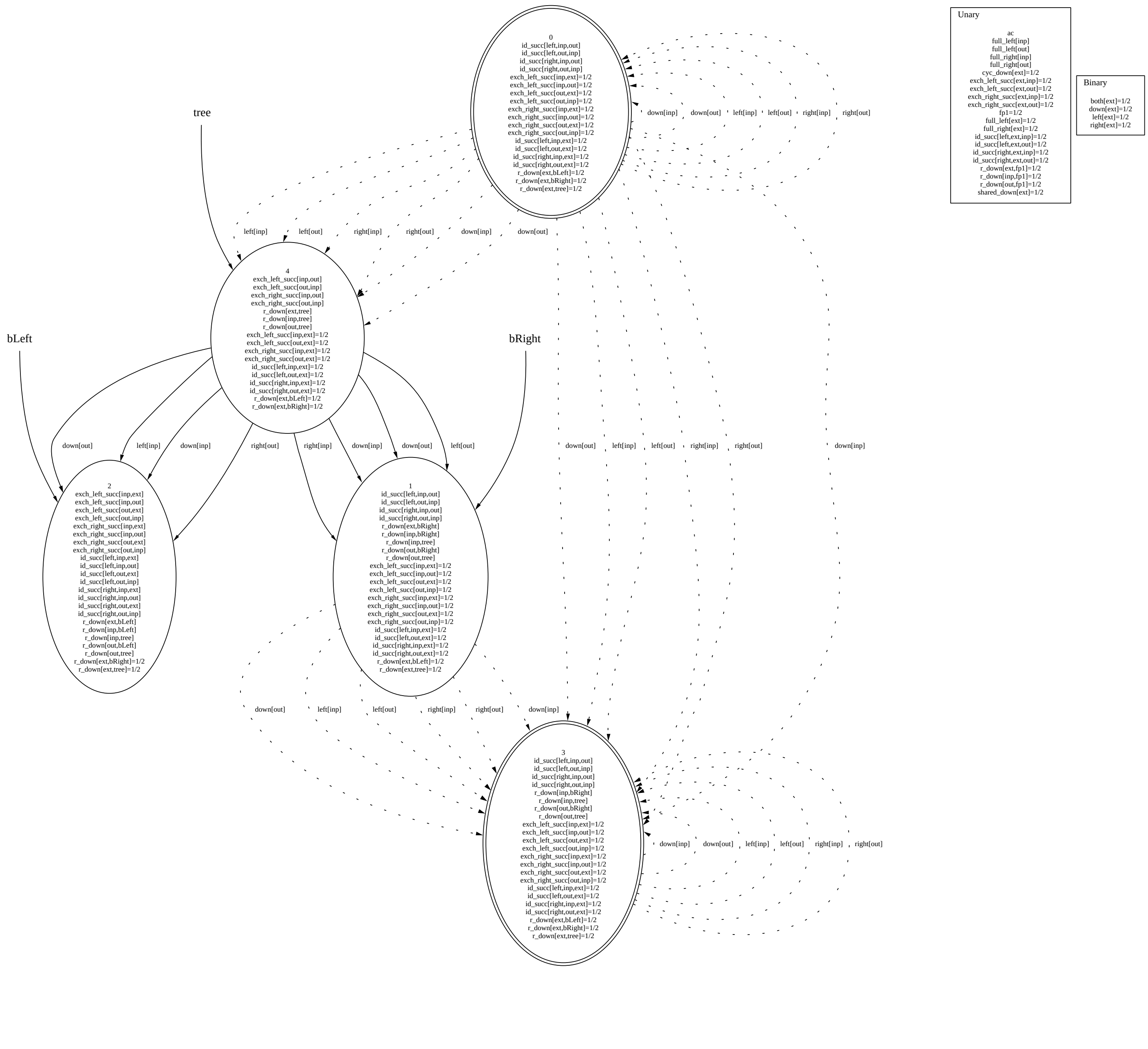
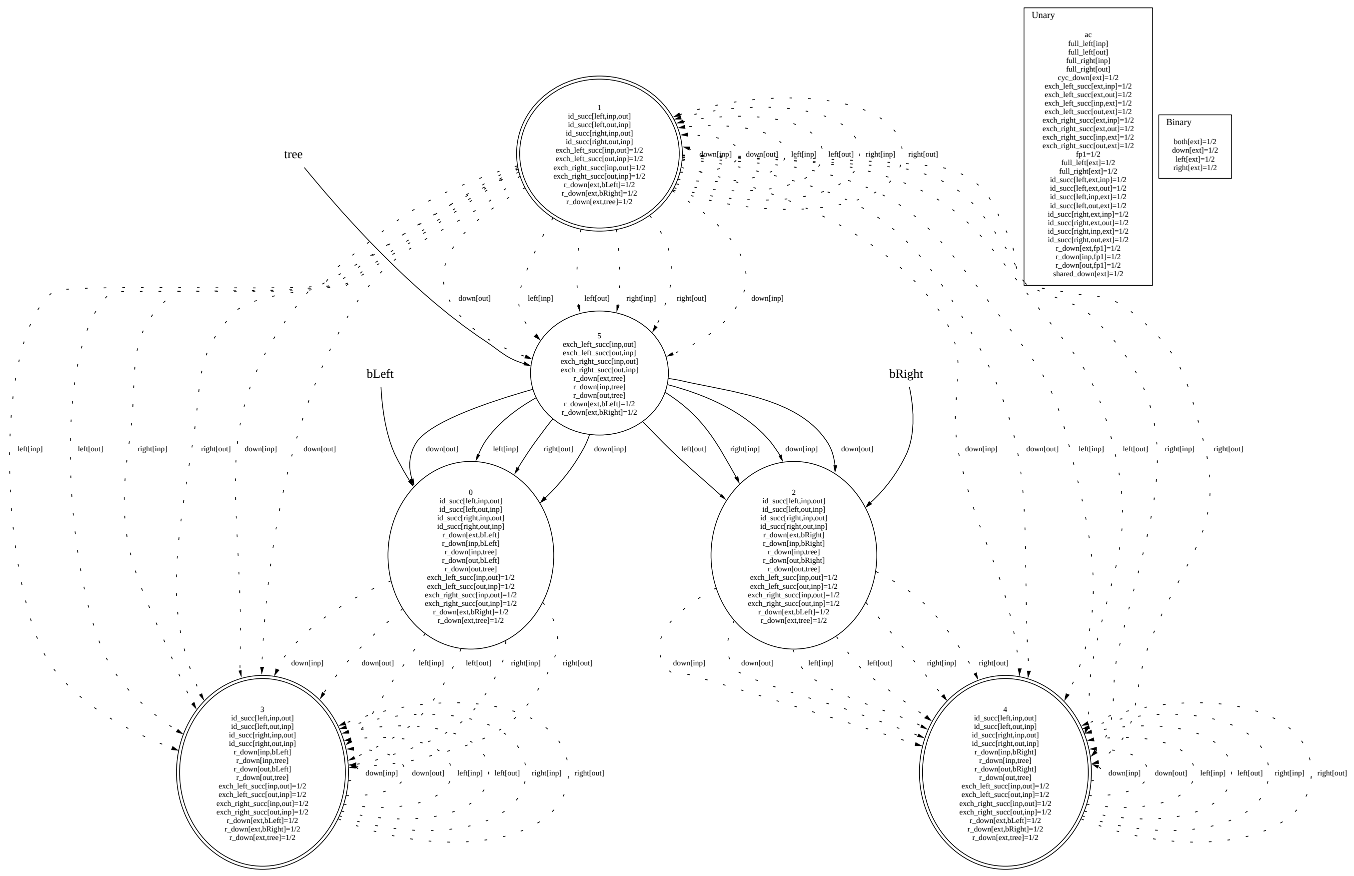
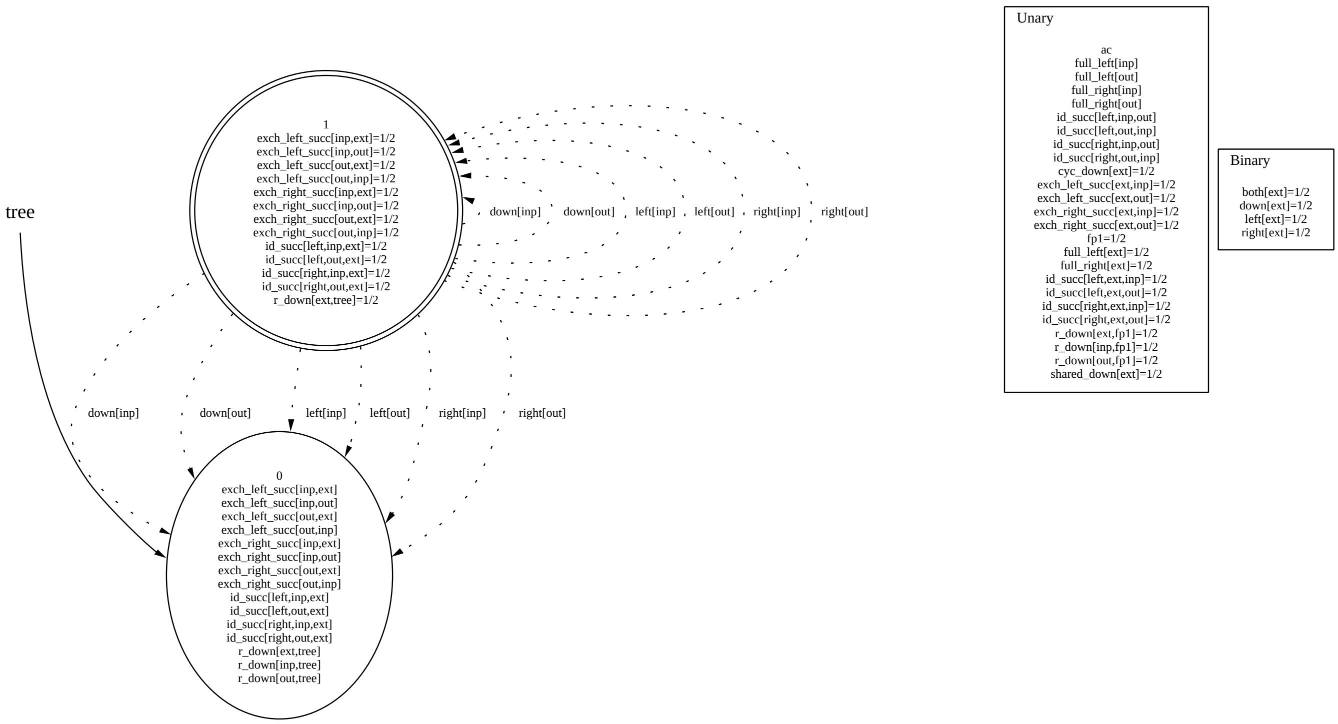
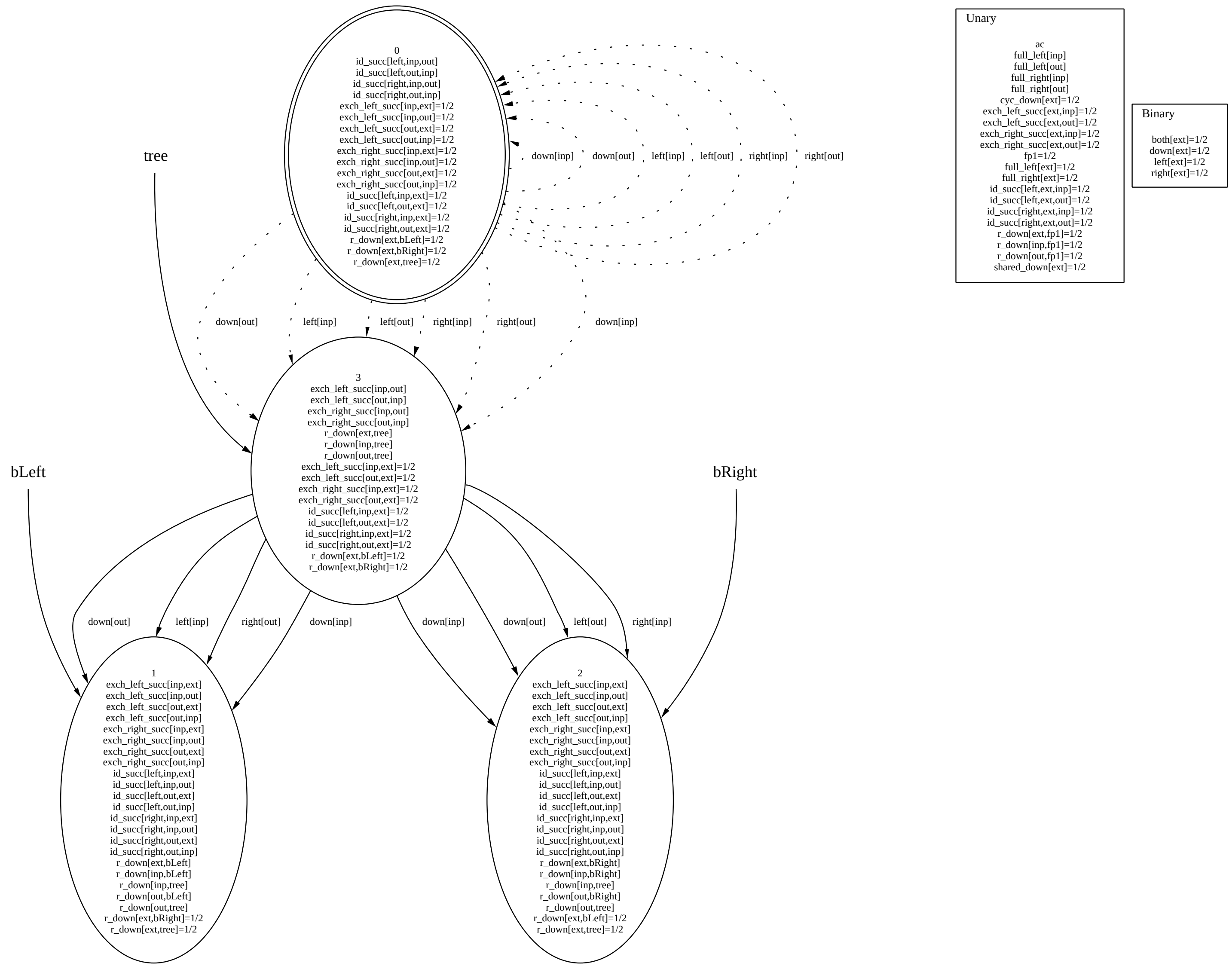
Equation Node exchange7

