```
\text{Exp}(x_0, x_1) = [[x_0 = 0] \land [x_1 = 1]] \lor [(\exists x_2 < ((((x_1 \cdot x_1) \cdot x_1) \cdot x_1) + 1))[(\exists x_3 < ((((x_1 \cdot x_1) \cdot x_1) \cdot x_1) + 1))[[(\exists x_4 < (x_2 + 1))[[[[0 \nleq x_1 \land x_1) \land x_2]]]]])
  (((1+1)+1)+1)]\vee[[(((1+1)+1)+1)\cdot x_4)=x_2]\vee[(((1+1)+1)+1)\cdot x_4)< x_2]]\wedge[x_2<((((1+1)+1)+1)+1)\cdot (x_4+1))]]\wedge[(((1+1)+1)+1)+1)\neq (x_4+1)
  0] \vee [x_4 = 0]]] \wedge [(\exists x_5 < (x_4 + 1))[[[[0 \nleq (((1 + 1) + 1) + 1)] \vee [[[((((1 + 1) + 1) + 1) + 1) \cdot x_5) = x_4] \vee [((((1 + 1) + 1) + 1) \cdot x_5) < x_4]] \wedge [x_4 < (x_4 + 1)]]
  ((((1+1)+1)+1)\cdot(x_5+1))]]] \wedge [[(((1+1)+1)+1)\neq 0] \vee [x_5=0]]] \wedge [[[((((1+1)+1)+1)+1)\cdot x_5)\neq x_4] \wedge [((((1+1)+1)+1)+1)\cdot x_5\neq x_4]] \vee [x_4=0]
  (((1+1)+1)+1)]\vee[[(((1+1)+1)+1)\cdot x_5)=x_4]\vee[(((1+1)+1)+1)\cdot x_5)< x_4]]\wedge[x_4<((((1+1)+1)+1)+1)\cdot (x_5+1))]]\wedge[(((1+1)+1)+1)+1)+1)\vee[x_5+1]
  (x_5 \cdot x_6)]] \wedge [(\forall x_6 < (x_5 + 1))[x_5 \neq ((1 + 1) \cdot x_6)]]]]]) \vee [(\forall x_5 < ((1 + 1) \cdot x_4))[[[(\exists x_6 < (x_5 + 1))[[[(0 \nleq 1) \lor ([(1 \lor x_6) = x_5]) \lor [(1 \lor x_6) < x_5]] \land [x_5 < ((1 \lor x_6) \lor (x_5 \lor x_6)])])]) \vee [(\forall x_5 < ((1 \lor x_6) \lor (x_5 \lor x_6))])]]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6)))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))])]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor ((1 \lor x_6) \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor (x_5 \lor x_6))] \vee [(\forall x_5 \lor (x_5 \lor x_6))] \vee [(\forall x_5 \lor (x_5 \lor x_6))] \vee [(\forall x_5 \lor (x_5 \lor x_6))]) \vee [(\forall x_5 \lor (x_5 \lor x_6))] \vee [(\forall x_5 \lor 
  (1\cdot(x_6+1))]]] \wedge [[1 \neq 0] \vee [x_6 = 0]]] \wedge [(\forall x_7 < (x_6+1))[x_6 \neq ((1+1)\cdot x_7)]]]] \vee [[(\forall x_6 < (x_5+1))[[[[0 < (1+1)] \wedge [[((1+1)\cdot x_6) \neq x_5] \wedge [((1+1)\cdot x_6) \wedge ((1+1)\cdot x_6] \wedge [((1+1)\cdot x_6) \wedge ((1+1)\cdot x_6]) \wedge [((1+1)\cdot x_6]) \wedge [(
  x_5]] \vee [x_5 \not< ((1+1)\cdot(x_6+1))]]] \vee [[(1+1)=0] \wedge [x_6 \not= 0]]] \vee [(\exists x_7 < (x_6+1))[x_6 = ((1+1)\cdot x_7)]]]] \vee [(\exists x_6 < (x_5+1))[[[0 < x_6] \wedge [(\forall x_7 < (x_6+1))[[1 \not< (x_6 < (x_5+1))[[1 \lor (x_6 < (x_5+1)[[1 \lor (x_6 < (x_5+1)[[1 \lor (x_6 < (x_5+1)[[1 \lor (x_6 < (x_5+1)[[1 \lor (x_6 < (x_6 < (x_5+1)[[1 \lor (x_6 < (x_6 < (x_6 < (x_5+1)[[1 \lor (x_6 < (
