



# IN [5/9]440: static analysis

Autumn 2018

## Handout 5

31. 10. 2018

### Handout 5: Procedures

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#### Example 1 (Fibonacci)

```
begin  proc fib(val z, u, res v) is1
        if   [z < 3]2
        then [v := u + 1]3
        else [call fib(z - 1, u, v)]4;
             [call fib(z - 2, v, v)]6
        end8;
        [call fib(x, 0, y)]9
end
```

Example: fibonacci flow

