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<<interface>>
                                                                                   BarcodelO
+ scan(BarcodeImage bc) : boolean
+ readText(String text) : boolean
+ generateImageFromText() : boolean
+ translateImageToText() : boolean
+ displayTextToConsole() : void
+ displayImageToConsole() : void
                                                                                   DataMatrix
  + static BLACK_CHAR : char
+ static WHITE_CHAR : char
  - image : BarcodeImage

- text : String

- actualWidth : int

- actualHeight : int
+ getActualWidth() : int
+ getActualHeight() : int
+ getText() : String
+ getImage() : BarcodeImage
- computeSignalWidth() : int
- computeSignalHeight() : int
- shiftImageToLowerLeft() : void
- shiftImageDown(int offset) : void
- shiftImageLeft(int offset) : void
- colToChar(int col) : char
- charToCol(int ascii, int col) : void
- cleanImage() : void
- charToCol(int ascii, int col)
- cleanImage(): void
- resetImage(): void
- writeLimitLines(): void
- writeBeftLimit(): void
- writeOpenBorders(): void
- writeOpenBorders(): void
- writeRightBorder(): void
- printHorizontalLine(): void
```

## + static MAX\_HEIGHT : int + static MAX\_WIDTH : int - imageData : boolean[][] + getPixel(int row, int col) : boolean + setPixel(int row, int col, boolean value) : boolean - checksize(String[] data) - displayToConsole() : void