

**NAME**

sea - nelsis interface to sea-of-gates placement and routing

**SYNOPSIS**

sea [-options] <lay\_name>

**OPTIONS**

**<lay\_name>**

Nelsis layout name of cell (= your placement).

**-h** Help: print list of options.

**-c <cir\_name>**

Nelsis circuit of the cell (default: <lay\_name>).

**-o <out\_name>**

Nelsis layout cell in which to write the routed circuit (default: <lay\_name> = overwrite).

**-p** Placement only (default: both).

**-r** Routing only (default: both).

**-P <options>**

Pass 'options' to the placer.

**-R <options>**

Pass 'options' to the router.

**-v** Verify the circuit only.

**-V** Verbose parsing.

**-x <xl> -y <yt>**

Set left top of box for placement or routing (in lambda).

**-X <xr> -Y <yb>**

Set right bottom of box for routing (default: 0,0).

**-q** Quiet option: print nothing except errors.

**DESCRIPTION**

*Sea* is a command line interface for Sea-of-Gates placement and routing. Normally, placement and routing is done with the layout editor *seadali*(1ICD).

**EXAMPLE**

To place the layout of cell counter4bit use:

```
% sea -p counter4bit
```

**AUTHORS**

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**FILES**

proj\_dir/image.seadif (technology file)