SNOC

Define a primitive recursive function *snoc* that appends an element at the *right* end of a list. Do not use @ itself.

consts
  `snoc :: "'a list => 'a => 'a list"`

Prove the following theorem:

theorem `rev_cons: "rev (x # xs) = snoc (rev xs) x"`

Hint: you need to prove a suitable lemma first.