What will be displayed in the screen after the following program executes, provided the formal parameter denoted with & will be transferred by:

```
a. value
b.value/result
c. reference
d. name
int a[5];
int i,X=1;
void swap (int&a, int&b,int&c)
int t;
{
c++;
t = a+X+c; a = b; b = t;
void main()
    for (i=0; i<5; i++) a[i] = 6 - i;
    i = 2;
    swap(i, a[i],X);
    printf("%d%d%d%d%d",i,a[0], a[1], a[2], a[3], a[4]);
a.
int a[5];
int i,X=1;
void swap (int&a, int&b,int&c)
int t;
{
c++;
t = a+X+c; a = b; b = t;
void main()
    for (i=0; i<5; i++) a[i] = 6 - i;
    i = 2;
    swap(i, a[i],X);
    printf("%d%d%d%d%d",i,a[0], a[1], a[2], a[3], a[4]);
Initially:
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
```

```
a[4] = 2
i=2
X = 1
swap(i, a[i],X);
void swap (int&a, int&b,int&c)
int t;
{
c++;
t = a+X+c; a = b; b = t;
a = i = 2 \rightarrow 4;
b = a[2] = 4 \rightarrow 5
c = X = 1 \rightarrow 2
t = 5
265432
i = 2
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 2
b. value/result
Initially:
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 2
i=2
X = 1
swap(i, a[i],X);
void swap (int&a, int&b,int&c)
int t;
{
t = a+X+c; a = b; b = t;
}
a = i = 2 \rightarrow 4;
b = a[2] = 4 \rightarrow 5
c = X = 1 \rightarrow 2
t = 5
i = a = 4
a[2] = b = 5
```

```
X = c = 2
465532
i=4
a[0]=6
a[1]=5
a[2]=5
a[3]=3
a[4]=2
c. reference
Initially:
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 2
i=2
X = 1
swap(i, a[i],X);
void swap (int&a, int&b,int&c)
int t;
{
c++;
t = a+X+c; a = b; b = t;
    (a) \rightarrowi = 4
    (b) \to a[2] = 6
    (c) \rightarrow X=2
       t = 6
465632
d. name
Initially:
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 2
i=2
X = 1
swap(i, a[i],X);
```

```
void swap (int&a, int&b,int&c)
int t;
{
c++;
t = a+X+c; a = b; b = t;
void swap (int&a, int&b,int&c)
int t;
{
X++;
t = i + X + X; i = a[i]; a[i] = t;
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 2
i=2
X = 1
a[0] = 6
a[1] = 5
a[2] = 4
a[3] = 3
a[4] = 6
i=4
X = 2
t=6
465436
```