```
package intero1;

public class Int1 {

	public static void main (String arg[]){
		byte bb=1 ; short p=2 ; int n=3 ; long q=4 ;
		float x=5.f ; double y=6. ;

		System.out.println ("** A ** ") ;
		A a = new A() ; a.f(bb) ; a.f(x) ;
		System.out.println ("** B ** ") ;
		B b = new B() ; b.f(bb) ; b.f(x) ;
		System.out.println ("** C ** ") ;
		C c = new C() ; c.f(bb) ; c.f(q) ; c.f(x) ;
		System.out.println ("** D ** ") ;
		D d = new D() ; d.f(bb) ; d.f(q) ; d.f(y) ;
		System.out.println ("** F ** ") ;
		F f = new F() ; f.f(bb) ; f.f(n) ; f.f(x) ; f.f(y) ;

		a = f ; a.f(bb) ; a.f(n) ; a.f(x) ; a.f(y) ;
		c = f ; c.f(bb) ; c.f(n) ; c.f(x) ; c.f(y) ;

		f.f(n,bb);
		c.f(n,bb);

		((F)d).f(n,bb);
		((C)f).f(n,bb);
		((C)f).f(n);
		((C)f).f(x);
		}
}

class A{
public void f(double x) { System.out.println ("A.f(double=" + x +") ") ; }
}

class B extends A {
public void f(int q) { System.out.println ("B.f(int=" + q + ") ") ; }
}

class C extends A{
public void f(long q) { System.out.println ("C.f(long=" + q + ") ") ; }
public void f(float x, int n) { System.out.println ("C.f(float="+ x +", int=" +
n+")" );}
}

class D extends C{
public void f(int n) { System.out.println ("D.f(int=" + n + ") ") ; }

}

class F extends C{
public void f(double x) { System.out.println ("F.f(double=" + x + ") ") ; }
public void f(int n) { System.out.println ("F.f(int=" + n + ") ") ; }
public void f(int n, float x) { System.out.println ("F.f(int=" + n +", float="+ x
+")");}
}
```

```
** A **
A.f(double=1.0)
A.f(double=5.0)

** B **
B.f(int=1)
A.f(double=5.0)

** C **
C.f(long=1)
C.f(long=4)
A.f(double=5.0)

** D **
D.f(int=1)
C.f(long=4)
A.f(double=6.0)

** F **
F.f(int=1)
F.f(int=3)
F.f(double=5.0)
F.f(double=6.0)

**  **
F.f(double=1.0)
F.f(double=3.0)
F.f(double=5.0)
F.f(double=6.0)
C.f(long=1)
C.f(long=3)
F.f(double=5.0)
F.f(double=6.0)

**  **
f.f(n,bb); // ambigue
C.f(float=3.0, int=1)

**  **
((F)d).f(n,bb); // Impossible de jeter de D à F
C.f(float=3.0, int=1)
C.f(long=3)
F.f(double=5.0)
```

```
package intero2;

public class Int2 {

	public static void main (String arg[]){
		byte bb=1 ; short p=2 ; int n=3 ; long q=4 ;
		float x=5.f ; double y=6. ;

		System.out.println ("** A ** ") ;
		A a = new A() ; a.f(x) ; a.f(y) ;
		System.out.println ("** B ** ") ;
		B b = new B() ; b.f(bb) ; b.f(n) ;
		System.out.println ("** C ** ") ;
		C c = new C() ; c.f(bb) ; c.f(q) ; c.f(x) ;
		System.out.println ("** D ** ") ;
		D d = new D() ; d.f(bb) ; d.f(q) ; d.f(y) ; d.f(x, n);
		System.out.println ("** F ** ") ;
		F f = new F() ; f.f(bb) ; f.f(n) ; f.f(x) ; f.f(y) ;

		a = f ; a.f(bb) ; a.f(n) ; a.f(x) ; a.f(y) ;
		c = f ; c.f(bb) ; c.f(n) ; c.f(x) ; c.f(y) ;

		f.f(n,bb);
		c.f(n,bb);

		((F)d).f(n,bb);
		((C)f).f(n,bb);
		((C)f).f(n);
		((C)f).f(x);
		}
}

class A{
public void f(double x) { System.out.println ("A.f(double=" + x +") ") ; }
}

class B extends A {
public void f(int q) { System.out.println ("B.f(int=" + q + ") ") ; }
}

class C extends A{
public void f(long q) { System.out.println ("C.f(long=" + q + ") ") ; }
public void f(double x, int n) { System.out.println ("C.f(double="+ x +", int=" +
n+")" );}
}

class D extends C{
public void f(int n) { System.out.println ("D.f(int=" + n + ") ") ; }
public void f(double x, int n) { System.out.println ("D.f(double="+ x +", int=" +
n+")" );}
}

class F extends C{
public void f(double x) { System.out.println ("F.f(double=" + x + ") ") ; }
public void f(long n) { System.out.println ("F.f(int=" + n + ") ") ; }
public void f(int n, double x) { System.out.println ("F.f(int=" + n +", double="+ x
+")");}
}
```

```
** A **
A.f(double=5.0)
A.f(double=6.0)

** B **
B.f(int=1)
B.f(int=3)

** C **
C.f(long=1)
C.f(long=4)
A.f(double=5.0)

** D **
D.f(int=1)
C.f(long=4)
A.f(double=6.0)
D.f(double=5.0, int=3)

** F **
F.f(long=1)
F.f(long=3)
F.f(double=5.0)
F.f(double=6.0)

**  **
F.f(double=1.0)
F.f(double=3.0)
F.f(double=5.0)
F.f(double=6.0)
F.f(long=1)
F.f(long=3)
F.f(double=5.0)
F.f(double=6.0)

**  **
f.f(n,bb); // ambigue
C.f(double=3.0, int=1)

**  **
((F)d).f(n,bb); // Impossible de jeter de D à F
C.f(double=3.0, int=1)
F.f(long=3)
F.f(double=5.0)
```