  x_7] \vee [[(\forall x_8 < (x_6+1))[x_6 \neq (x_7 \cdot x_8)]] \vee [(\exists x_8 < (x_7+1))[x_7 = ((1+1) \cdot x_8)]]]]) \wedge [[(1+1) < x_6] \wedge [[(\exists x_7 < (x_5+1))[[([0 \nleq x_6] \vee [[((x_6 \cdot x_7) = (x_5 + x_8))] \vee ((x_6 \cdot x_7) = (x_5 + x_8))]])]) \wedge [(x_8 < (x_6 + x_8) \vee ((x_6 \cdot x_7) = (x_8 \vee x_8))])])] \wedge [(x_8 < (x_6 \vee x_8) \vee ((x_6 \vee x_8))]) \wedge ((x_8 \vee x_8) \vee ((x_6 \vee x_8))]) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))] \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))]) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8)))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_8))) \wedge ((x_8 \vee x_8) \vee ((x_8 \vee x_
  x_5] \vee [(x_6 \cdot x_7) < x_5]] \wedge [x_5 < (x_6 \cdot (x_7 + 1))]]] \wedge [[x_6 \neq 0] \vee [x_7 = 0]]] \wedge [(\forall x_8 < (x_7 + 1))[x_7 \neq ((1 + 1) \cdot x_8)]]]] \wedge [(\forall x_7 < (x_6 + 1))[[[(x_7 \cdot x_7) \neq (x_6 + 1))]]] \wedge [(x_7 \cdot x_7) \neq (x_7 \cdot x_7) \neq (x_7 \cdot x_7)]
  x_{6}] \wedge [(x_{7} \cdot x_{7}) \not< x_{6}]] \vee [x_{6} \not< ((x_{7}+1) \cdot (x_{7}+1))]] \vee [[(x_{7} \cdot x_{7}) \not= x_{6}] \vee [(\forall x_{8} < (x_{5}+1))[[[[0 < x_{7}] \wedge [[((x_{7} \cdot x_{8}) \not= x_{5}] \wedge [(x_{7} \cdot x_{8}) \not< x_{5}]] \vee [x_{5} \not< x_{5}]] \vee [x_{5} \not< x_{5}] \vee [x_{5} \lor x_{5
  (x_7 \cdot (x_8 + 1))]]] \lor [[x_7 = 0] \land [x_8 \neq 0]]] \lor [(\exists x_9 < (x_8 + 1))[x_8 = ((1 + 1) \cdot x_9)]]]]]]) \lor [[(\exists x_7 < (x_6 + 1))[[[(x_7 \cdot x_7) = x_6] \lor ((x_7 \cdot x_7) < x_6]] \land [x_6 < (x_8 + 1))[]]) \lor [(x_7 \cdot x_7) = x_6] \lor [(
  ((x_7+1)\cdot(x_7+1))]] \wedge [[(x_7\cdot x_7) = x_6] \wedge [(\exists x_8 < (x_5+1))[[[[0 \nleq x_7] \vee [[[(x_7\cdot x_8) = x_5] \vee [(x_7\cdot x_8) < x_5]] \wedge [x_5 < (x_7\cdot (x_8+1))]]]) \wedge [[x_7 \neq 0] \vee [x_8 = x_7] \wedge [(x_7 + x_8) = x_5] \wedge [(x_7 + x_8) = x_5]
  0 ] ] \land [ ( \forall x_9 < (x_8+1))[x_8 \neq ((1+1) \cdot x_9)] ] ] ] ] ] \land [ ( \forall x_7 < (x_5+1))[[[[0 < x_6] \land [[((x_6 \cdot x_7) \neq x_5] \land [(x_6 \cdot x_7) \neq x_5]] \lor [x_5 \not< (x_6 \cdot (x_7+1))]]] \lor [[x_6 = 0] \land [x_7 \neq x_7] \land [(x_6 \cdot x_7) \neq x_5]] \lor [x_7 \neq x_7 \land [x_8 \neq x_8]] \lor [x_8 \neq x_8 \Rightarrow x_8 
  0]]] \lor [(\exists x_8 < (x_7+1))[x_7 = ((1+1) \cdot x_8)]]]]]]]]]]) \lor [(\forall x_6 < (x_5+1))[[[[0 < x_4] \land [[(x_4 \cdot x_6) \neq x_5] \land [(x_4 \cdot x_6) \neq x_5]] \lor [x_5 \nleq (x_4 \cdot (x_6+1))]]] \lor [[x_4 = (x_6 \cdot x_6) \neq x_5] \land [(x_4 \cdot x_6) \neq x_5]] \lor [x_5 \nleq (x_6 \cdot x_6) \neq x_5]
