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CS 302 – 1001

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- **Section 6, Exercise 2 Report**

- Add test 5 cases that check whether your implementation of the `delimitersOk` operation correctly detects improperly paired delimiters in input expressions.
 - *Example 1:*
 - Delimiter Expression: $f = (((a + b) / c * d) - (a - c))$
 - Result: *Valid*
 - *Example 2:*
 - Delimiter Expression: $f = [[a/c] - \{b + a\} * d + [a - b]]$
 - Result: *Invalid*
 - *Example 3:*
 - Delimiter Expression: $f = \{(c + d) - a * b\} [$
 - Result: *Invalid*
 - *Example 4:*
 - Delimiter Expression: $f = [(a/b) - \{b + d\} + \{d - b\}]$
 - Result: *Valid*
 - *Example 5:*
 - Delimiter Expression: $f = ((a + d)/(d + b) * (c + a))$
 - Result: *Valid*
- Terminal View:

```

g++ -Wall -std=c++11 delimiters.o -lm -o delimiters
[Abrahams-MacBook-Pro-2:delimiters didgit_10$ ./delimiters
This program checks for properly matched delimiters.
Enter delimited expression (<EOF> to quit) :
(((a+b)/c*d)-(a-c))
Valid
Enter delimited expression (<EOF> to quit) :
[{{a/c}-{b+a}*d+[a+b]}
Invalid
Enter delimited expression (<EOF> to quit) :
{(c+d)-a*b}][
Invalid
Enter delimited expression (<EOF> to quit) :
[(a/b)-{b+d}+{d-b}]
Valid
Enter delimited expression (<EOF> to quit) :
((a+d)/(d+b)*(c+a))
Valid
Enter delimited expression (<EOF> to quit) :

```

```

g++ -Wall -std=c++11 delimiters.o -lm -o delimiters
[Abrahams-MacBook-Pro-2:delimiters didgit_10$ ./delimiters
This program checks for properly matched delimiters.
Enter delimited expression (<EOF> to quit) :
( ( ( a + b ) / c * d ) - ( a - c ) )
Valid
Enter delimited expression (<EOF> to quit) :
[ { [ a / c ] - { b + a } * d + [ a - b ] }
Invalid
Enter delimited expression (<EOF> to quit) :
{ ( c + d ) - a * b } ] [
Invalid
Enter delimited expression (<EOF> to quit) :
[ ( a / b ) - { b + d } + { d - b } ]
Valid
Enter delimited expression (<EOF> to quit) :
( ( a + d ) / ( d + b ) * ( c + a ) )
Valid
Enter delimited expression (<EOF> to quit) :

```