**Pseudo code:**

get the start number;

while(get players number until negative)

{

push into player into list;

}

while(list still have more then one player)

{

get the word;

while(each time get a alphabet)

{

player save the alphabet he say;

if (clockwise)

next clockwise player;

else

previous player;

}

the player who say the last alphabet out the game;

print all the alphabet he say before;

if (the alphabet is vowel)

continue clockwise;

else

change the direction;

}

print all the alphabet of the winner;

**time complexity:**

n + n(2n+2) = n + 2n^2 + 2n = 2n^2 + 3n

= O(n^2)