## MULTIPLICITY

Representing many identical part classes



## MULTIPLE PARTS



## WHOLE WITH MANY IDENTICAL PARTS



## TOO MANY PARTS TO DIAGRAM



## MULTIPLICITY OPERATORS

## IMPLEMENTING MULTIPLICITY

```
class Deck
{
        private:
            int count = 0;
            Card* cards[52];
                . . .
};
```

class Deck
\{
private:
vector<Card *> cards;
. . .
\};


## SAME CLASS, DIFFERENT ROLES