  0] \wedge [x_6 \neq 0]]] \vee [(\exists x_7 < (x_6 + 1))[x_6 = ((1 + 1) \cdot x_7)]]]]]] \vee [[[(\exists x_5 < (x_2 + 1))[[(\exists x_6 < (x_2 + 1))[[([0 \nleq x_4] \vee [[((x_4 \cdot x_6) = x_2] \vee [(x_4 \cdot x_6) < x_2]] \wedge [x_2 < (x_2 + 1))]]]])] \vee [((\exists x_5 < (x_2 + 1))[((x_4 \cdot x_6) = x_2) \vee [(x_4 \cdot x_6) = x_2)] \wedge [(x_4 \cdot x_6) = x_2)] \vee [(x_4 \cdot x_6) = x_2] \vee [(x_4 \cdot x_6) = x_3] \vee [(x_4 \cdot x_6) = x_4] \vee [(x_4 \cdot x_6) = 
  (x_4 \cdot (x_6 + 1))]]] \land [[x_4 \neq 0] \lor [x_6 = 0]]] \land [(\exists x_7 < (x_6 + 1))[[[[0 \nleq x_4] \lor [[((x_4 \cdot x_7) = x_6] \lor ((x_4 \cdot x_7) < x_6]) \land [x_6 < (x_4 \cdot (x_7 + 1))]]] \land [[x_4 \neq 0] \lor [x_7 = (x_6 + 1))[[(x_4 \cdot x_7) = x_6] \lor (x_6 \cdot x_7) \land (x_6 \cdot x_
0]]] \wedge [[[[(x_4 \cdot x_7) \neq x_6] \wedge [(x_4 \cdot x_7) \neq x_6]] \vee [x_6 = ((x_4 \cdot x_7) + x_5)]] \wedge [[x_6 \nleq (x_4 \cdot x_7)] \vee [x_5 = 0]]]]]]] \wedge [(\exists x_6 \lessdot (x_2 + 1))[[[0 \nleq (x_4 \cdot x_4)] \vee [[((x_4 \cdot x_4) + x_5)]] \wedge [(x_4 \cdot x_4)] \vee [(x_4 \cdot x_4)] \vee [(x_4 \cdot x_4)] \wedge [(x_4 \cdot x
  x_2] \vee [((x_4 \cdot x_4) \cdot x_6) < x_2]] \wedge [x_2 < ((x_4 \cdot x_4) \cdot (x_6 + 1))]] \wedge [[(x_4 \cdot x_4) \neq 0] \vee [x_6 = 0]]] \wedge [(\exists x_7 < (x_6 + 1))[[[0 \not< (x_4 \cdot x_4)] \vee [[((x_4 \cdot x_4) \cdot x_7) = (x_6 \cdot x_4)]]]) \wedge [(x_4 \cdot x_4) \cdot x_7] = (x_4 \cdot x_4) \wedge (x_6 \cdot 
  x_{6}] \vee [((x_{4} \cdot x_{4}) \cdot x_{7}) < x_{6}]] \wedge [x_{6} < ((x_{4} \cdot x_{4}) \cdot (x_{7} + 1))]] \wedge [[(x_{4} \cdot x_{4}) \neq 0] \vee [x_{7} = 0]]] \wedge [[((x_{4} \cdot x_{4}) \cdot x_{7}) \neq x_{6}] \wedge [((x_{4} \cdot x_{4}) \cdot x_{7}) \neq x_{6}]] \vee [x_{6} = ((x_{4} \cdot x_{4}) \cdot x_{7}) \neq x_{6}]] \wedge [(x_{4} \cdot x_{4}) \cdot x_{7}] \wedge [(x_{4} \cdot x_{4}) \cdot x_
  (((x_4 \cdot x_4) \cdot x_7) + ((1+1) \cdot x_5))]] \wedge [[x_6 \not< ((x_4 \cdot x_4) \cdot x_7)] \vee [((1+1) \cdot x_5) = 0]]]]]]]]]) \wedge [(\exists x_5 < (x_3+1))[[(\exists x_6 < (x_3+1))[[(\exists x_6 < (x_3+1))[[(\exists x_6 < (x_3+1))[(\exists x_6 < (x_6 < (x
  x_3] \vee [(x_4 \cdot x_6) < x_3]] \wedge [x_3 < (x_4 \cdot (x_6+1))]] \wedge [[x_4 \neq 0] \vee [x_6 = 0]]] \wedge [(\exists x_7 < (x_6+1))[[[0 \nleq x_4] \vee [[(x_4 \cdot x_7) = x_6] \vee [(x_4 \cdot x_7) < x_6]] \wedge [x_6 < (x_6 \cdot x_7) \vee [(x_6 \cdot x_7) \vee (x_6 \cdot x_7) \vee (x_6 \cdot x_7) \vee (x_6 \cdot x_7) \vee (x_6 \cdot x_7)]] \wedge [(x_6 \cdot x_7) \vee (x_6 \cdot x_7) \vee (x_7 \cdot x_
