

1. [Final S09] [Pointer type analysis] Suppose the following declarations.

```

struct A_t
{
    int ** array;
    char* name;
};

typedef struct A_t A;

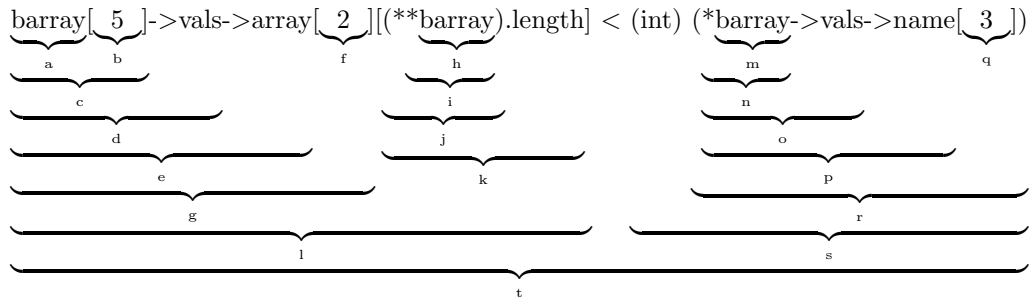
struct B_t
{
    A* vals;
    int length;
};

typedef struct B_t B;

B** barray;

```

Type-analyze the following expressions. (1 point each.)



- | | | |
|----|----|----|
| a. | h. | |
| b. | i. | o. |
| c. | j. | p. |
| d. | k. | q. |
| e. | l. | r. |
| f. | m. | s. |
| g. | n. | t. |

```
struct A_t
{
    int ** array;
    char* name;
};

typedef struct A_t A;

struct B_t
{
    A* vals;
    int length;
};

typedef struct B_t B;

B** barray;

barray[5]->vals->array[2][(**barray).length] < (int) (*barray->vals->name[3])
```