrAmt)



dst Acct.
getBal()



50 Assembly
instructions

CERT. SEI