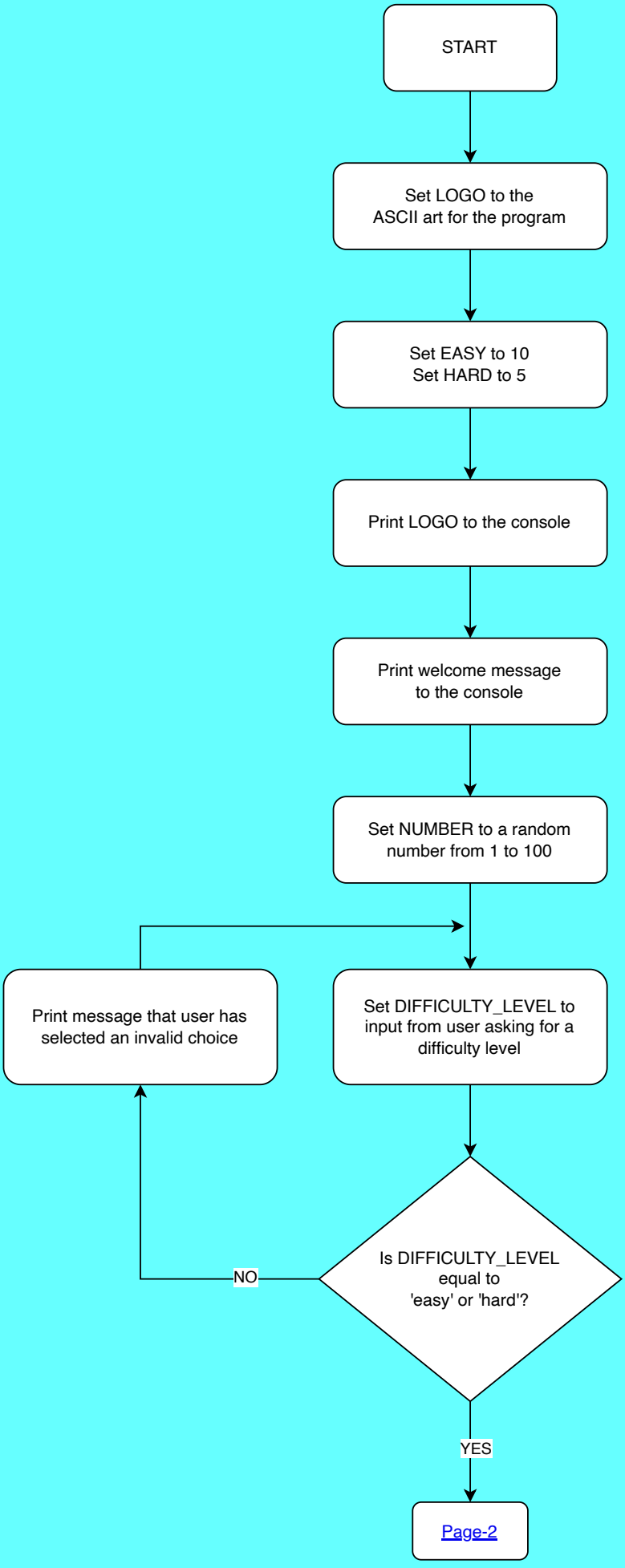
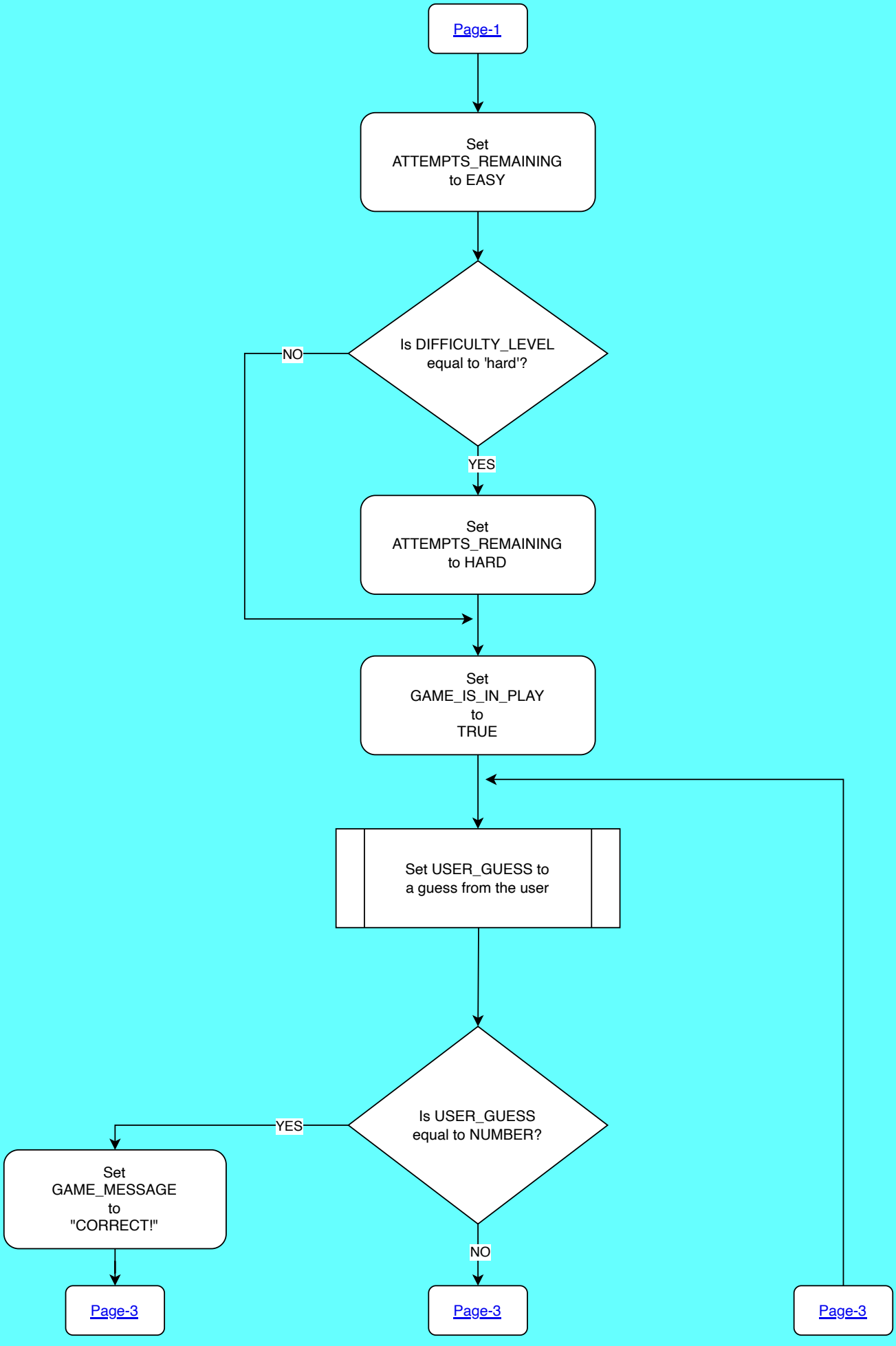
Number Guessing Progam

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Set ATTEMPTS_REMAINING to EASY
Is DIFFICULTY_LEVEL equal to 'hard'?
NO
YES
Set ATTEMPTS_REMAINING to HARD
Set GAME_IS_IN_PLAY to TRUE
Set USER_GUESS to a guess from the user
Is USER_GUESS equal to NUMBER?
YES
NO
Set GAME_MESSAGE to "CORRECT!"
