

```
base_constraint = {'a':{'i','j'}, 'b':{'k'}, 'p':{'a'}, 'q':{'b'}}
```

```
simple_constraint = {'q':{'p'}}
```

```
complex_constraint1={'q':{'c'}} #  $c \geq *q$ 
```

```
complex_constraint2={} #  $*a \geq b$ 
```

```
points:
```

```
{'b': {'k'}, 'k': set(), 'q': {'b'}, 'j': set(), 'p': {'a', 'b'}, 'a': {'j', 'i'}, 'i': set(), 'c': {'k'}}
```

```
edges:
```

```
{'q': {'b', 'p'}, 'b': {'k', 'c'}, 'p': {'a', 'b'}, 'a': {'j', 'i'}, 'c': {'k'}}
```