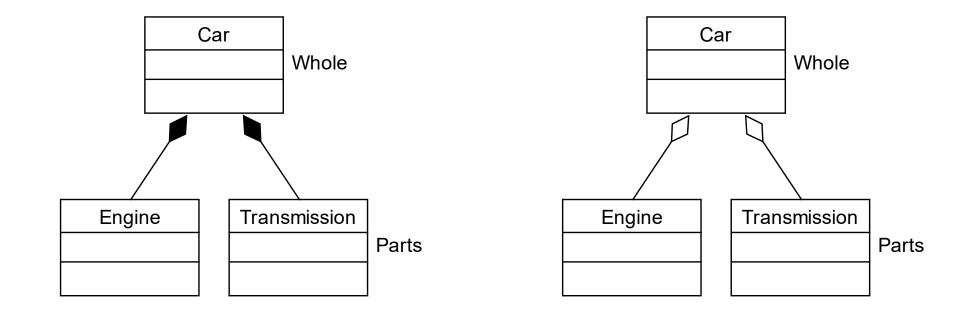


MULTIPLICITY

Representing many identical part classes

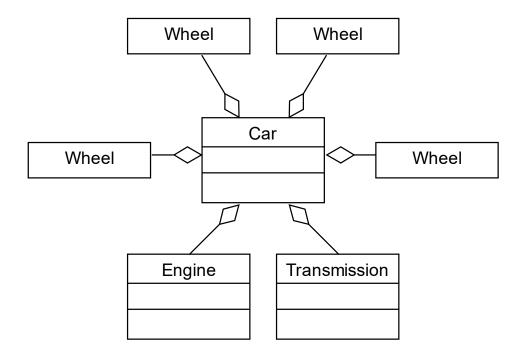
Delroy A. Brinkerhoff





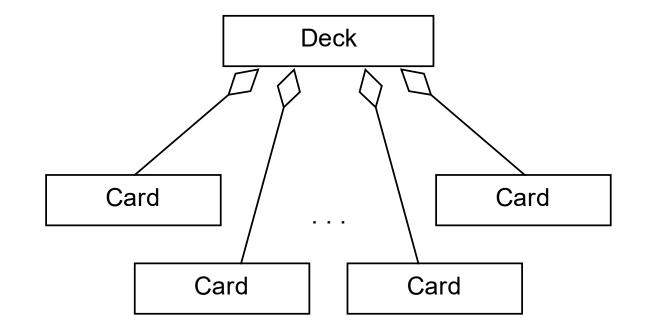
MULTIPLE PARTS





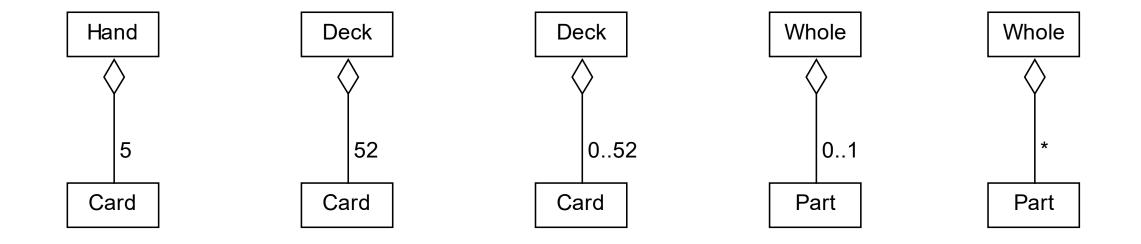
WHOLE WITH MANY IDENTICAL PARTS





TOO MANY PARTS TO DIAGRAM





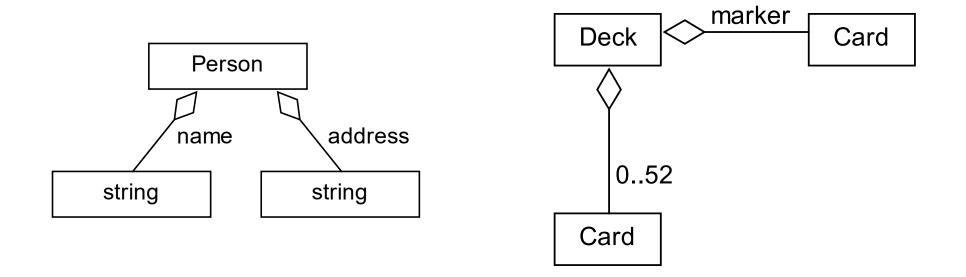
MULTIPLICITY OPERATORS



IMPLEMENTING MULTIPLICITY

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





SAME CLASS, DIFFERENT ROLES