Combinatorial Testing using PICT

Pict

File Name: pict.exe | download pict from Microsoft site

Command

```
E:\Marist\Semester2\SoftwareVerificationAndMaintenance\roomScheduler\combinatorial_testing_using_pict>pict
termFrequency.txt > combinatorial_testing_output.txt
```

Inside the termFrequency.txt

```
blockA: -h,-v, NA
Input: -i input.txt,-n "someinput",NA
Output: -o combinatorial_testing_output.txt,NA
blockB: -f "someinput",-l "someinput",-g "someinput", NA
blockC: -d, blockCInput
blockD: -s, blockDInput
blockE: -a, blockEInput
if [blockA]= "-h" then
    [input] =  "NA" and [output] ="NA" and [blockB] ="NA"
      and [blockC] ="blockCInput"
      and [blockD] ="blockDInput"and [blockE] ="blockEInput";
```

Inside the combinatorial_testing_output.txt

```
blockA Input  Output blockB blockC blockD blockE
-h     NA     NA     NA      blockCInput  blockDInput  blockEInput
-v     -i input.txt NA    -g "someinput"      -d     -s      -a
NA     NA     -o combinatorial_testing_output.txt    -g "someinput"      blockCInput
       -s     blockEInput
NA     -n "someinput"      -o combinatorial_testing_output.txt    -f "someinput"
       -d     blockDInput  -a
-v     -i input.txt -o combinatorial_testing_output.txt    -f "someinput"
       blockCInput  blockDInput  blockEInput
-v     -n "someinput"      NA     -g "someinput"      -d     blockDInput  blockEInput
NA     -n "someinput"      -o combinatorial_testing_output.txt    NA     blockCInput
       -s     -a
NA     -n "someinput"      NA     -l "someinput"      -d     -s      -a
-v     NA     -o combinatorial_testing_output.txt    -l "someinput"      -d
       blockDInput  -a
NA     -i input.txt -o combinatorial_testing_output.txt    -l "someinput"
       blockCInput  -s     blockEInput
-v     -i input.txt NA     NA     -d     blockDInput  blockEInput
-v     NA     NA     -f "someinput"      -d     -s      -a
```