

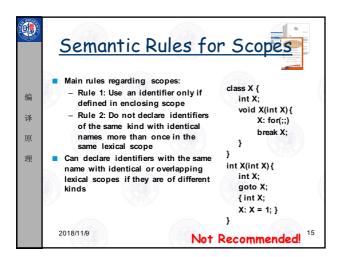
```
Scope of formal arguments of functions/methods

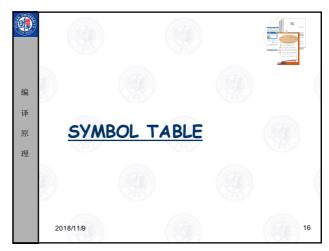
int factorial(int n) {
...
}
Scope of labels
void f() {
... goto l; ...
!: a = 1;
... goto l; ...
}
```

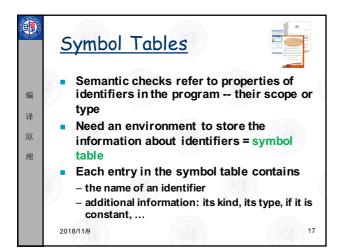
```
Scope of object fields and methods

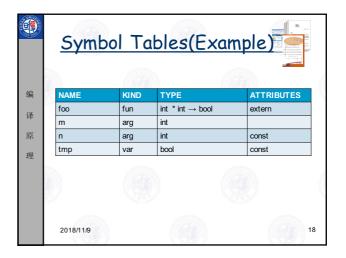
class A {
    private int x;
    public void g() { x=1; }
    ...
    }
    class B extends A {
    ...
    public int h() { g(); }
    ...
    }

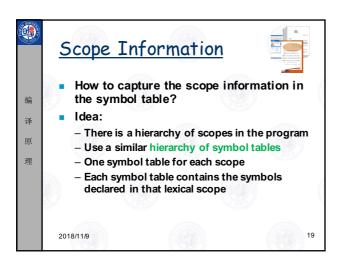
2018/11/9
```