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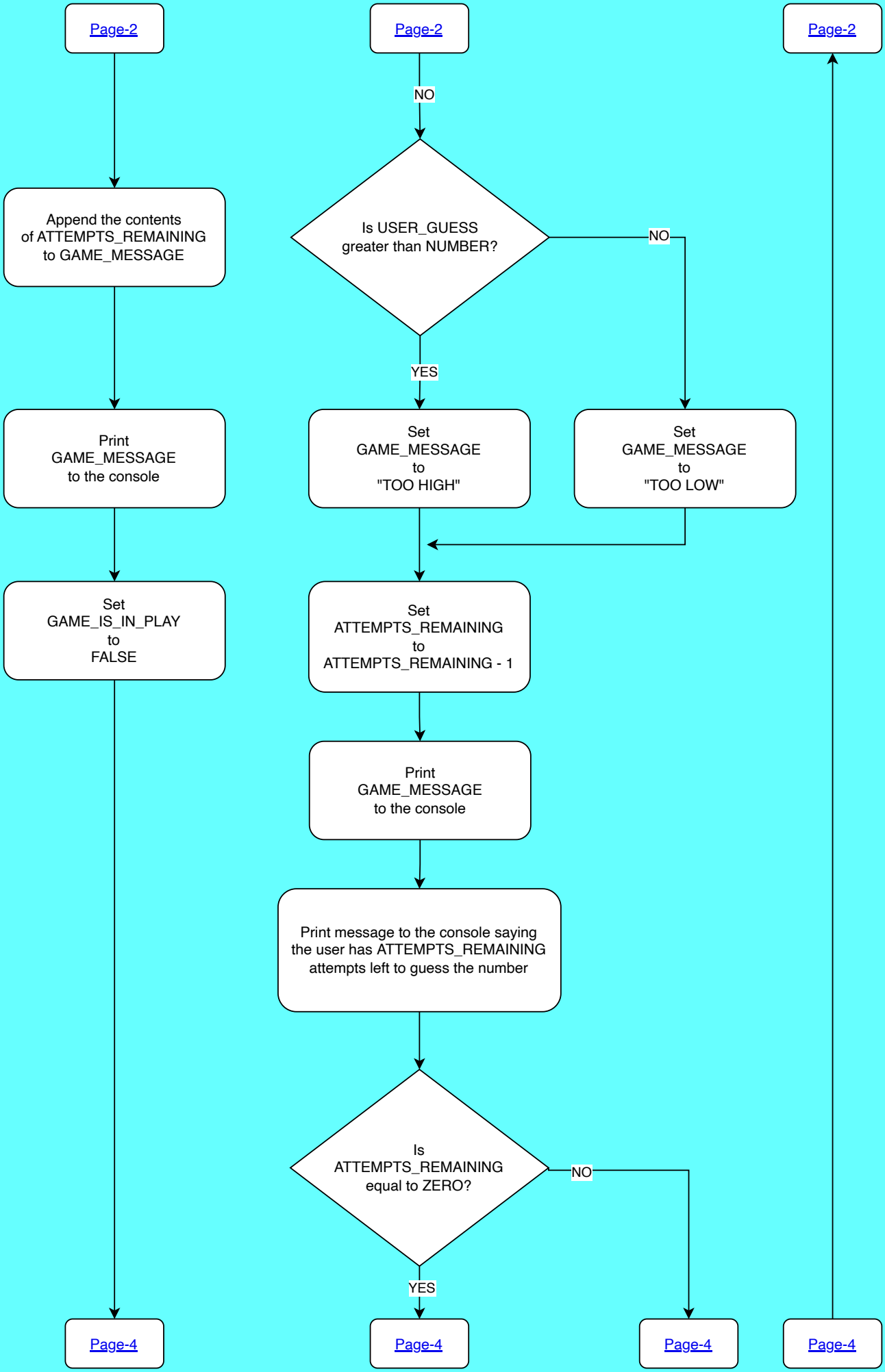
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NO
Append the contents of ATTEMPTS_REMAINING to GAME_MESSAGE
Is USER_GUESS greater than NUMBER?
NO
YES
Print GAME_MESSAGE to the console
Set GAME_MESSAGE to "TOO HIGH"
Set GAME_MESSAGE to "TOO LOW"
Set GAME_IS_IN_PLAY to FALSE
Set ATTEMPTS_REMAINING to ATTEMPTS_REMAINING - 1
Print GAME_MESSAGE to the console
Print message to the console saying the user has ATTEMPTS_REMAINING attempts left to guess the number
Is ATTEMPTS_REMAINING equal to ZERO?
