```
BEGIN
```

PRINT "How many fibonacci numbers do you want?"

INPUT nums

LET a = 0

LET b = 1

WHILE nums > 0 REPEAT

PRINT a

LET c = a + b

LET a = b

LET b = c

LET nums = nums - 1

ENDWHILE

END

Write a Translator:

Enter the path: <user inputs the path of the file containing the code in .txt>

Correct!!!

Translating to C++ code < output to the file with the same name but in .cpp>

LANGUAGE SPECIFICATION

```
<space> ::= ' '
<let_statement> ::= 'LET' <assignment>
  <assignment> ::= <id> = <expression>
  <expression> ::= <id>|num|<exp> '+' <exp>| <exp> '-' <exp>| <exp> '*'
  <exp>| <exp> '/' <exp>| <exp> 'mod' <exp>
  <exp> := <id>|<number>
  <if_statement> := 'IF' <condition> <newline> <statements> <newline>
  'ENDIF'
  <while_statement> := 'WHILE' <condition> <newline> <statements> <newline> 'ENDWHILE'
  <condition> ::= <expression> <compare> <expression>
  <compare> ::= '>'|'<'|'>='|'<='|'=='</pre>
```