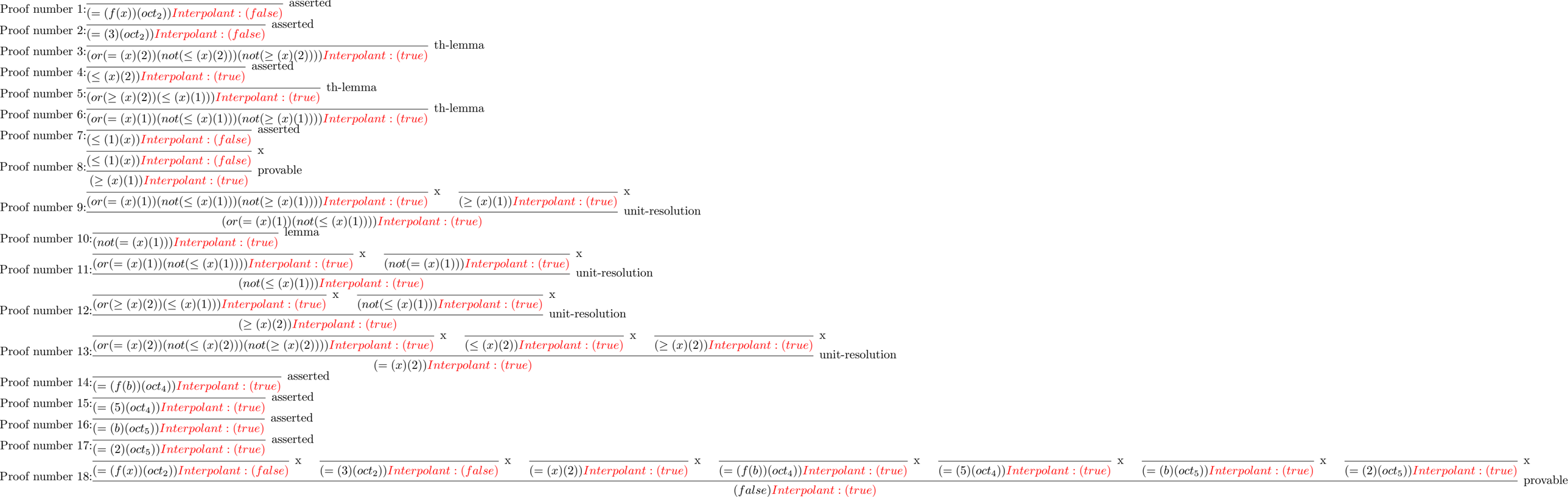
Proof number 1: (= (f(x))(oct2))Interpolant : (false) asserted
Proof number 2: (= (3)(oct2))Interpolant : (false) asserted
Proof number 3: (or(= (x)(2))(not(≤ (x)(2)))(not(≥ (x)(2))))Interpolant : (true) th-lemma
Proof number 4: (≤ (x)(2))Interpolant : (true) asserted
Proof number 5: (or(≥ (x)(2))(≤ (x)(1)))Interpolant : (true) th-lemma
Proof number 6: (or(= (x)(1))(not(≤ (x)(1)))(not(≥ (x)(1))))Interpolant : (true) th-lemma
Proof number 7: (≤ (1)(x))Interpolant : (false) asserted
Proof number 8: (≤ (1)(x))Interpolant : (false) x
(≥ (x)(1))Interpolant : (true) provable
Proof number 9: (or(= (x)(1))(not(≤ (x)(1)))(not(≥ (x)(1))))Interpolant : (true) x
(≥ (x)(1))Interpolant : (true) x
(or(= (x)(1))(not(≤ (x)(1))))Interpolant : (true) unit-resolution
Proof number 10: (not(= (x)(1)))Interpolant : (true) lemma
Proof number 11: (or(= (x)(1))(not(≤ (x)(1))))Interpolant : (true) x
(not(= (x)(1)))Interpolant : (true) x
(not(≤ (x)(1)))Interpolant : (true) unit-resolution
Proof number 12: (or(≥ (x)(2))(≤ (x)(1)))Interpolant : (true) x
(not(≤ (x)(1)))Interpolant : (true) x
(≥ (x)(2))Interpolant : (true) unit-resolution
Proof number 13: (or(= (x)(2))(not(≤ (x)(2)))(not(≥ (x)(2))))Interpolant : (true) x
(≤ (x)(2))Interpolant : (true) x
(≥ (x)(2))Interpolant : (true) x
(= (x)(2))Interpolant : (true) unit-resolution
Proof number 14: (= (f(b))(oct4))Interpolant : (true) asserted
Proof number 15: (= (5)(oct4))Interpolant : (true) asserted
Proof number 16: (= (b)(oct5))Interpolant : (true) asserted
Proof number 17: (= (2)(oct5))Interpolant : (true) asserted
Proof number 18: (= (f(x))(oct2))Interpolant : (false) x
(= (3)(oct2))Interpolant : (false) x
(= (x)(2))Interpolant : (true) x
(= (f(b))(oct4))Interpolant : (true) x
(= (5)(oct4))Interpolant : (true) x
(= (b)(oct5))Interpolant : (true) x
(= (2)(oct5))Interpolant : (true) x
(false)Interpolant : (true) provable