Get number of pegs

Get number of colours

Create code and guess array

Create history Queue

Create secret code

While !guessIsCorrect

> **For i:= 0, To pegs do**
>
> > | Get guess for peg i |
> > |---|
> > | pegarray[i] = guess |
> > | Add guess to history |
>
> | Create temporary codeArray |
> |---|
>
> **For i:= 0, To pegs do**
>
> > | tempArray[i] = codeArray[i] |
> > |---|
> >
> > guessArray[i] == codeArray[i]
> > N / Y
> >
> > | % | blackPegs+= 1 |
> > |---|---|
> > | | tempArray[i] = 0 |
> > | | guessArray[i] = 0 |
>
> **For i:= 0, To pegs do**
>
> > **For j:= 0, To pegs do**
> >
> > > guessArray[i] == tempArray[j] && guessArray[i] != 0
> > > N / Y
> > >
> > > | % | whitePegs +=1 |
> > > |---|---|
> > > | | tempArray[i] = 0 |
>
> | Add white pegs to history |
> |---|
> | Add Black pegs to history |
>
> **For i:= 0, To legnthOfHistory do**
>
> > | Print current number |
> > |---|
> >
> > Black pegs == pegs
> > N / Y
> >
> > | % | Print "Code Cracked" |
> > |---|---|
> > | | break; |

Print "Game over"