

**NAME**

nbool - perform boolean operations on layout masks

**SYNOPSIS**

**nbool [-f] [-n|-c] [cell\_name]**

**OPTIONS**

- c** Check for hierarchical composition errors, this is the default mode of operation.
- n** Do not check for hierarchical composition errors.
- f** Use 'booldata' from the current working directory as input\_file in which the layercombinations are specified instead of the standard one from the library.

**DESCRIPTION**

*Nbool* performs boolean operations on vln\_files. If no option or the "-c" option is given, the program also checks for hierarchical composition errors such as overlap of layers of different cells without the presence of terminals. Use the "-n" option to turn this mode of operation off.

The boolean functions, which are performed, are specified in the file "booldata" in the directory "ICD-PATH/share/lib/process/TECHN". A boolean processing number, as specified in the file "booldata", is appended to the corresponding output file "bool\_".

If no cell\_name is given the cells given in the file "exp\_dat" are processed.

The current working directory must be the project directory.

The *nbool* program is normally not called directly by the user, but it is used by the *dimcheck* program.

**AUTHOR**

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**FILES**

NELSISPROJECT/exp\_dat  
names of the cells to be processed

ICDPATH/share/lib/process/TECHN/booldata  
input, TECHN=technology name

NELSISPROJECT/layout/cell/LC\_vln  
input, LC=LayerCode

NELSISPROJECT/layout/cell/bool\_BN  
input - output, BN=Boolean Nr.

**SEE ALSO**

exp(1ICD), dimcheck(1ICD), makevln(1ICD)