 The annotation member types must be one of:

* primitive
* String
* Class
* an Enum
* another Annotation
* an array of any of the above
* constant declaration
* class declaration
* interface declaration

**It is a compile-time error if an annotation type declaration T contains an element of type T, either directly or indirectly.**

@interface Quality {

enum Level { BAD, INDIFFERENT, GOOD }

Level value();

}

interface Formatter {}

// Designates a formatter to pretty-print the annotated class

@interface PrettyPrinter {

Class<? extends Formatter> value();

}

@interface Endorsers {

String[] value();

}

@interface SelfRef { SelfRef value(); } //It is not allowed

https://docs.oracle.com/javase/specs/jls/se8/html/jls-9.html#jls-9.6.1