Some Class
Random Examples

Your Name

1 Hallo

Lemma 1.1: Testing

Hallo

Definition 1.1: Konjunktive und Disjunktive Normalform

Hallo

```
1 printf("Hallo World");
```

Listing 1: Hallo

```
1 print("Hallo World");
```

Listing 2: Hallo

Theorem 1.1: Theorem

proof rules MT, ¬¬i, PBC and LEM are derivable from other (basic) proof rules

Proof 1.1: Proof

1.	$p \to q$	premise
2.	$r \to p$	assumption
3.	r	assumption
4.	p	$\to$ e: 2,3
5.	q	$\to$ e: 1, 4
6.	$r \to q$	$\to i : 4, 5$
7.	$r \to p \to r \to q$	$\to i$ 3–5

Example 1.1

formula$p \to q \to p \to p$ is valid

Proof 1.2: Proof

	q_1	q_1	$\overline{q_1}$	$\overline{q_1}$
X	0	D	0	0
$\overline{X}$	0	D	1	0
	$\overline{q_0}$	q_0	q_0	$\overline{q_0}$