

Incremental Verification

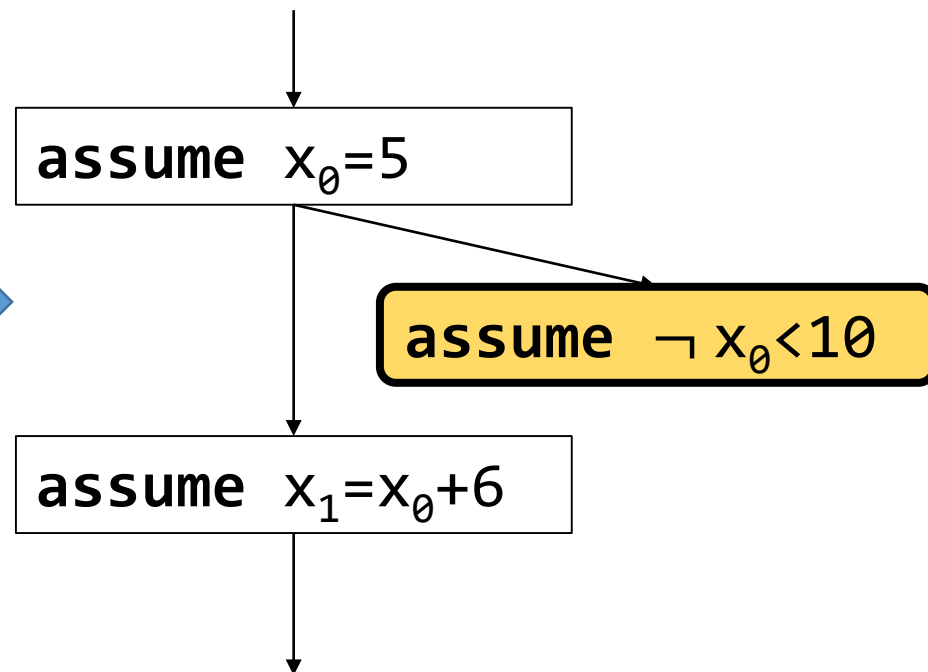
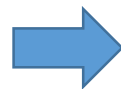
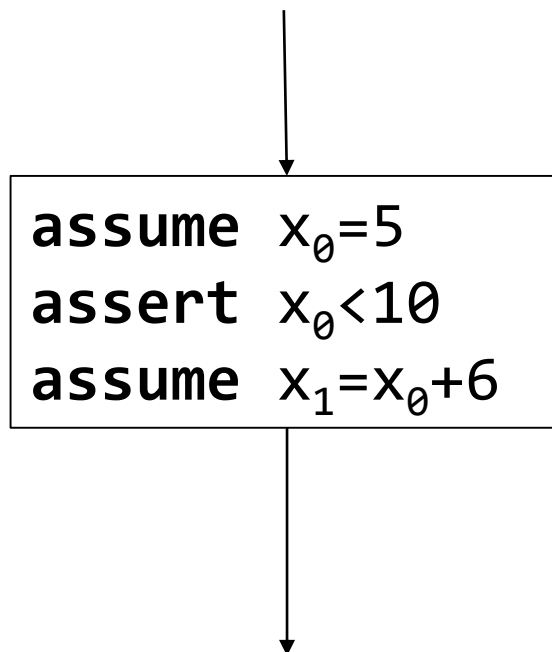
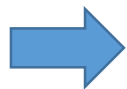
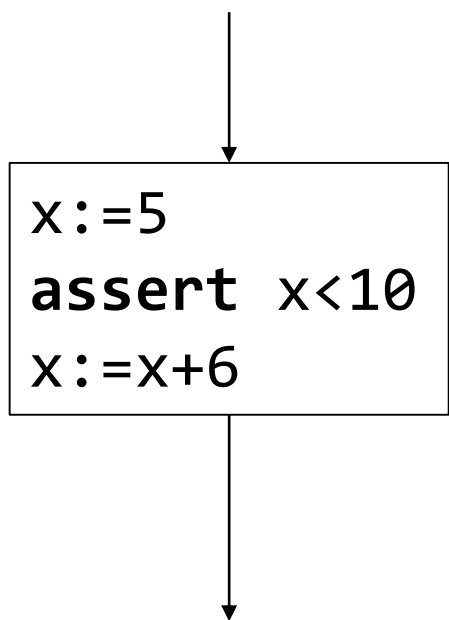
Uri Juhasz