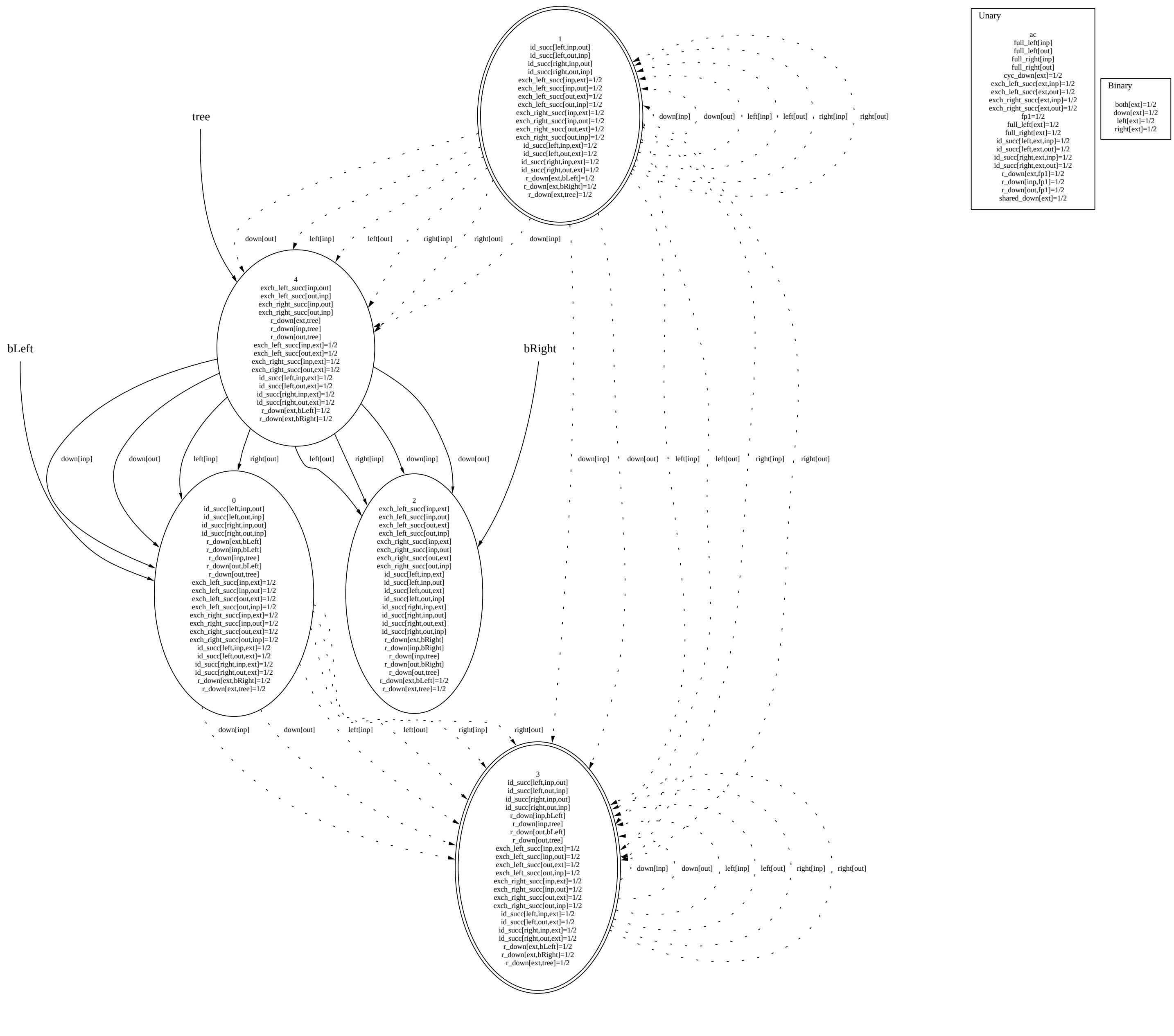


0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
down[inp]
right[out]
right[inp]
down[inp]
down[out]
left[out]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
