

## Supported and minimal models are not necessarily answer sets (Chs 1, 3)

All answer sets of an AnsProlog program are supported and minimal. But the reverse is not true. Consider the following program:

$p \leftarrow p$   
 $q \leftarrow \mathbf{not} p$

The only answer set of this program is  $\{q\}$ . But  $\{p\}$ , although not an answer set, is a minimal model and is supported.

*Acknowledgement:* Michael Gelfond suggested the counter example.