

Stable models

- $S = \{ p \leftarrow q, p \leftarrow \text{not } q, q \leftarrow q \}$
 - $X = \{p\}$: $S^X = \{p \leftarrow q, p \leftarrow \text{not } q\}$; $\text{LHM}(X) = \{p\}$ – a stable model
 - $X = \{\}$: $S^X = \{p \leftarrow q, p \leftarrow \text{not } q, q \leftarrow q\}$; $\text{LHM}(X) = \{p\}$ – not a stable model
 - $X = \{q\}$: $S^X = \{p \leftarrow q, q \leftarrow q\}$; $\text{LHM}(X) = \{\}$ – not a stable model
 - $X = \{p, q\}$: $S^X = \{p \leftarrow q, q \leftarrow q\}$; $\text{LHM}(X) = \{\}$ – not a stable model
- $S = \{ p \leftarrow \text{not } p \}$
 - $X = \{p\}$: $S^X = \{\}$; $\text{LHM}(X) = \{\}$ – not a stable model
 - $X = \{\}$: $S^X = \{p\}$; $\text{LHM}(X) = \{p\}$ – not a stable model