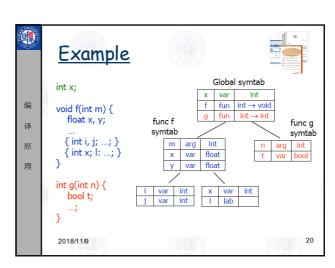


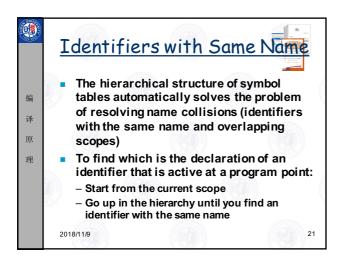


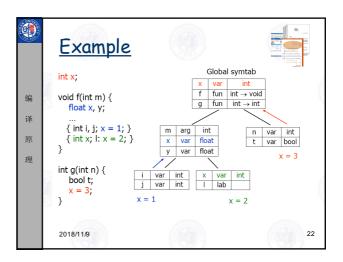


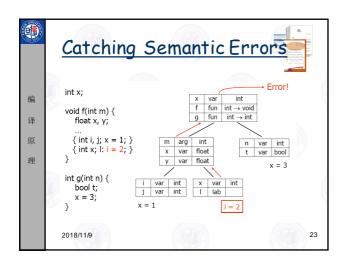


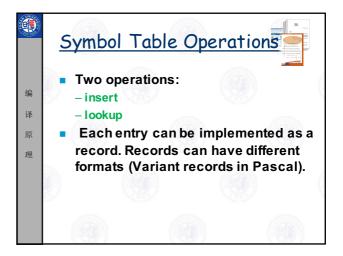


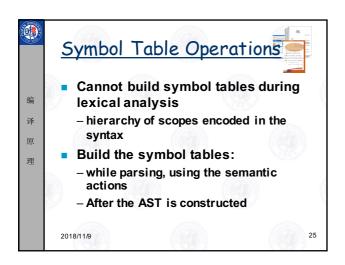


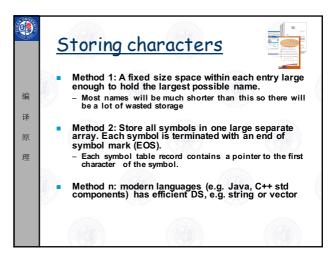


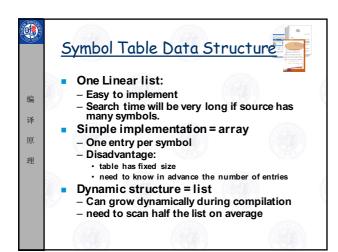


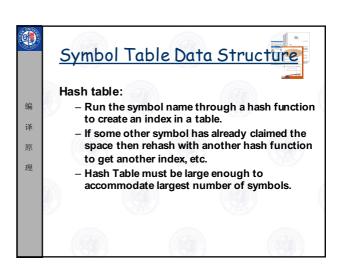


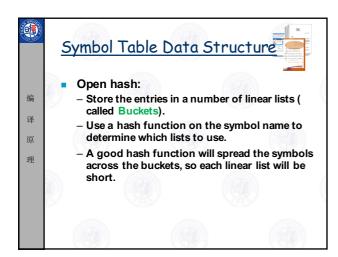


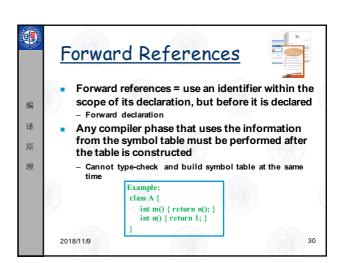


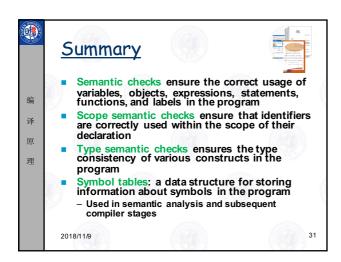


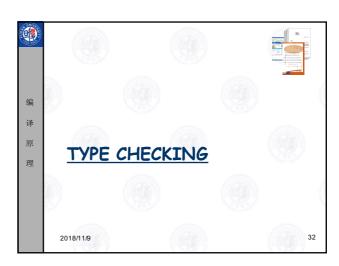


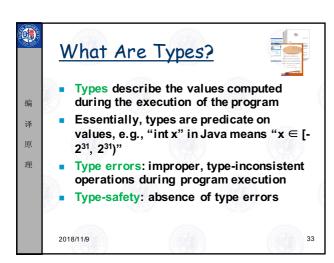


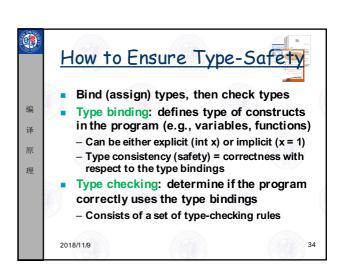


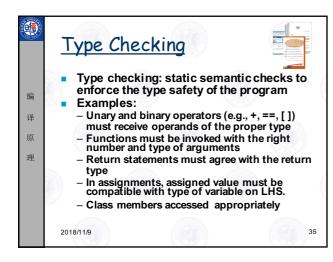


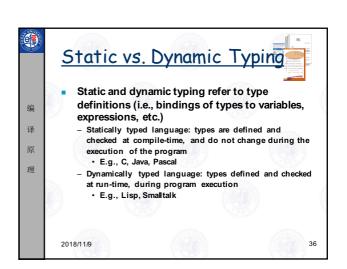


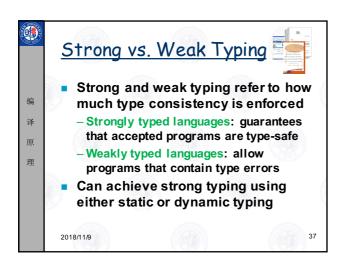


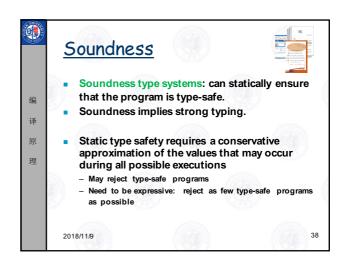


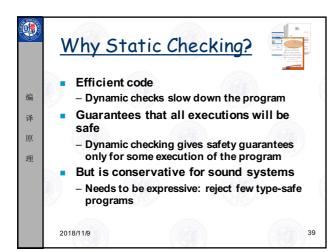


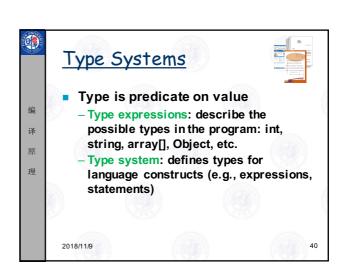


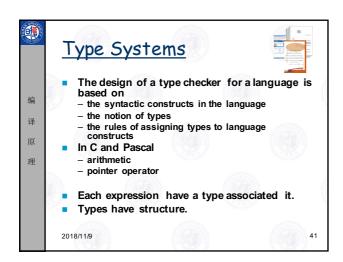


