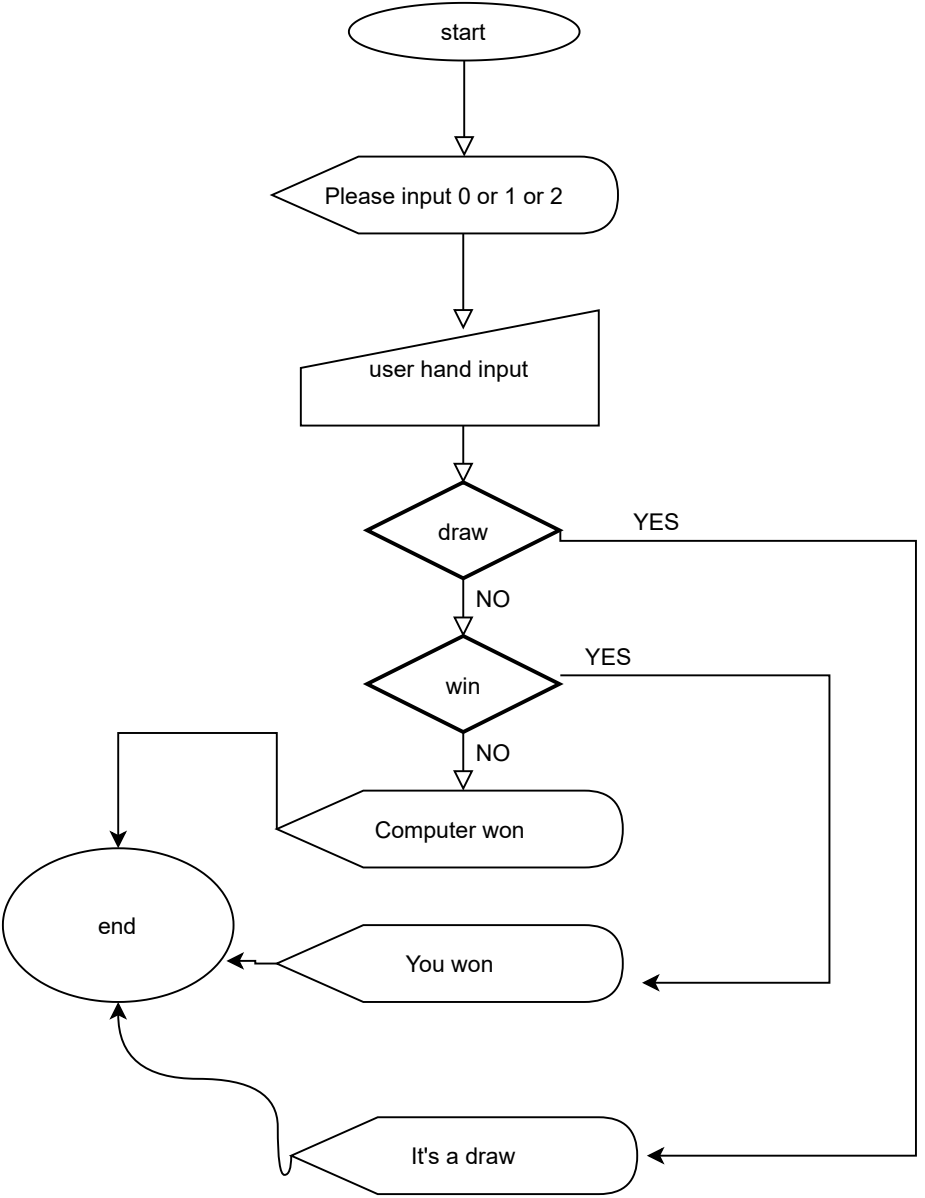
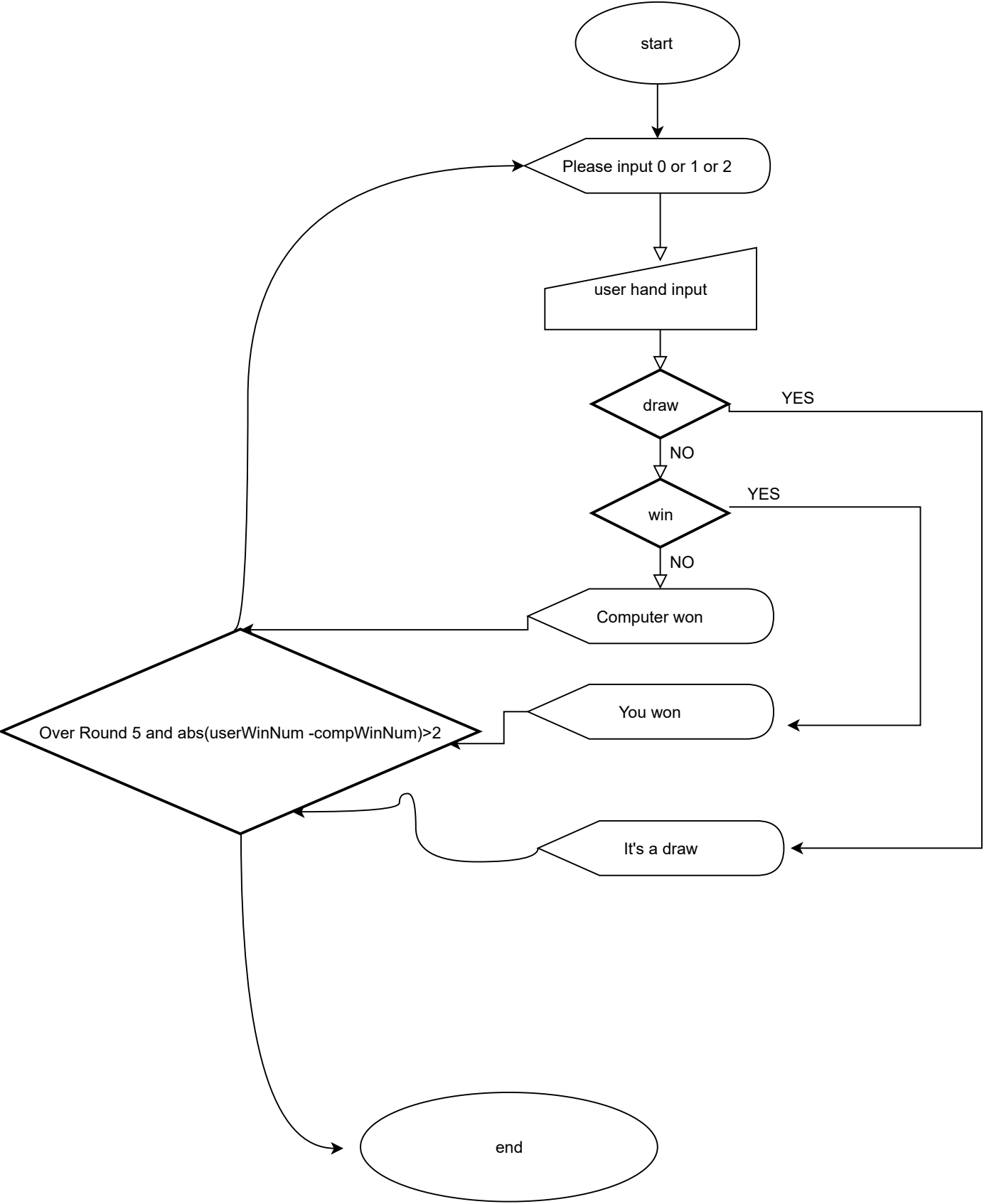
Q1. Since computers use only 0 or 1, 2^9=512< 1000 < 2^10==1024, so 10 bits .

Q2.

10(10) = 00001010(2)
120(10)=01111000(2)

130(10)=10000010(2) in binary, however, we are using 2's complement now, so the 1 colored red is a sign and it means negative.
0000010 => 1111101 = 127(10)
so 10000010 is -127 in 2's complement .


start
Please input 0 or 1 or 2
user hand input
draw
YES
NO
win
YES
NO
Computer won
end
You won
It's a draw


start
Please input 0 or 1 or 2
user hand input
draw
YES
NO
win
YES
NO
Computer won
You won
Over Round 5 and abs(userWinNum -compWinNum)>2
It's a draw
end