  (x_4 \cdot (x_7 + 1))]] \land [[x_4 \neq 0] \lor [x_7 = 0]]] \land [[[[(x_4 \cdot x_7) \neq x_6] \land [(x_4 \cdot x_7) \neq x_6]] \lor [x_6 = ((x_4 \cdot x_7) + x_5)]] \land [[x_6 \neq (x_4 \cdot x_7)] \lor [x_5 = 0]]]]]]] \land [(\exists x_6 \neq (x_4 \cdot x_7) \neq x_6]) \land [(x_6 \neq (x_4 \cdot x_7) \neq x_6)] \land [(x_6 \neq (x_6 \land x_7) \neq x_6)] \land [(x_6 \neq (x_6 
  (x_3+1))[[[0 \nleq (x_4 \cdot x_4) \lor [[((x_4 \cdot x_4) \cdot x_6) = x_3] \lor [((x_4 \cdot x_4) \cdot x_6) \lessdot x_3]] \land [x_3 \lessdot ((x_4 \cdot x_4) \cdot (x_6+1))]]] \land [[(x_4 \cdot x_4) \neq 0] \lor [x_6 = 0]]] \land [\exists x_7 \lessdot x_8 \lor x
  (x_6+1)[[[0 \not< (x_4 \cdot x_4)] \lor [[[((x_4 \cdot x_4) \cdot x_7) = x_6] \lor [((x_4 \cdot x_4) \cdot x_7) < x_6]] \land [x_6 < ((x_4 \cdot x_4) \cdot (x_7+1))]] \land [[(x_4 \cdot x_4) \ne 0] \lor [x_7 = 0]]] \land [[[((x_4 \cdot x_4) \cdot x_7) \ne x_7] \land (x_7 + x_7) \land (
  x_{6} \land [((x_{4} \cdot x_{4}) \cdot x_{7}) \not< x_{6}]] \lor [x_{6} = (((x_{4} \cdot x_{4}) \cdot x_{7}) + (x_{5} \cdot x_{5}))]] \land [[x_{6} \not< ((x_{4} \cdot x_{4}) \cdot x_{7})] \lor [(x_{5} \cdot x_{5}) = 0]]]]]]]]]) \lor [[(\exists x_{5} < (x_{2} + 1))[[(\exists x_{6} < (x_{2} + 1))]]][(\exists x_{5} < (x_{2} + 1))]][(\exists x_{5} < (x_{2} + 1))][(\exists x_{5} 
  x_4] \vee [[[(x_4 \cdot x_6) = x_2] \vee [(x_4 \cdot x_6) < x_2]] \wedge [x_2 < (x_4 \cdot (x_6 + 1))]]] \wedge [[x_4 \neq 0] \vee [x_6 = 0]]] \wedge [(\exists x_7 < (x_6 + 1))[[[0 \not< x_4] \vee [[(x_4 \cdot x_7) = x_6] \vee [(x_4 \cdot x_7) < x_6]])]) \wedge [(x_4 \cdot x_6) = x_2] \vee [(x_4 \cdot x_6) = x_4] \vee [
  x_{6}]] \wedge [x_{6} < (x_{4} \cdot (x_{7} + 1))]]] \wedge [[x_{4} \neq 0] \vee [x_{7} = 0]]] \wedge [[[(x_{4} \cdot x_{7}) \neq x_{6}] \wedge [(x_{4} \cdot x_{7}) \nleq x_{6}]] \vee [x_{6} = ((x_{4} \cdot x_{7}) + x_{5})]] \wedge [[x_{6} \nleq (x_{4} \cdot x_{7})] \vee [x_{5} = 0]]]]]]] \wedge [(\exists x_{6} < (x_{4} \cdot x_{7}) + x_{5})]] \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]]] \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee (x_{5} = 0)]) \wedge [(x_{6} \neq (x_{5} + x_{5}) \vee 
  (x_2+1))[[[0 \nleq (x_4 \cdot x_4)] \lor [[((x_4 \cdot x_4) \cdot x_6) = x_2] \lor [((x_4 \cdot x_4) \cdot x_6) < x_2]] \land [x_2 < ((x_4 \cdot x_4) \cdot (x_6+1))]]] \land [[(x_4 \cdot x_4) \neq 0] \lor [x_6 = 0]]] \land [(\exists x_7 < (x_6+1))[[[0 \nleq (x_4 \cdot x_4) \mid x_6] \land (x_6 \mid x_6)]]] \land [(x_4 \cdot x_4) \mid x_6 \mid x_6
