

## NAME

circuit ... adjacent - determine the nodes adjacent (connected) to a given node

## SYNOPSIS

**circuit** *cell adjacent* [options] [--] *NODE*

## OPTIONS

**-h, --help**

Display a help message.

**-e, --element-types** *ELEM-TYPE ...*

Only consider the given element types.

**-x, --show-attributes**

Show attributes along with each node.

## DESCRIPTION

The *adjacent* sub-command of the *circuit* tool allows the user to determine the nodes that are adjacent (i.e., connected) to the given node.

The **-e** option may be used to consider only elements of a given type. Available types are: **res** (resistances), **cap** (capacitances). If the option is not used, then all element types are considered.

The **-x** option is helpful when trying to match nodes between different extraction runs of Space. When passing the **-x** option to *space3d*, each node of the extracted circuit will be annotated with its coordinates. When performing another extraction later, node names may be different, but their coordinates will not change. Of course, there are exceptions (for example, a node may be eliminated in one extraction, and be retained in another), so the user should still be cautious.

## EXAMPLE

The following example shows how to obtain the (names of the) nodes adjacent to the given node named "SUBSTR". Only elements of type "res" (resistances) are considered.

```
% circuit -v oscil adjacent -e res -- SUBSTR
```

## AUTHOR

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## SEE ALSO

circuit(1ICD).