Class Metal inherits form Element

Classfeilds:

conductivity (double)

Default Constructor

ASSERTION ALGORITHM

super default constructor

conductivity =0

Alternate Constructor

ASSERTION: ALGORITHM:

comment: send all super values to alternate super constructor

super ← inName, inSymbol, inAtomic, inMass

IF conductivity > 0.00

conductivity =inConductivity

ELSEIF

Throw Exception

Copy Constructor

IMPORT inElement (ElementClass)

ASSERTION ALGORITHM:

conductivity = inConductivity

Getters

getConductivity

IMPORT inConductivity

ALGORITHM:

Export copy of conductivity

Setters

setConductivity

IMPORT IMPORT inConductivity

ALGORITHM:

conductivity = inConductivity

Equals

IMPORT inMetal

ASSERTION ALGORITHM:

If inConductivity == getConductivity

isEqual = true

Else

isEqual = false

toString

EXPORT super.toString + "," + conductivity +"/>"