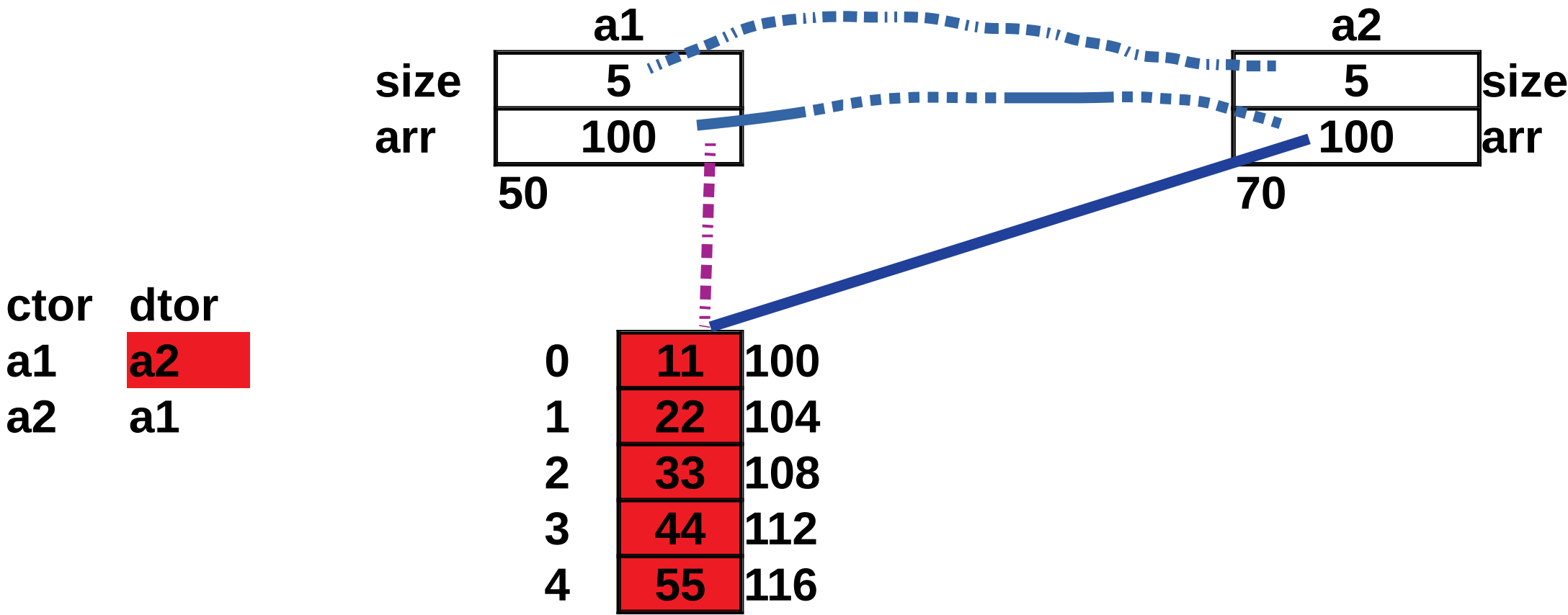


Composition (has a relationship)

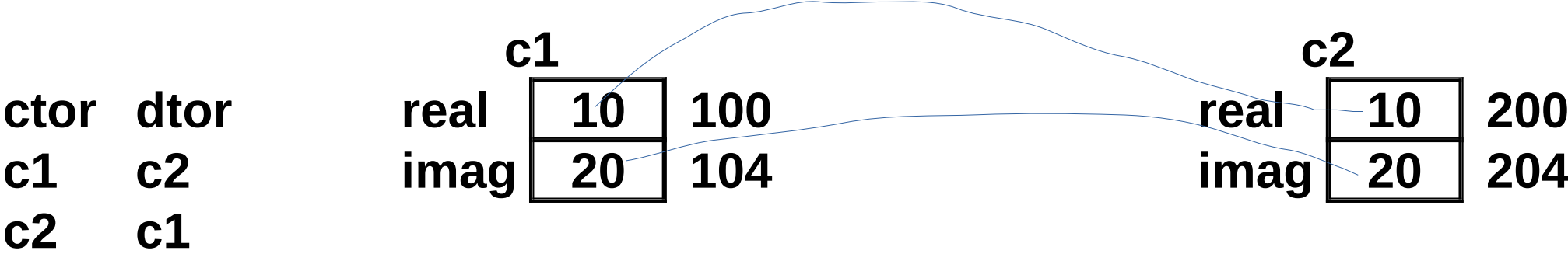
| | | | | | | | |
|-------------|---------------------|---------------------|------|---------|------------|----|------|
| Date | dd mm yy | | | | | | |
| | 11 | 10 | 2000 | | | | |
| birth_date | | | | | | | |
| Address | address_info | | city | pincode | | | |
| | Sunbeam Market yard | | pune | 411037 | | | |
| per_address | | | | | | | |
| Person | address_info | | city | pincode | dd | mm | yy |
| | name | Sunbeam Market yard | pune | 411037 | 11 | 10 | 2000 |
| per_address | | | | | birth_date | | |
| 1 | | 3 | | | 3 | | |
| | | 3+3+1=7 | | | | | |