NO
YES
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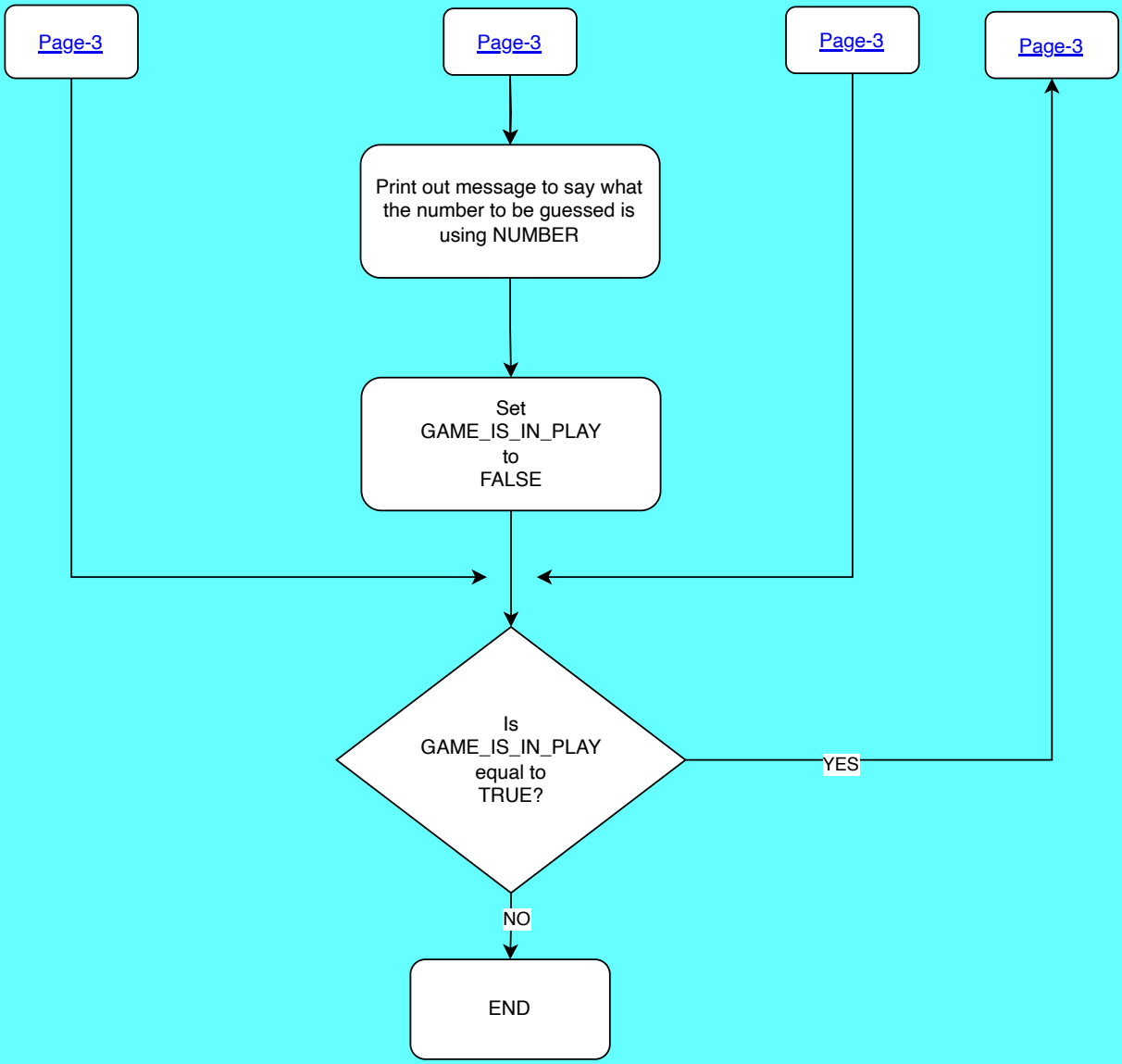
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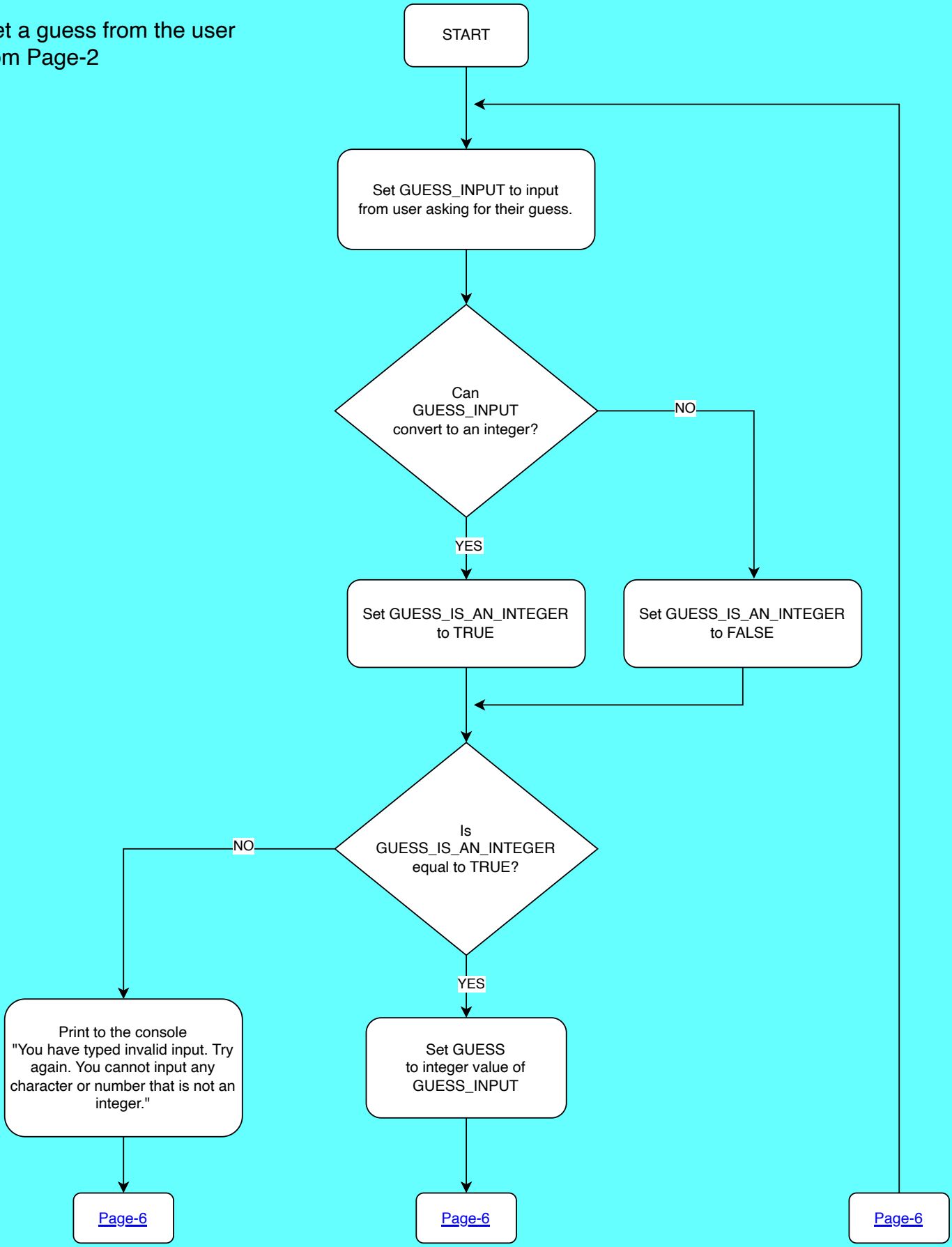
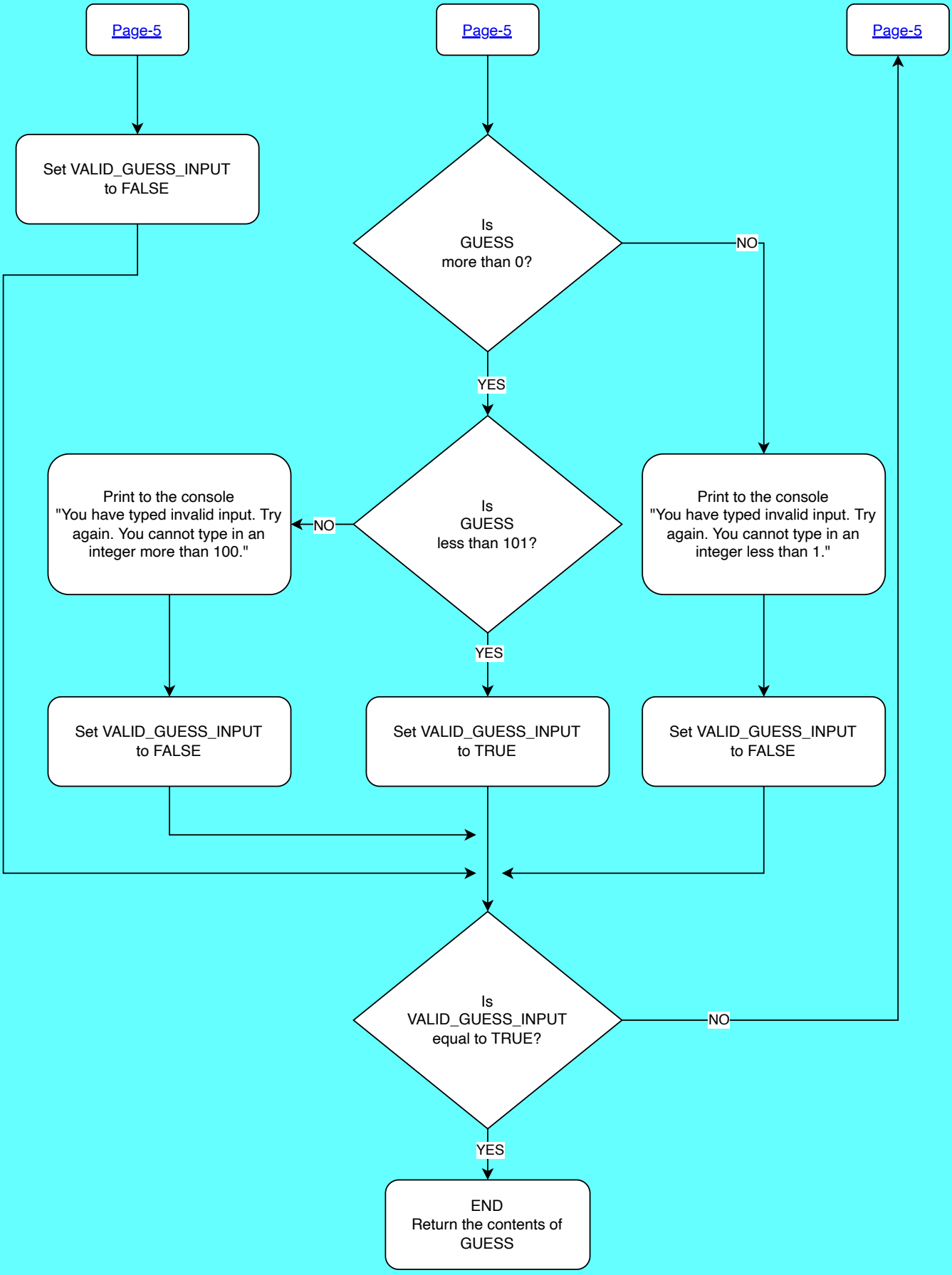
Print out message to say what the number to be guessed is using NUMBER
Set GAME_IS_IN_PLAY to FALSE
Is GAME_IS_IN_PLAY equal to TRUE?
YES
NO
END

Get a guess from the user from Page-2

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Set VALID_GUESS_INPUT to FALSE
Is GUESS more than 0?
NO
YES
Is GUESS less than 101?
NO
YES
Print to the console "You have typed invalid input. Try again. You cannot type in an integer more than 100."
Print to the console "You have typed invalid input. Try again. You cannot type in an integer less than 1."
Set VALID_GUESS_INPUT to FALSE
Set VALID_GUESS_INPUT to TRUE
Set VALID_GUESS_INPUT to FALSE
Is VALID_GUESS_INPUT equal to TRUE?
NO
YES
END Return the contents of GUESS