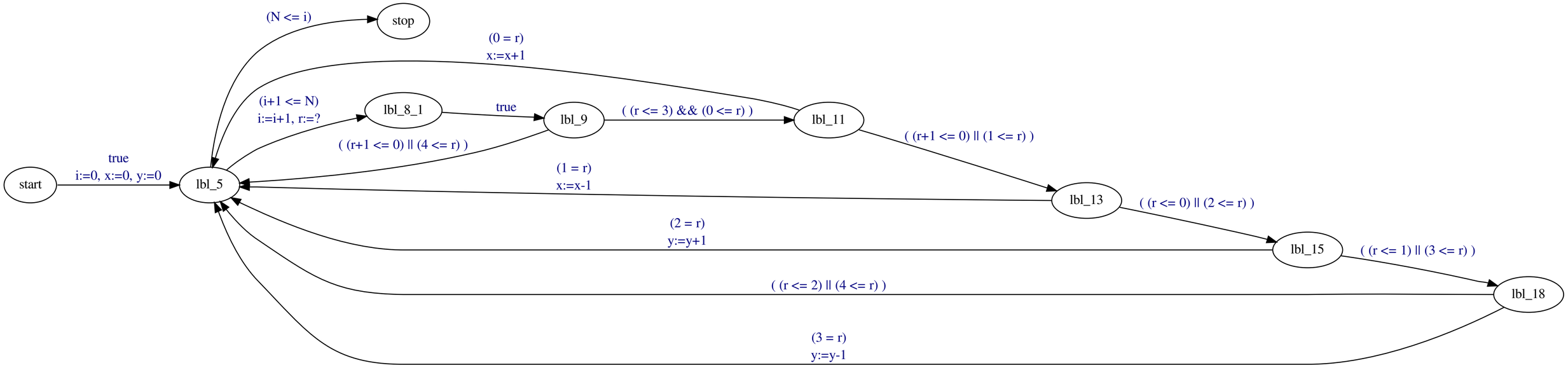
start
true
i:=0, x:=0, y:=0
lbl_5
(N <= i)
stop
(i+1 <= N)
i:=i+1, r:=?
lbl_8_1
true
lbl_9
((r+1 <= 0) || (4 <= r))
((r <= 3) && (0 <= r))
lbl_11
(0 = r)
x:=x+1
((r+1 <= 0) || (1 <= r))
lbl_13
(1 = r)
x:=x-1
((r <= 0) || (2 <= r))
lbl_15
(2 = r)
y:=y+1
((r <= 1) || (3 <= r))
lbl_18
((r <= 2) || (4 <= r))
(3 = r)
y:=y-1