- 31 Express formally
- (a) the absolute value of a real number x.
- (b) the sign of a real number x, which is -1, 0, or +1 depending on whether x is negative, zero, or positive.

After trying the question, scroll down to the solution.

Solutions

- (a) the absolute value of a real number x.
- § if $x \ge 0$ then x else -x fi
- (b) the sign of a real number x, which is -1, 0, or +1 depending on whether x is negative, zero, or positive.
- § if x < 0 then -1 else if x = 0 then 0 else 1 fi fi