3
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

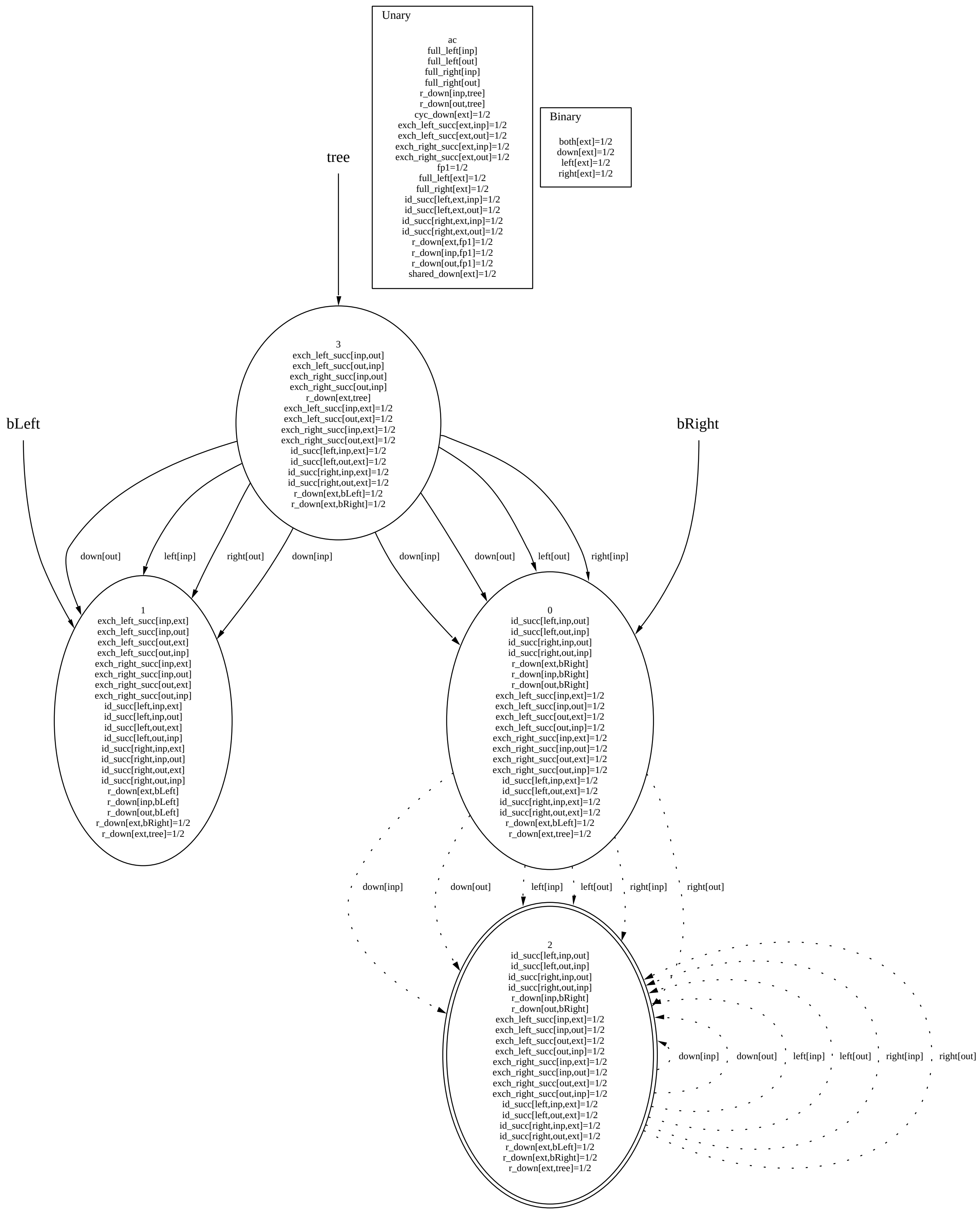

tree
bLeft
bRight
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
