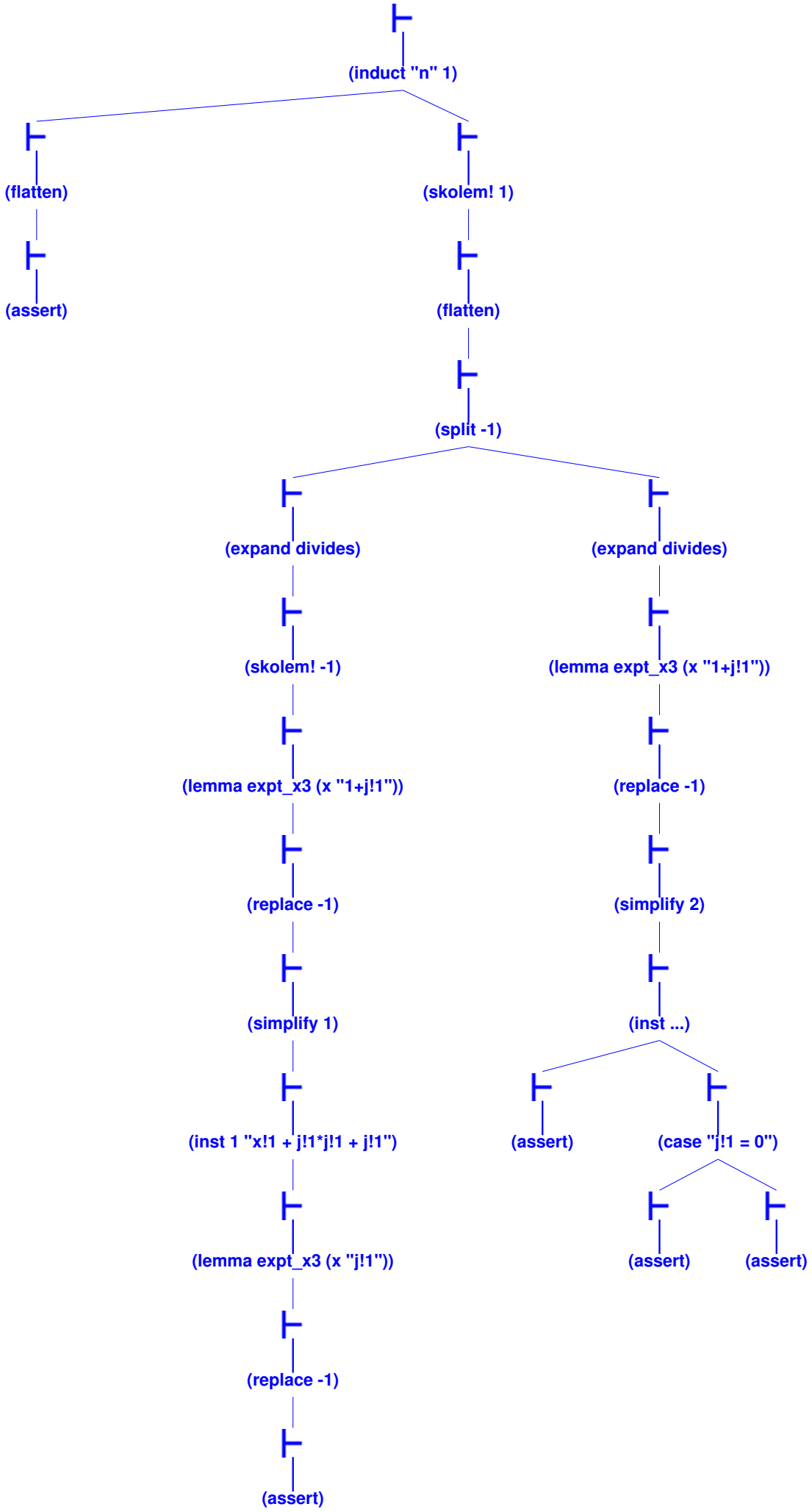
(induct "n" 1)
(flatten)
(assert)
(skolem! 1)
(flatten)
(split -1)
(expand divides)
(skolem! -1)
(lemma expt_x3 (x "1+j!1"))
(replace -1)
(simplify 1)
(inst 1 "x!1 + j!1*j!1 + j!1")
(lemma expt_x3 (x "j!1"))
(replace -1)
(assert)
(expand divides)
(lemma expt_x3 (x "1+j!1"))
(replace -1)
(simplify 2)
(inst ...)
(assert)
(case "j!1 = 0")
(assert)
(assert)