

## s\_pi (subcircuit)

### Attributes

```
inputs: x
outputs: y
e_left_nodes:
e_right_nodes:
e_top_nodes:
e_bottom_nodes:
parameters:
  y20: 0
  Ki: 1
  Kp: 1
```

### Description

s\_pi is a PI controller which satisfies

$$y = K_P x + K_I \int x dt.$$