  (x_4 \cdot x_4) | \vee [[[(x_4 \cdot x_4) \cdot x_7) = x_6] \vee [((x_4 \cdot x_4) \cdot x_7) < x_6]] \wedge [x_6 < ((x_4 \cdot x_4) \cdot (x_7 + 1))]] \wedge [[(x_4 \cdot x_4) \neq 0] \vee [x_7 = 0]]] \wedge [[[[(x_4 \cdot x_4) \cdot x_7) \neq x_6] \wedge [((x_4 \cdot x_4) \cdot x_7) \neq x_6]] \wedge [(x_4 \cdot x_4) \cdot x_7] \wedge [(x_4
  x_{6}]] \vee [x_{6} = (((x_{4} \cdot x_{4}) \cdot x_{7}) + (((1+1) \cdot x_{5}) + 1))]] \wedge [[x_{6} \nleq ((x_{4} \cdot x_{4}) \cdot x_{7})] \vee [(((1+1) \cdot x_{5}) + 1) = 0]]]]]]]]) \wedge [(\exists x_{5} < (x_{3} + 1))[[(\exists x_{6} < (x_{3} + 1))[([\exists x_{6} < (x_{3} + 1)) + (((x_{4} \cdot x_{4}) \cdot x_{7})) + ((x_{4} \cdot x_{4}) \cdot x_{7})])] \wedge [(x_{5} \cdot x_{1} \cdot x_{1}) + ((x_{4} \cdot x_{4}) \cdot x_{7}) + ((x_{4} \cdot x_{4}) \cdot x_{7})])]]]]]] \wedge (x_{5} \cdot x_{1} \cdot x_{2} + ((x_{4} \cdot x_{4}) \cdot x_{7}) + ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) + ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) + ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})] \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7})) \wedge ((x_{4} \cdot x_{4}) \cdot x_{7}) \wedge ((x_{4} \cdot x_{4}) \wedge (x_{4}) \wedge (x_{4}
  x_4] \vee [[[(x_4 \cdot x_6) = x_3] \vee [(x_4 \cdot x_6) < x_3]] \wedge [x_3 < (x_4 \cdot (x_6 + 1))]]] \wedge [[x_4 \neq 0] \vee [x_6 = 0]]] \wedge [(\exists x_7 < (x_6 + 1))[[[0 \nleq x_4] \vee [[(x_4 \cdot x_7) = x_6] \vee [(x_4 \cdot x_7) < x_6])])] \wedge [(x_4 \cdot x_6) = x_3] \vee [(x_4 \cdot x_6) = x_4] \vee [(
  x_{6}]] \wedge [x_{6} < (x_{4} \cdot (x_{7} + 1))]]] \wedge [[x_{4} \neq 0] \vee [x_{7} = 0]]] \wedge [[[(x_{4} \cdot x_{7}) \neq x_{6}] \wedge [(x_{4} \cdot x_{7}) \nleq x_{6}]] \vee [x_{6} = ((x_{4} \cdot x_{7}) + x_{5})]] \wedge [[x_{6} \nleq (x_{4} \cdot x_{7})] \vee [x_{5} = 0]]]]]]] \wedge [(\exists x_{6} < (x_{4} \cdot x_{7}) + x_{5})]] \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]]]] \wedge [(x_{6} \neq (x_{4} \cdot x_{7}) \vee (x_{5} = 0)]]]]]
  (x_3+1))[[[0 \nleq (x_4 \cdot x_4)] \lor [[((x_4 \cdot x_4) \cdot x_6) = x_3] \lor [((x_4 \cdot x_4) \cdot x_6) < x_3]] \land [x_3 < ((x_4 \cdot x_4) \cdot (x_6+1))]]] \land [[(x_4 \cdot x_4) \neq 0] \lor [x_6 = 0]]] \land [(\exists x_7 < (x_6+1))[[[0 \nleq (x_4 \cdot x_4) \land x_6) = x_3] \lor [(x_4 \cdot x_4) \land x_6] \land x_6 = x_6 \land 
