

Explanation of how sed works with regex

```
cat RollList.csv | sed -e 's/^\(.*\), \(.*\)$/\2, \1/g'
```

The command in words:

cat will read the contents of the file RollList.csv, write it out to the screen.

pipe will read incoming content and redirect to the command that follows.

sed will read the incoming content and process it using the script that is provided on the command line.

The script contains a trigger “s” for substitution and “g” for global / multiple replacement.

The pattern that is used for matching is enclosed with “(“ and “)” to indicate that what matches should be copied to a variable.

The replacement string has “\1” and “\2” to indicate content of those variables should be used at those positions.

The outcome of the command is that each line from the beginning to the end is split as two parts separated by a comma “,” and these two parts are printed out with their positions swapped.

Dissection of a command

```
cat RollList.csv | sed -e 's/^\(.*\), \(.*\)$/ \2, \1/g'
```

```
cat RollList.csv
```

```
|
```

```
sed -e 's/^\(.*\), \(.*\)$/ \2, \1/g'
```

First command

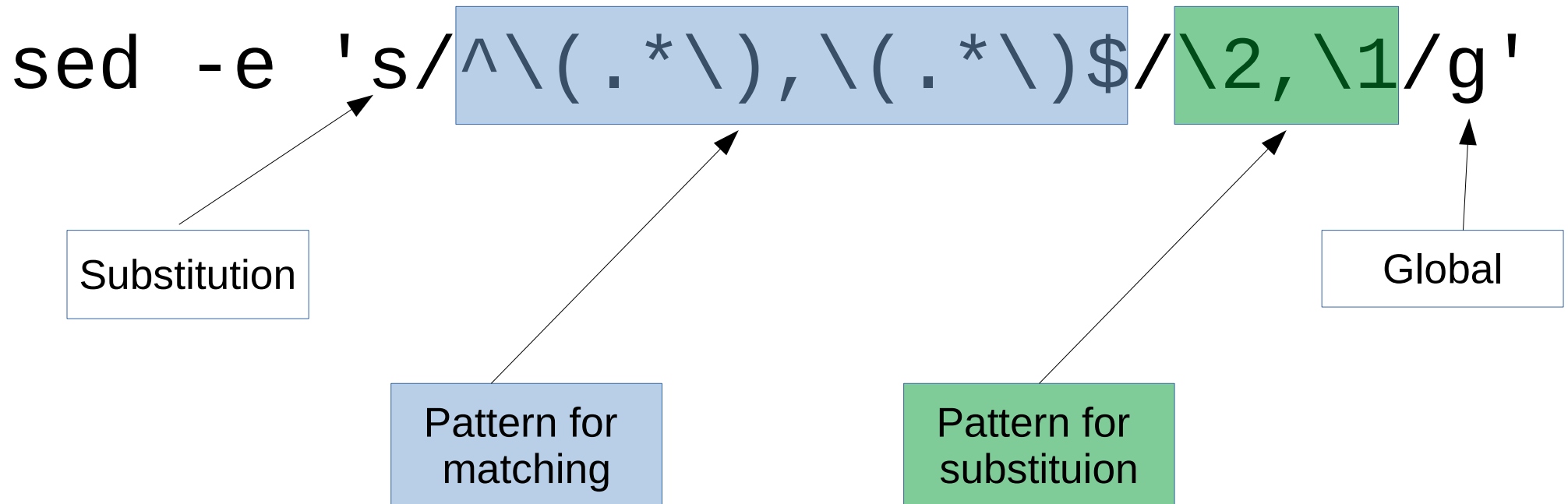
Pipe for output
redirection

Second command

Read the contents
of the file
RollList.csv and
write out to the
screen.

Stream editor command (sed) to process incoming
text using the script (stuff inside the single quotes)
provided inline (-e option).

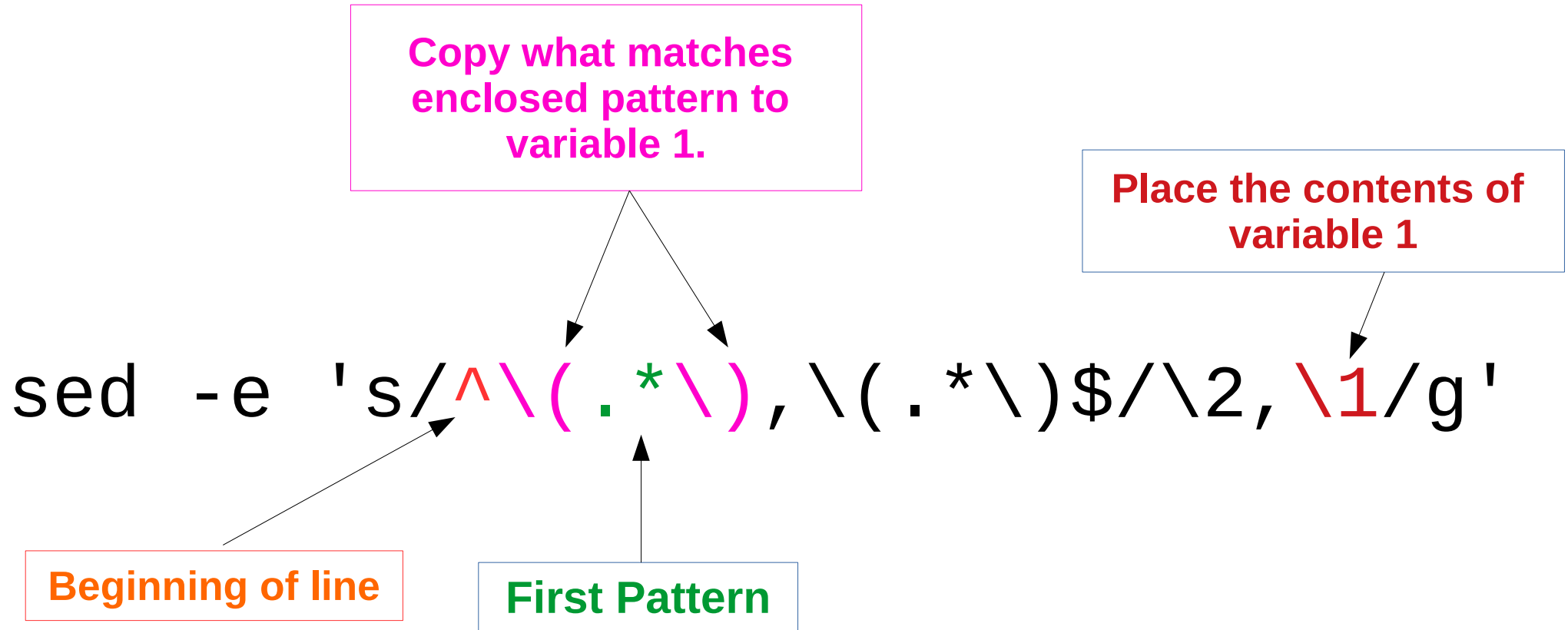
Dissection of the sed command



Format of command:

sed -e 's/**expression-for-matching**/**expression-for-replacing**/g'

Dissection of the sed command



Dissection of the sed command

