srff_nand.xbe

Attributes

```
xbe name=srff_nand evaluate=yes save_history=yes allow_ssw=no
#
# SR flip-flop (cross-coupled NAND gates)
# Assume zero gate delay.
#
Jacobian: variable
input_vars: s r
output_vars: q qbar
aux_vars:
iparms:
sparms:
rparms:
+  x_high=1
+  x_cross=0
+  q_prev=0
stparms: q_st=0
igparms:
outparms: s r q
```

Description

srff_nand.xbe is a SR flip-flop with inputs s, r, and outputs q, qbar. It mimics the behaviour of an SR latch with cross-coupled NAND gates. The start-up parameter q_st gives the q value in start-up simulation. s, r, q are made available as output variables. The parameter x_high specifies the high level in both input and output waveforms.