## NAME

gxl2gv,gv2gxl – GXL-GV converters

## SYNOPSIS

**gxl2gv** [ **–gd?** ] [ **-o***outfile* ] [ *files* ]
**gv2gxl** [ **–gd?** ] [ **-o***outfile* ] [ *files* ]

## DESCRIPTION

**gxl2gv** converts between graphs represented in GXL and in the GV language. Unless a conversion type is specified using a flag, **gxl2gv** will deduce the type of conversion from the suffix of the input file, a ".gv" suffix causing a conversion from GV to GXL, and a ".gxl" suffix causing a conversion from GXL to GV. If no suffix is available, e.g. when the input is from a pipe, and no flags are used then **gxl2gv** assumes the type of the input file from its executable name so that **gxl2gv** converts from GXL to GV, and **gv2gxl** converts from GV to GXL.

GXL supports a much richer graph model than GV. **gxl2gv** will attempt to map GXL constructs into the analogous GV construct when this is possible. If not, the GXL information is stored as an attribute. The intention is that applying **gxl2gv|gv2gxl** is semantically equivalent to the identity operator.

## OPTIONS

The following options are supported:

**–g** The command name and input file extensions are ignored, the input is taken as a GV file and a GXL file is generated.

**–d** The command name and input file extensions are ignored, the input is taken as a GXL file and a GV file is generated.

**–?** Prints usage information and exits.

**–o** *outfile*
If specified, the output will be written into the file *outfile*. Otherwise, output is written to standard out.

## OPERANDS

The following operand is supported:

*files* Names of files containing 1 or more graphs in GXL or GV. If no *files* operand is specified, the standard input will be used.

## RETURN CODES

Both **gxl2gv** and **gv2gxl** return **0** if there were no problems during conversion; and non-zero if any error occurred.

## BUGS

**gxl2gv** will only convert in one direction even if given multiple files with varying suffixes.

The conversion can only handle one graph per GXL file.

There are some GXL constructs which **gxl2gv** cannot handle.

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## SEE ALSO

dot(1), neato(1), twopi(1)