In [91]:
```
import requests
import json
import datetime
```

In [92]:
```
url="https://gitlab.com/-/snippets/2067888/raw/master/sample_json_1.
json"
result=requests.get(url).json()
shift_a=[0,0]
shift_b=[0,0]
shift_c=[0,0]
t1=datetime.datetime.strptime("2021-01-28T00:30:00Z",'%Y-%m-%dT%H:%
M:%SZ')
t1=t1.time()
t2=datetime.datetime.strptime("2021-01-28T8:30:00Z",'%Y-%m-%dT%H:%
M:%SZ')
t2=t2.time()
t3=datetime.datetime.strptime("2021-01-28T14:30:00Z",'%Y-%m-%dT%H:%
M:%SZ')
t3=t3.time()
```

In [93]:
```
start=input()
end=input()
start=datetime.datetime.strptime(start,'%Y-%m-%dT%H:%M:%SZ')
end=datetime.datetime.strptime(end,'%Y-%m-%dT%H:%M:%SZ')
```

```
2021-01-28T07:30:00Z
2021-01-28T13:30:00Z
```

In [94]:
```
for data in result:
    t=datetime.datetime.strptime(data['time'],'%Y-%m-%d %H:%M:%S')
    if(t>=start and t<=end):
        if(t.time()>=t1 and t.time()<=t2):
            if(data["production_A"]==True):
                shift_a[0]=shift_a[0]+1
            if(data["production_B"]==True):
                shift_a[1]=shift_a[1]+1
        elif(t.time()>=t2 and t.time()<=t3):
            if(data["production_A"]==True):
                shift_b[0]=shift_b[0]+1
            if(data["production_B"]==True):
                shift_b[1]=shift_b[1]+1

        elif(t.time()>=t3 and t.time()<=t1):
            if(data["production_A"]==True):
                shift_c[0]=shift_c[0]+1
            if(data["production_B"]==True):
                shift_c[1]=shift_c[1]+1
```

In [95]:
```
print(shift_a)
print(shift_b)
print(shift_c)
```

```
[2, 3]
[9, 7]
[0, 0]
```

In [96]:
```
temp={}
temp["shiftA"]={"production_A_count":shift_a[0],"production_B_coun
t":shift_a[1]}
temp["shiftB"]={"production_A_count":shift_b[0],"production_B_coun
t":shift_b[1]}
temp["shiftC"]={"production_A_count":shift_c[0],"production_B_coun
t":shift_c[1]}
```

In [97]:
```
temp
```

Out[97]:
```
{'shiftA': {'production_A_count': 2, 'production_B_count': 3},
 'shiftB': {'production_A_count': 9, 'production_B_count': 7},
 'shiftC': {'production_A_count': 0, 'production_B_count': 0}}
```

In [98]:
```
ans=json.dumps(temp)
```

In [99]:
```
ans
```

Out[99]:
```
'{"shiftA": {"production_A_count": 2, "production_B_count": 3}, "s
hiftB": {"production_A_count": 9, "production_B_count": 7}, "shift
C": {"production_A_count": 0, "production_B_count": 0}}'
```