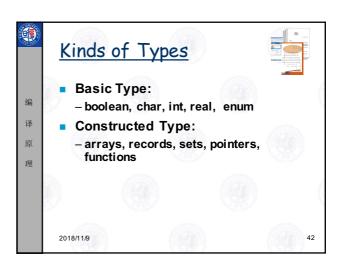


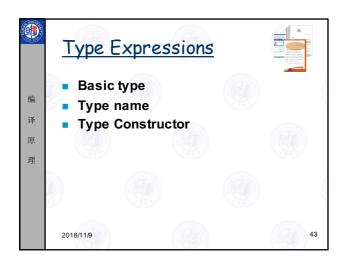


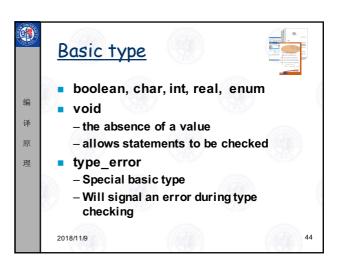


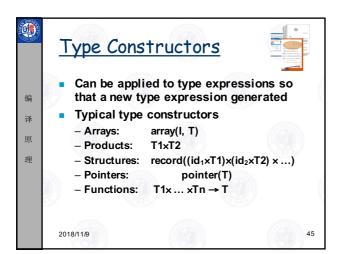


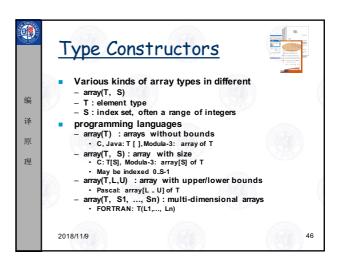


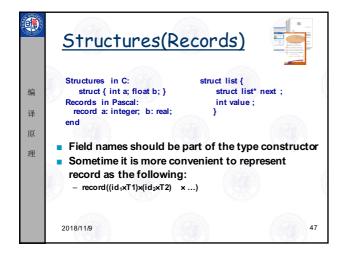


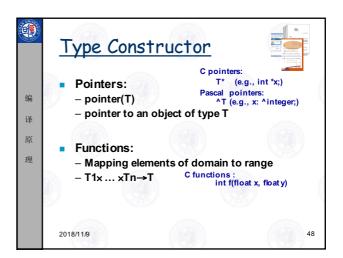


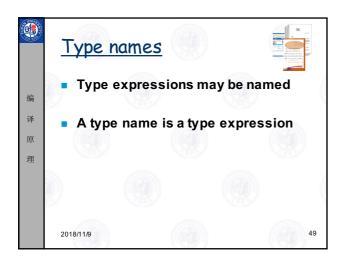


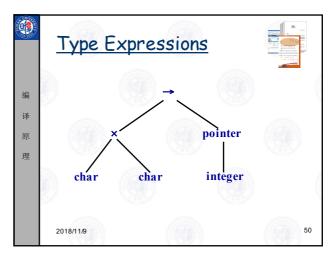


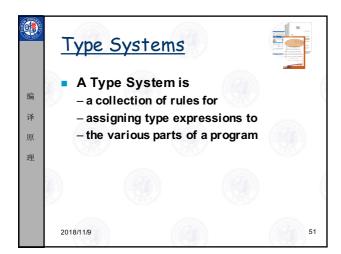


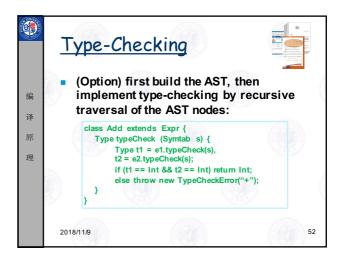


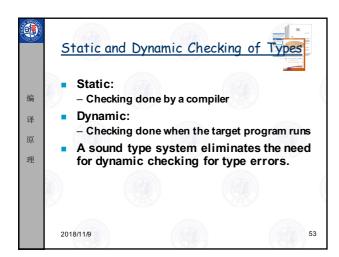


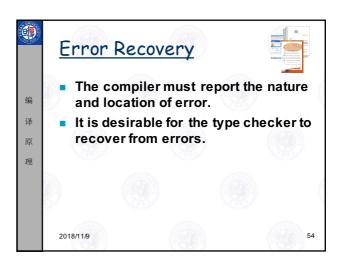


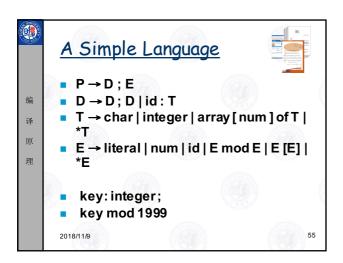


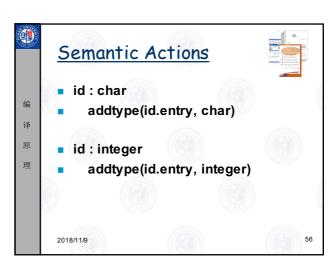


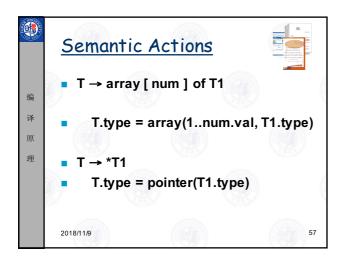


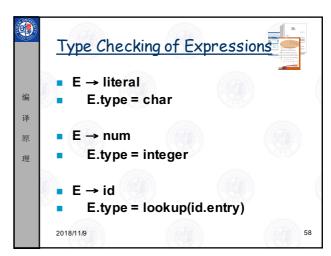


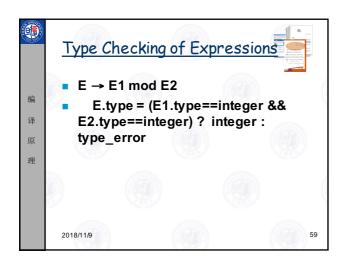


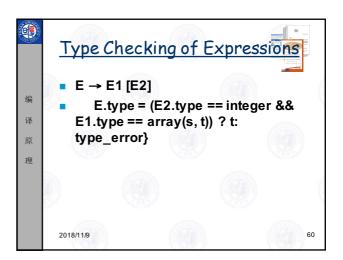


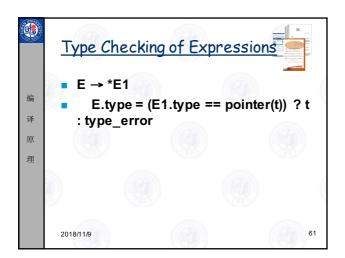


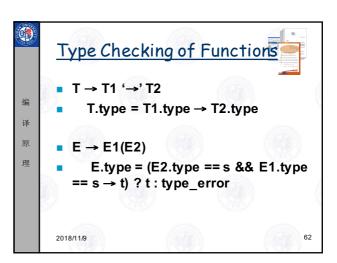


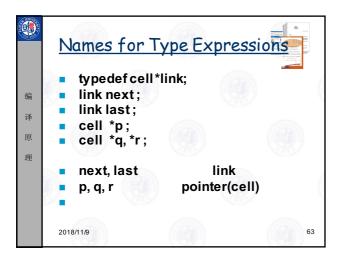


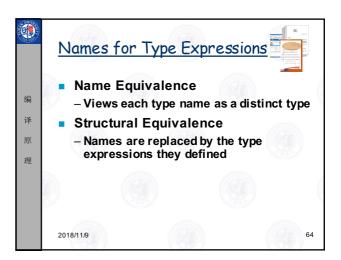












```
Structural Equivalence of Type Expressions

Two expressions are
Either the same basic type
Or are formed by applying the same constructor to structurally equivalent types
```

```
Algorithm
         int sequiv(s, t) {
                 if ( s and t are the same basic type ) return 1;
                 else if ( s == array(s1, s2) \&\& t == array(t1, t2) )
                         return sequiv(s1, t1) && sequiv(s2, t2)
译
                 else if ( s == s1xs2 && t == t1 x t2 )
                         return sequiv(s1, t1) && sequiv(s2, t2)
                 else if ( s == pointer(s1) && t == pointer(t1) )
玾
                         return sequiv(s1, t1)
                 else if (s == s1\rightarrows2 && t == t1 \rightarrow t2)
                         return sequiv(s1, t1) && sequiv(s2, t2)
                 return 0;
         }
         2018/11/9
```

