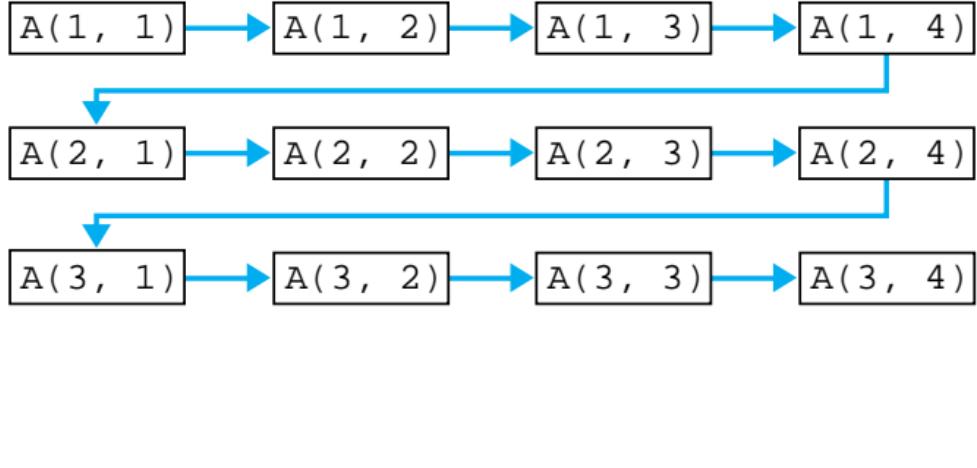(a)
```
A(1, 1)
A(1, 2)
A(1, 3)
A(1, 4)
A(2, 1)
A(2, 2)
A(2, 3)
A(2, 4)
A(3, 1)
A(3, 2)
A(3, 3)
A(3, 4)
```


(b)
```
A(1, 1)
A(2, 1)
A(3, 1)
A(1, 2)
A(2, 2)
A(3, 2)
A(1, 3)
A(2, 3)
A(3, 3)
A(1, 4)
A(2, 4)
A(3, 4)
```