Miscellaneous

Python Script : (To check if there are any duplications)

To check if there are no duplications in the Consistent sub-Graphs generated , we have developed python script which checks if there are any duplicate graphs

**********Python SCRIPT**********

```
c=set()
with open('F:/Algorithms/graphtest.txt') as f:
    for line in f:
        if "union" not in line:
            continue
        #print(line)
        numbers = tuple(sorted(map(int, line[line.index('[')+1: line.index("]")].split(",
"))))
        if numbers not in c:
            c.add(numbers)
        else:
            print("found repeats: "+str(numbers))
```

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Results:

Found Zero Duplicate Sub Graphs generated when ran on the file.

Big Red II :

We executed our code on Indiana University Big Red - II high-performance parallel computing. However since exclusive access is not allowed , we could not execute completely.

********** SCRIPT**********

```
#!/bin/bash
#PBS -l nodes=2:ppn=32:dc2
#PBS -l walltime=24:00:00
#PBS -l gres=ccm
module load ccm
cd /N/home/b/s/bsairamr/BigRed2/ConsistentSubGraph/src/com/B503/
ccmrun javac *.java
cd ../..
ccmrun java com/B503/DAG
```

**********SCRIPT**********