5
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
3
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
4
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2


tree
1
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
0
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,out,ext]
id_succ[right,inp,ext]
id_succ[right,out,ext]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

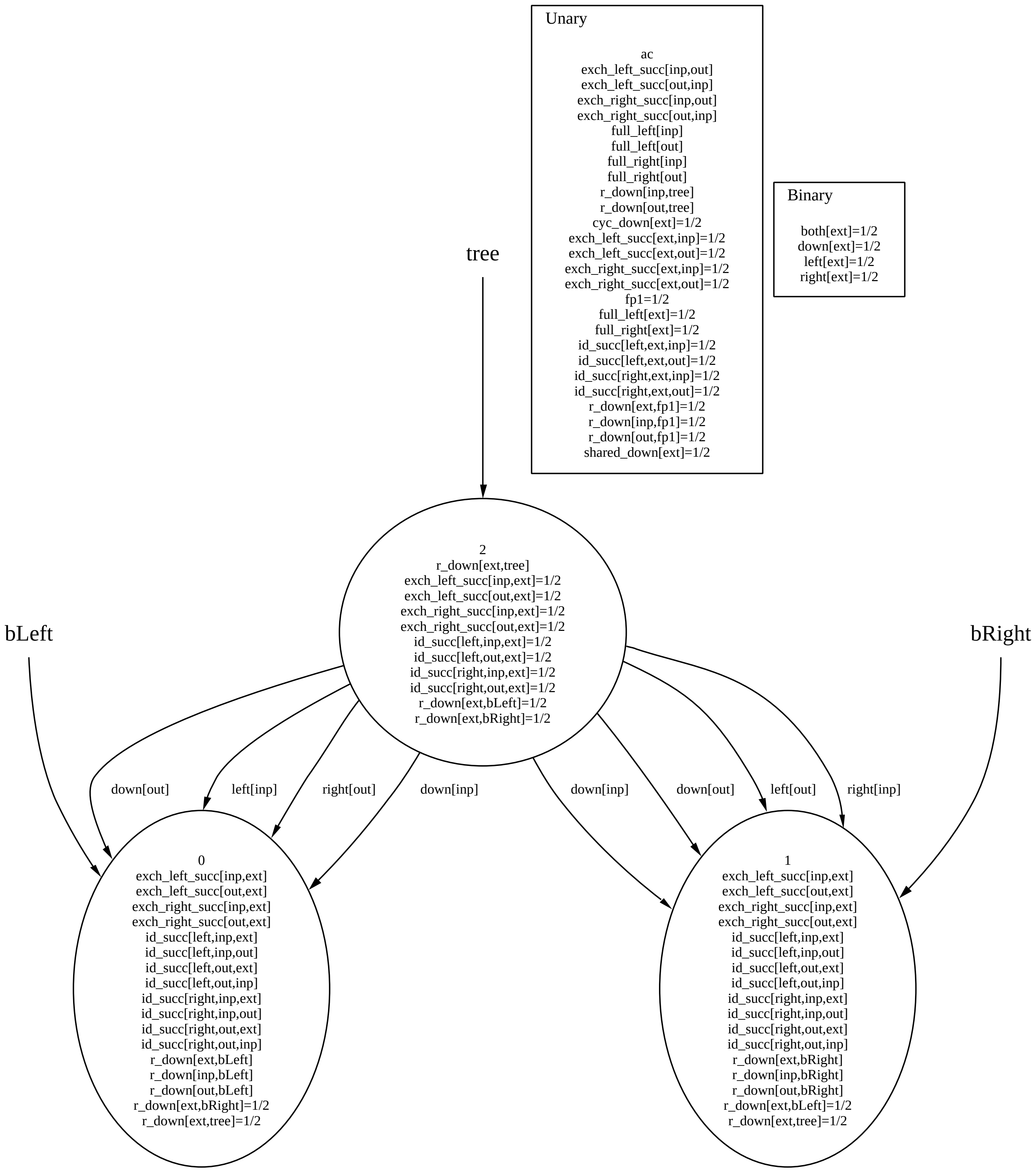

0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
tree
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

