```
short int
             unsigned char
                   +fromSquare
                   +moveData
       +score
                    +pieceInfo
                    +toSquare
       S MOVE
+ isNormalCapture()
+ isEPCapture()
+ isCheck()
+ isPawnDoublePush()
+ isPromotion()
+ getPromotedPiece()
+ setAttributes()
+ unsetAttributes()
+ getMovingPiece()
+ getCapturedPiece()
+ getCastle()
+ S MOVE()
+ S MOVE()
+ S MOVE()
```