```
File: J:\ap5.txt 2019/11/5, 10:00:34
```

```
int i; // int
   int* q; // pointer(int)
   int* a[10]; // array(10,pointer(int))
   int* (*b[10])[10];//array(10,pointer(array(10,pointer(int))))
   int* (*(*p)[10])[10];//pointer(array(10,pointer(array(10,pointer(int)))))
   i = 100; q = &i; a[1] = q; b[1] = &a; p = &b;
**(**(*p + 1)+1)
p : pointer(array(10,pointer(array(10,pointer(int)))))
   \langle LOD, -, p \rangle
*p : array(10,pointer(array(10,pointer(int))))
*p+1 : array(10,pointer(array(10,pointer(int))))
```

```
<LIT, - , 1>
   <LIT, - , 1>
   <MUL, - , ->
    <ADD, - , >
*(*p+1) : pointer(array(10,pointer(int)))
    <LODA, - , >
**(*p+1) : array(10,pointer(int))
**(*p+1)+1 : array(10,pointer(int))
   <LIT, - , 1>
   <LIT, - , 1>
   <MUL, - , ->
    <ADD, - , ->
*(**(*p+1)+1) : pointer(int)
```

```
<LODA, - , ->
**(**(*p+1)+1) : int
   <LODA, - , ->
int i; // int
   int* q; // pointer(int)
   int* a[10]; // array(10,pointer(int))
   int* (*b[10])[10];//array(10,pointer(array(10,pointer(int))))
   int* (*(*p)[10])[10];//pointer(array(10,pointer(array(10,pointer(int)))))
   i = 100; q = &i; a[1] = q; b[1] = &a; p = &b;
p[0][1][0][1][0]
```

```
File: J:\ap5.txt 2019/11/5, 10:00:34
p : pointer(array(10,pointer(array(10,pointer(int)))))
    <LOD, - , p>
p[0] : array(10,pointer(array(10,pointer(int))))
    <LIT, - , 0>
    <LIT, - ,10>
    <MUL, - , ->
    <ADD, - , ->
p[0][1] : pointer(array(10, pointer(int)))
    <LIT, - , 1>
    <LIT, - , 1>
    <MUL, - , ->
    <ADD, - , ->
    <LODA, -, ->
```

```
File: J:\ap5.txt 2019/11/5, 10:00:34
p[0][1][0] : array(10,pointer(int))
   <LIT, - , 0>
   <LIT, - ,10>
    <MUL, - , ->
    <ADD, - , ->
p[0][1][0][1] : pointer(int)
   <LIT, - , 1>
   <LIT, - , 1>
   <MUL, - , ->
    <ADD, - , ->
    <LODA, -, ->
p[0][1][0][1][0] : int
   <LIT, - , 0>
   <LIT, - , 1>
```

p : pointer(array(10,pointer(array(10,pointer(int)))))

File: J:\ap5.txt 2019/11/5, 10:00:34 <LOD, - , p> *p : array(10,pointer(array(10,pointer(int)))) (*p)[1] : pointer(array(10,pointer(int))) <LIT, - , 1> <LIT, - , 1> <MUL, - , -> <ADD, - , -> <LODA, -, -> *(*p)[1] : array(10,pointer(int)) (*(*p)[1])[1] : pointer(int) <LIT, - , 1> <LIT, - , 1>

<MUL, - , ->

File: J:\ap5.txt 2019/11/5, 10:00:34

```
<ADD, - , -> <LODA, -, -> 
*(*(*p)[1])[1] : int <LODA, -, ->
```