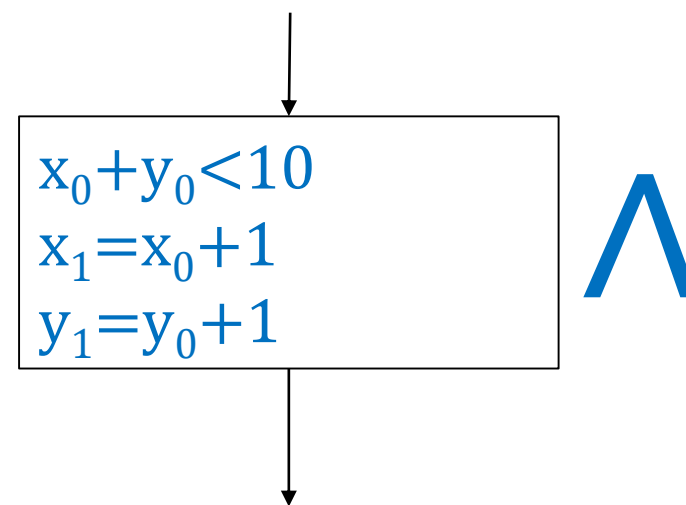
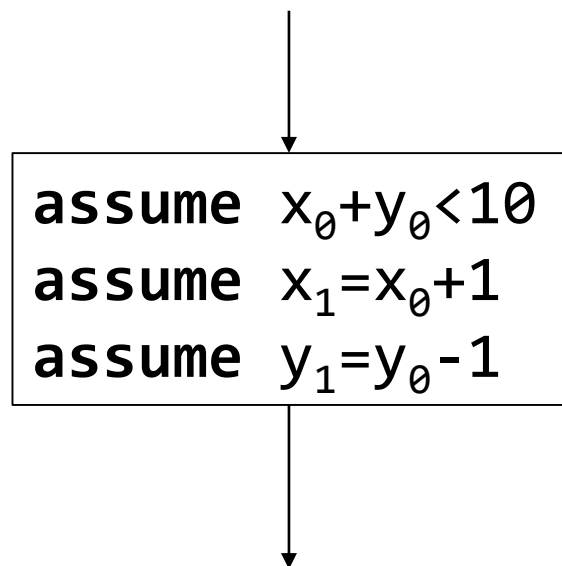
Examiner: Prof. Dr. Peter Müller