  (x_4 \cdot x_4)] \vee [[[((x_4 \cdot x_4) \cdot x_7) = x_6] \vee [((x_4 \cdot x_4) \cdot x_7) < x_6]] \wedge [x_6 < ((x_4 \cdot x_4) \cdot (x_7 + 1))]]) \wedge [[(x_4 \cdot x_4) \neq 0] \vee [x_7 = 0]]] \wedge [[[((x_4 \cdot x_4) \cdot x_7) \neq x_6] \wedge [((x_4 \cdot x_4) \cdot x_7) \neq x_6]) \wedge [((x_4 \cdot x_4) \cdot x_7) \neq x_6] \wedge [(x_4 \cdot x_4) \cdot x_7) \wedge [(x_4 \cdot x_4) \cdot x_7
  x_{6}]] \vee [x_{6} = (((x_{4} \cdot x_{4}) \cdot x_{7}) + ((1+1) \cdot (x_{5} \cdot x_{5})))]] \wedge [[x_{6} \not< ((x_{4} \cdot x_{4}) \cdot x_{7})] \vee [((1+1) \cdot (x_{5} \cdot x_{5})) = 0]]]]]]]]]]]]) \wedge [(\exists x_{4} < ((x_{1} \cdot x_{1}) + 1))[[x_{4} \not< (1+1)] \wedge [[([0 < (x_{1} \cdot x_{1}) + 1))]] \wedge [(x_{1} \cdot x_{1}) + (x_{2} \cdot x_{1})] \wedge [(x_{1} \cdot x_{1}) + (x_{2} \cdot x_{1})] \wedge [(x_{2} \cdot x_{1}) + (x_{2} \cdot x_{1})]]]]]]]]] \wedge [(x_{1} \cdot x_{1}) \wedge (x_{2} \cdot x_{1})] \wedge [(x_{2} \cdot x_{1}) \wedge (x_{2} \cdot x_{1})] \wedge (x_{2} \cdot x_{1})] \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{1})] \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{1})] \wedge (x_{3} \cdot x_{2})] \wedge (x_{3} \cdot x_{1}) \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{2})] \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{2})] \wedge (x_{3} \cdot x_{2}) \wedge (x_{3} \cdot x_{3}) \wedge (x_
  x_{4}] \wedge [(\forall x_{5} < (x_{4}+1))[[1 \nleq x_{5}] \vee [[(\forall x_{6} < (x_{4}+1))[x_{4} \neq (x_{5} \cdot x_{6})]] \vee [(\exists x_{6} < (x_{5}+1))[x_{5} = ((1+1) \cdot x_{6})]]]]]) \wedge [(\exists x_{5} < ((1+1) \cdot x_{4}))[[(\forall x_{6} < (x_{4}+1))[x_{5} = ((1+1) \cdot x_{6})]]]])] \wedge [(\exists x_{5} < ((1+1) \cdot x_{4}))[[(\forall x_{6} < (x_{4}+1))[x_{5} = ((1+1) \cdot x_{6})]]]])] \wedge [(\exists x_{5} < ((1+1) \cdot x_{4}))[((\forall x_{6} < (x_{4}+1))[x_{5} = ((1+1) \cdot x_{6})]]]])] \wedge [(\exists x_{5} < ((1+1) \cdot x_{4})(x_{5} = (x_{5} + x_{6}))[x_{5} = ((1+1) \cdot x_{6})]]]])] \wedge [(\exists x_{5} < ((1+1) \cdot x_{4})(x_{5} = (x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])] \wedge [(\exists x_{5} < ((x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])]) \wedge [(\exists x_{5} < ((x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])])] \wedge [(\exists x_{5} < ((x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])]) \wedge [(\exists x_{5} < ((x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])])] \wedge [(\exists x_{5} < ((x_{5} + x_{6}))[x_{5} = (x_{5} + x_{6})]])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})]])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})]])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})]])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})]])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})[x_{5} = (x_{5} + x_{6})]])])])]) \wedge [(\exists x_{5} < (x_{5} + x_{6})[x_{5} = (x_
