

```
In [5]: a1={1,2,3,4,5,6,7,8,9}
        b1={3,4,5,6,7,8}
        c1={10,20,30,40}
```

```
In [6]: a1.issuperset(b1)
```

```
Out[6]: True
```

```
In [7]: b1.issuperset(b1)
```

```
Out[7]: True
```

```
In [9]: c1.isdisjoint(a1)
```

```
Out[9]: True
```

```
In [ ]: a1={1,2,3,4,5,6,7,8,9}
        b1={3,4,5,6,7,8}
        c1={10,20,30,40}
```

```
In [10]: b1.isdisjoint(a1)
```

```
Out[10]: False
```

```
In [11]: b1.isdisjoint(c1)
```

```
Out[11]: True
```

```
In [12]: a2={1,2,3,4,5,6,7,8,9,}
        b2={35,45,55,65,75,58}
        c2={10,20,30,40}
```

```
In [13]: a2.isdisjoint(b2)
```

```
Out[13]: True
```

```
In [14]: b2.issubset(a2)
```

```
Out[14]: False
```

```
In [15]: c2.isdisjoint(a2)
```

```
Out[15]: True
```

```
In [ ]:
```