Co-examiners: Prof. Dr. Martin Vechev

Prof. Dr. Clark Barrett

Prof. Dr. Arie Gurfinkel



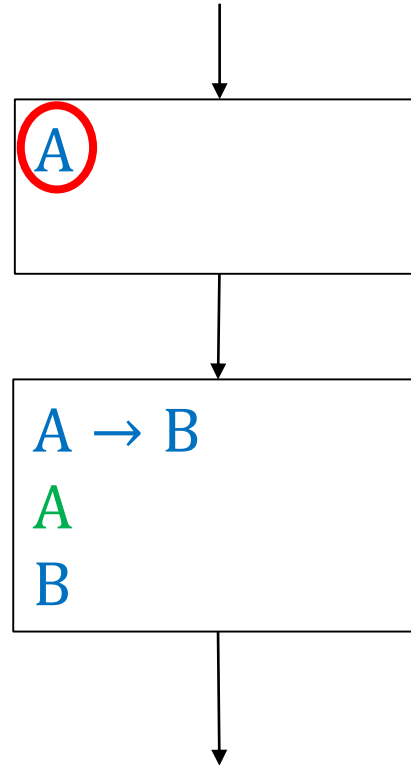


Deduction

$$\frac{A \quad A \rightarrow B}{B}$$

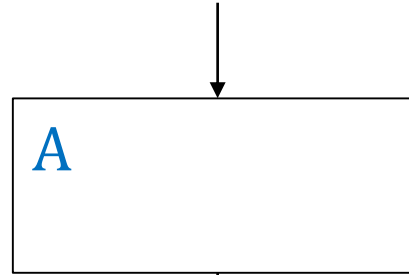
$A \rightarrow B$
 A
 B

Propagation

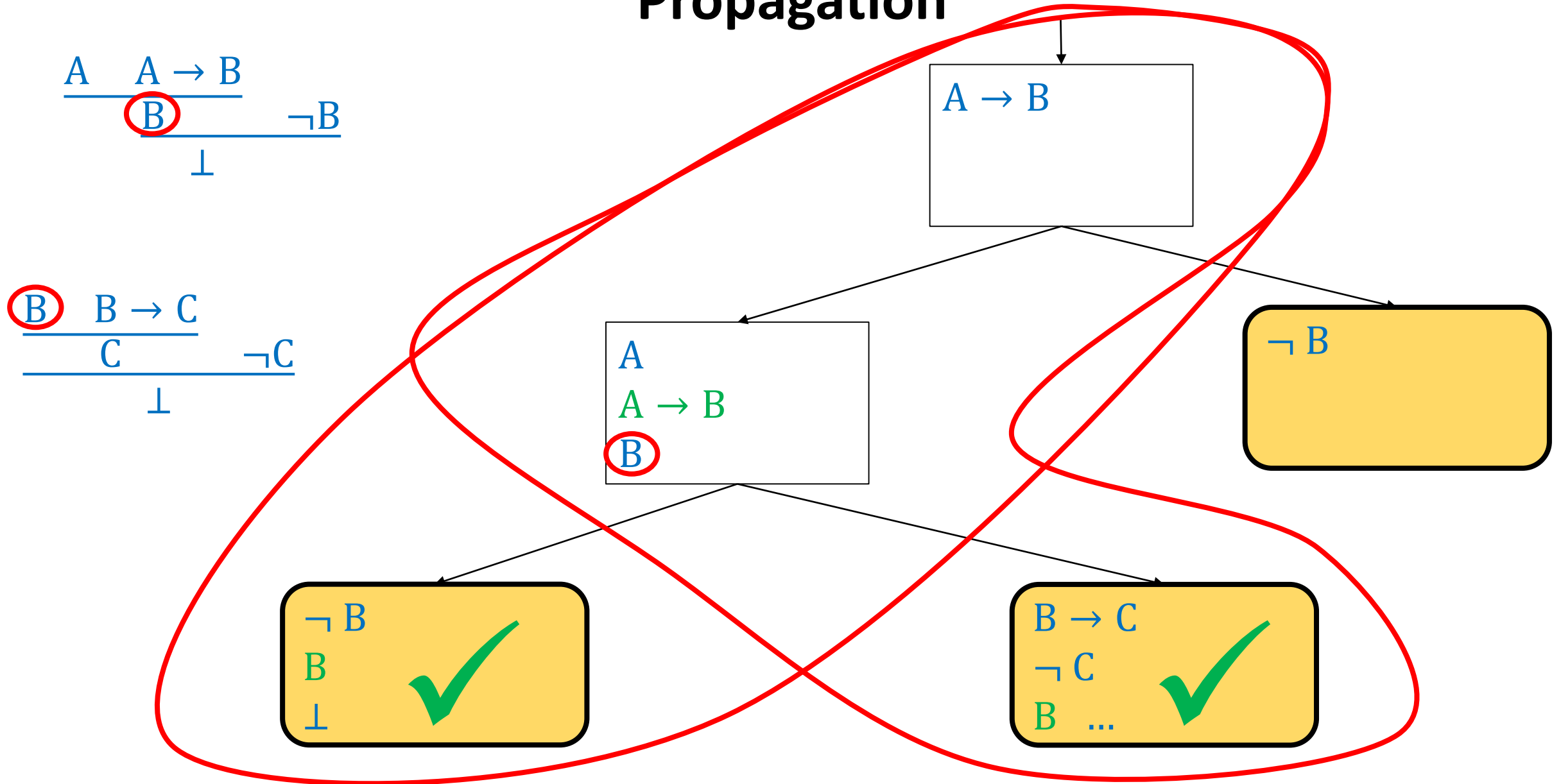


Propagation

$$\frac{A \quad \neg A}{\perp}$$



Propagation



```
method p(a,b : Int)
```

```
  a:=5
```

```
  if (*)
```

```
    x.g:=6
```

```
  assert x.f=5
```