  (x_5+1)[[[[0<1]\wedge[[(1\cdot x_6)\neq x_5]\wedge[(1\cdot x_6)\neq x_5])\vee[x_5\not<(1\cdot (x_6+1))]]]\vee[[1=0]\wedge[x_6\neq 0]]]\vee[(\exists x_7<(x_6+1))[x_6=((1+1)\cdot x_7)]]]]\wedge[[(\exists x_6<(x_6+1))(x_6\neq 0)]]\vee[(x_6+1)(x_6\neq 0)]
  (x_5+1))[[[[0 \nless (1+1)] \lor [[[((1+1) \cdot x_6) = x_5] \lor [((1+1) \cdot x_6) < x_5]] \land [x_5 < ((1+1) \cdot (x_6+1))]]] \land [[(1+1) \ne 0] \lor [x_6 = 0]]] \land [(\forall x_7 < (x_6 + 1)) \land [(x_6 + 1)] \lor [((x_6 + 1))]] \land [(x_6 + 1)] \lor [((x_6 + 1))] \land [(x_6 + 1)] \lor [(x
  (x_6+1)[x_6 \neq ((1+1) \cdot x_7)]]] \land [(\forall x_6 < (x_5+1))[[0 \nleq x_6] \lor [(\exists x_7 < (x_6+1))[1 < x_7] \land [((\exists x_8 < (x_6+1))[x_6 = (x_7 \cdot x_8)]] \land [(\forall x_8 < (x_7+1))[x_7 \neq (x_8+1)]] \land [(\forall x_8 < (x_8+1))[x_8 \neq (x_8+1)[x_8 \neq (x_8+1)]] \land [(x_8 < (x_8+1))[x_8 \neq (x_8+1)[x_8 \neq (x_8+1)]] \land [(x_8 < (x_8+1))[x_8 \neq (x_8+1)[x_8 \neq (x_8+1)]] \land [(x_8 < (x_8+1)[x_8 \neq (x_8+1)[x_8 \neq (x_8+1)]] \land [(x_8 < (x_8+1)[x_8 \neq (x_8+1)[x_8 \neq
  ((1+1) \cdot x_8)]]]]]) \lor [[(1+1) \not< x_6] \lor [[[(\forall x_7 < (x_5+1))[[[[0 < x_6] \land [[((x_6 \cdot x_7) \not< x_5] \land [(x_6 \cdot x_7) \not< x_5]] \lor [x_5 \not< (x_6 \cdot (x_7+1))]]]) \lor [[x_6 = 0] \land [x_7 \not< (x_6 \cdot x_7) \not< (x_6 \cdot x_7) \not< (x_6 \cdot x_7) \lor (x_6 
  0 \\ ||| \lor [(\exists x_8 < (x_7+1))[x_7 = ((1+1) \cdot x_8)]]|| \lor [(\exists x_7 < (x_6+1))[[[[(x_7 \cdot x_7) = x_6] \lor [(x_7 \cdot x_7) < x_6]] \land [x_6 < ((x_7+1) \cdot (x_7+1))]| \land [[(x_7 \cdot x_7) = x_6] \land [(\exists x_8 < (x_7+1) \cdot (x_7+1))] \land [(x_7 \cdot x_7) = x_6] \land [(x_7 \cdot x_7) = x_7] \land [(x_7 \cdot x_7
  (x_5+1)[[[[0 \nleq x_7] \lor [[[(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [x_5 < (x_7 \cdot (x_8+1))]]] \land [[x_7 \neq 0] \lor [x_8 = 0]]] \land [(\forall x_9 < (x_8+1))[x_8 \neq ((1+1) \cdot x_9)]]]]]]]) \land [[(\forall x_7 < (x_8+1))[[(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]] \land [(x_7 \cdot x_8) = x_5] \lor [(x_7 \cdot x_8) < x_5]
  (x_6+1)[[[(x_7\cdot x_7)\neq x_6]\wedge[(x_7\cdot x_7)\neq x_6]]\vee[x_6\not<((x_7+1)\cdot (x_7+1))]]\vee[[(x_7\cdot x_7)\neq x_6]\vee[(\forall x_8<(x_5+1))[[[(0< x_7)\wedge[[(x_7\cdot x_8)\neq x_5]\wedge[(x_7\cdot x_8)\neq x_5])]])
