Flow Graph

① Start
set(all);

welcome

playmethod ②

5 times different play?

No / Y

Input number method ③

If input exit? ④

N

④ check equals method

if equals to sec#!

N / Y

Add num to list

print...

print exit or

② bigger/smaller

Invalid input

Input count

⑤ count++

output same method

⑦ Game over

Restart?

N / Yes

End program

The Methods

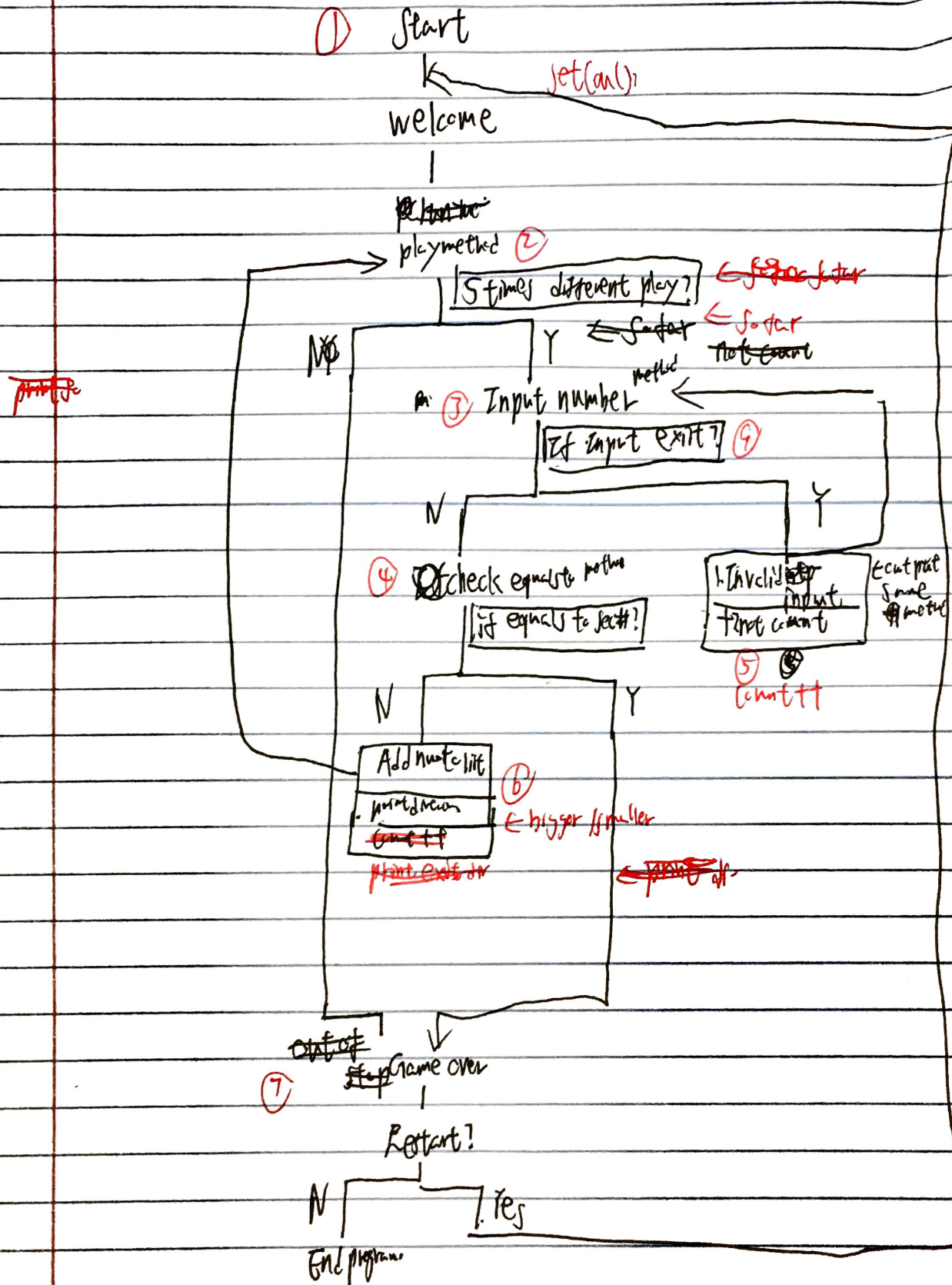Ø method

1. ~~Initialize~~ ~~play method~~ start method: play Guessing Game ();

                                       int

2. play method   void   play Method (int secNum)

              ~~check it~~

3. Input # method   int   inputNum ();   ~~Exp~~ inP

                                  int   int

4. Check equals methods   boolean checkEquals (~~int~~ inP , ~~int~~ secNum);

5. Same Input method   ~~void~~ $\frac{int}{}$ Ø sameInput (~~int~~ int[] arra , inP , col);

                                              secNum

6. false Input method   Ø int[]   falseInput (int[] arra , inP);

7. Game over method   void   Ø gameOver ();

8. welcome methods   void   wel ();

9. ~~Ret~~ ~~Exit~~ ~~Input~~ methods   boolean   isExist (int[] arra , inP);

10. print so far   void   printSoFar (int[] arra);

11. set col ~~for return~~   void setCol (int col);

12. set Random