shallow copy

```
Array a1;  
Array a2=a1; // or Array a2(a1);
```

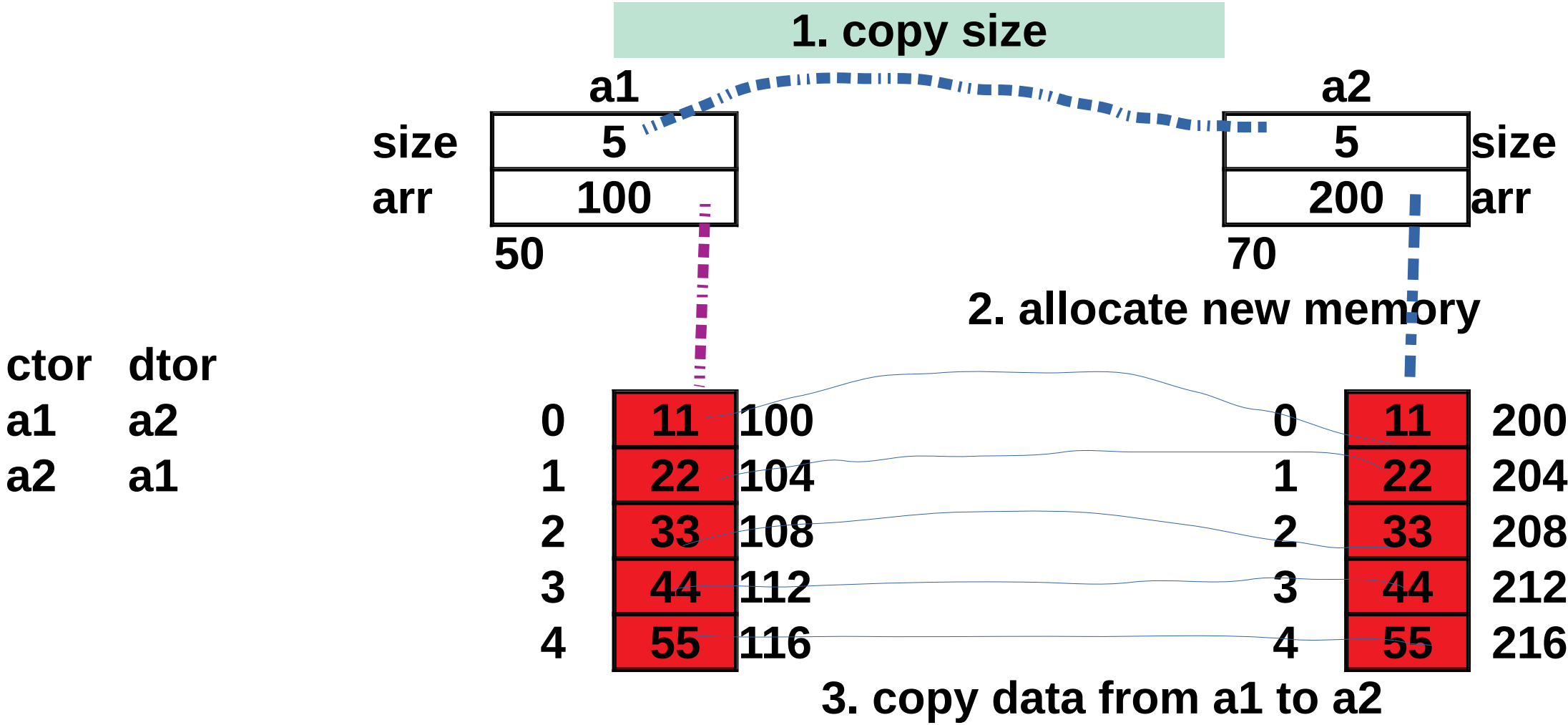


Complex c1(10,20);
Complex c2=c1; //copy



deep copy

```
Array a1;  
Array a2=a1; // or Array a2(a1);
```



Composition (has a relationship)

Date

| | | |
|----|----|------|
| dd | mm | yy |
| 11 | 10 | 2000 |

birth_date

Address

| | | |
|---------------------|------|---------|
| address_info | city | pincode |
| Sunbeam Market yard | pune | 411037 |

per_address

| | | | | | | | |
|--------|--------------|---------------------|------|------------|----|----|------|
| Person | address_info | | city | pincode | dd | mm | yy |
| | name | Sunbeam Market yard | pune | 411037 | 11 | 10 | 2000 |
| | per_address | | | birth_date | | | |
| 1 | | 3 | | | 3 | | |
| | | 3+3+1=7 | | | | | |

| | | | | | | | |
|-------------------------|--------------|---------------------|------|------------|----|----|------|
| Employee | address_info | | city | pincode | dd | mm | yy |
| | name | Sunbeam Market yard | pune | 411037 | 11 | 10 | 2000 |
| | per_address | | | birth_date | | | |
| 1 | 3 | | | 3 | | | |
| Empid | Designation | Sal | | | | | |
| Employee(derived class) | | | | | | | |
| 2+3+3+1=9 | | | | | | | |