  x_{5}]] \lor [x_{5} \not< (x_{7} \cdot (x_{8} + 1))]]] \lor [[x_{7} = 0] \land [x_{8} \neq 0]]] \lor [(\exists x_{9} < (x_{8} + 1))[x_{8} = ((1 + 1) \cdot x_{9})]]]]]] \lor [(\exists x_{7} < (x_{5} + 1))[[[0 \not< x_{6}] \lor [[(x_{6} \cdot x_{7}) = x_{5}] \lor [(x_{6} \cdot x_{7}) < (x_{8} + 1))]]) \lor [(x_{7} = 0) \land [x_{8} \neq 0]]] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \lor [x_{1} + 1] \lor [(x_{1} + 1) \land [x_{1} + 1] \lor [(x_{1} + 1) \lor [(x_{1} + 1) \lor [x_{1} + 1] \lor [(x_{1} + 1) \land [x
  x_{5}]] \wedge [x_{5} < (x_{6} \cdot (x_{7} + 1))]]] \wedge [[x_{6} \neq 0] \vee [x_{7} = 0]]] \wedge [(\forall x_{8} < (x_{7} + 1))[x_{7} \neq ((1 + 1) \cdot x_{8})]]]]]]]]]) \wedge [(\exists x_{6} < (x_{5} + 1))[[[0 \not< x_{4}] \vee [[(x_{4} \cdot x_{6}) = x_{5})]]])]]]) \wedge [(x_{7} \neq (x_{7} + 1))[(x_{7} \neq x_{5})]]]) \wedge [(x_{7} \neq x_{7} \neq x_{
  x_5] \lor [(x_4 \cdot x_6) < x_5]] \land [x_5 < (x_4 \cdot (x_6 + 1))]]] \land [[x_4 \neq 0] \lor [x_6 = 0]]] \land [(\forall x_7 < (x_6 + 1))[x_6 \neq ((1 + 1) \cdot x_7)]]]]]]) \land [(\exists x_5 < (x_2 + 1))[[[0 \nleq x_4] \lor [[(x_4 \cdot x_5) = (x_3 + 1) \land (x_4 + 1)]]])])]) \land [(x_4 \cdot x_6) \land (x_6 + 1) \land (x_6 + 1)]]
  x_2 \lor \lceil (x_4 \cdot x_5) < x_2 \rceil \land \lceil x_2 < (x_4 \cdot (x_5 + 1)) \rceil \rceil \land \lceil [x_4 \neq 0] \lor \lceil x_5 = 0 \rceil \rceil \land \lceil (\exists x_6 < (x_5 + 1)) \rceil \rceil \lceil [0 \nleq x_4] \lor \lceil [(x_4 \cdot x_6) = x_5] \lor \lceil (x_4 \cdot x_6) < x_5 \rceil \land \lceil x_5 < (x_5 \cdot x_5) \rceil \land \lceil x_5 < (x_5 \cdot x
  (x_4 \cdot (x_6 + 1))]] \land [[x_4 \neq 0] \lor [x_6 = 0]]] \land [[[(x_4 \cdot x_6) \neq x_5] \land [(x_4 \cdot x_6) \not< x_5]] \lor [x_5 = ((x_4 \cdot x_6) + x_0)]] \land [[x_5 \not< (x_4 \cdot x_6)] \lor [x_0 = 0]]]]]]] \land [(\exists x_5 < (x_3 + 1))[[[(x_5 \lor (x_5 + 1))]] \land [(x_5 \lor (x_5 + 1))]])] \land [(x_5 \lor (x_5 \lor (x_5 + 1))]] \land [(x_5 \lor (x_5 \lor (x
  x_4] \vee [[[(x_4 \cdot x_5) = x_3] \vee [(x_4 \cdot x_5) < x_3]] \wedge [x_3 < (x_4 \cdot (x_5 + 1))]]] \wedge [[x_4 \neq 0] \vee [x_5 = 0]]] \wedge [(\exists x_6 < (x_5 + 1))[[[0 \not< x_4] \vee [[((x_4 \cdot x_6) = x_5] \vee ((x_4 \cdot x_6) = x_5) \vee ((x_4 \cdot x_6) = x_6) \vee ((x_
  x_5]] \wedge [x_5 < (x_4 \cdot (x_6 + 1))]]] \wedge [[x_4 \neq 0] \vee [x_6 = 0]]] \wedge [[[[(x_4 \cdot x_6) \neq x_5] \wedge [(x_4 \cdot x_6) \neq x_5]] \vee [x_5 = ((x_4 \cdot x_6) + x_1)]] \wedge [[x_5 \not< (x_4 \cdot x_6)] \vee [x_1 = 0]]]]]]]]]]]]]
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