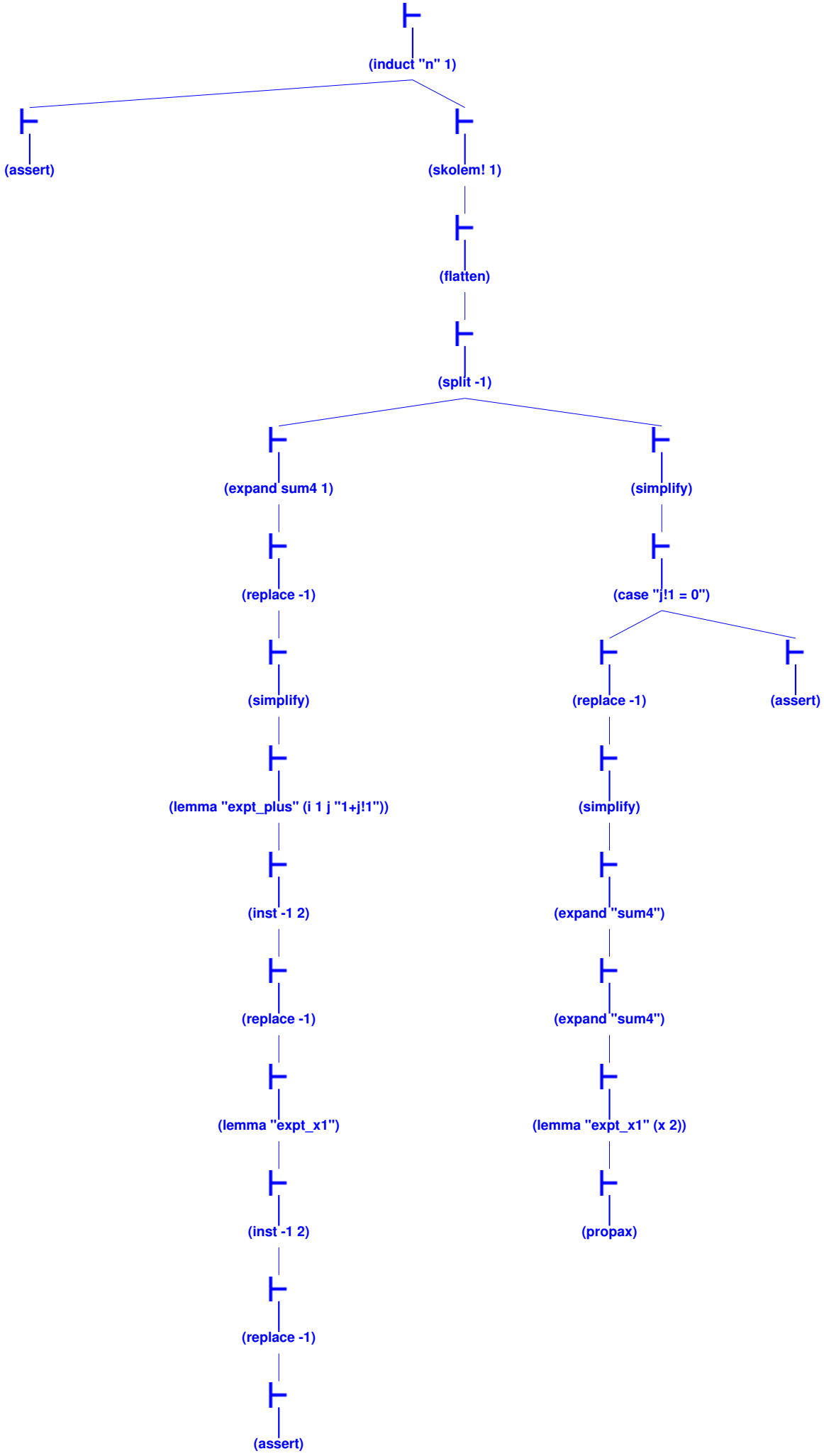
(induct "n" 1)
(assert)
(skolem! 1)
(flatten)
(split -1)
(expand sum4 1)
(simplify)
(replace -1)
(case "j!1 = 0")
(simplify)
(replace -1)
(assert)
(lemma "expt_plus" (i 1 j "1+j!1"))
(simplify)
(inst -1 2)
(expand "sum4")
(replace -1)
(expand "sum4")
(lemma "expt_x1")
(lemma "expt_x1" (x 2))
(inst -1 2)
(propax)
(replace -1)
(assert)