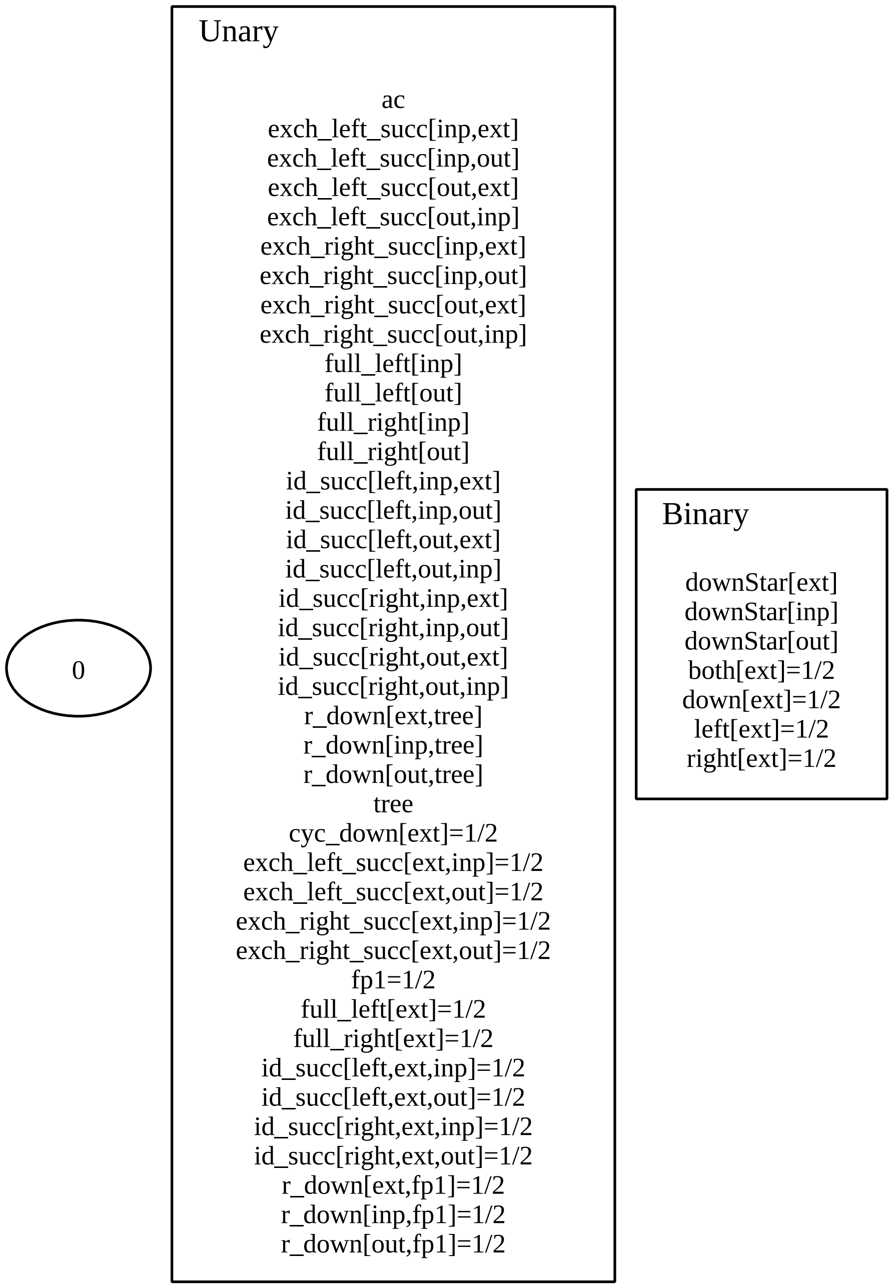


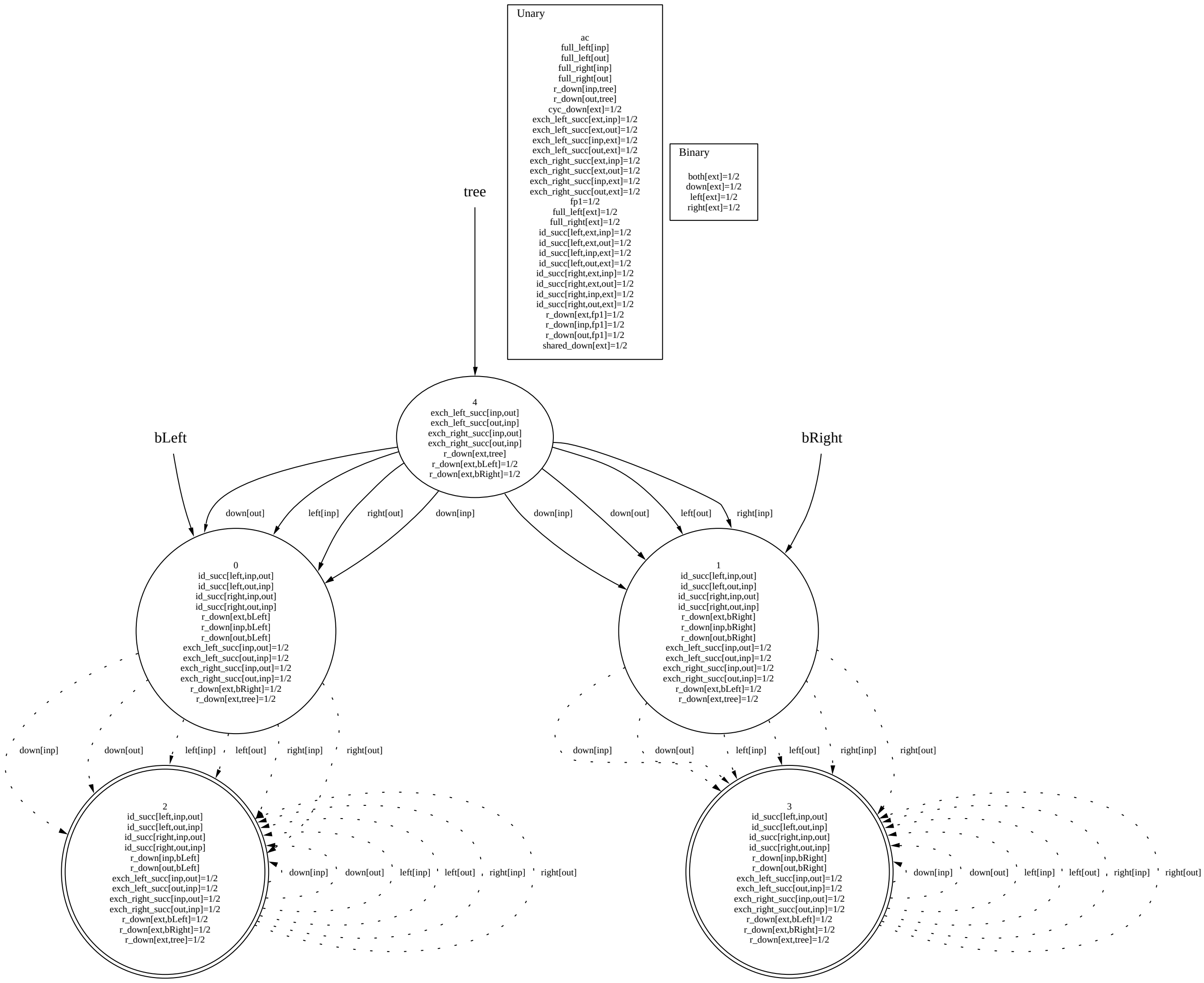
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
tree
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[inp]
down[out]
left[inp]
right[out]
left[out]
right[inp]
down[inp]
down[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
3
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

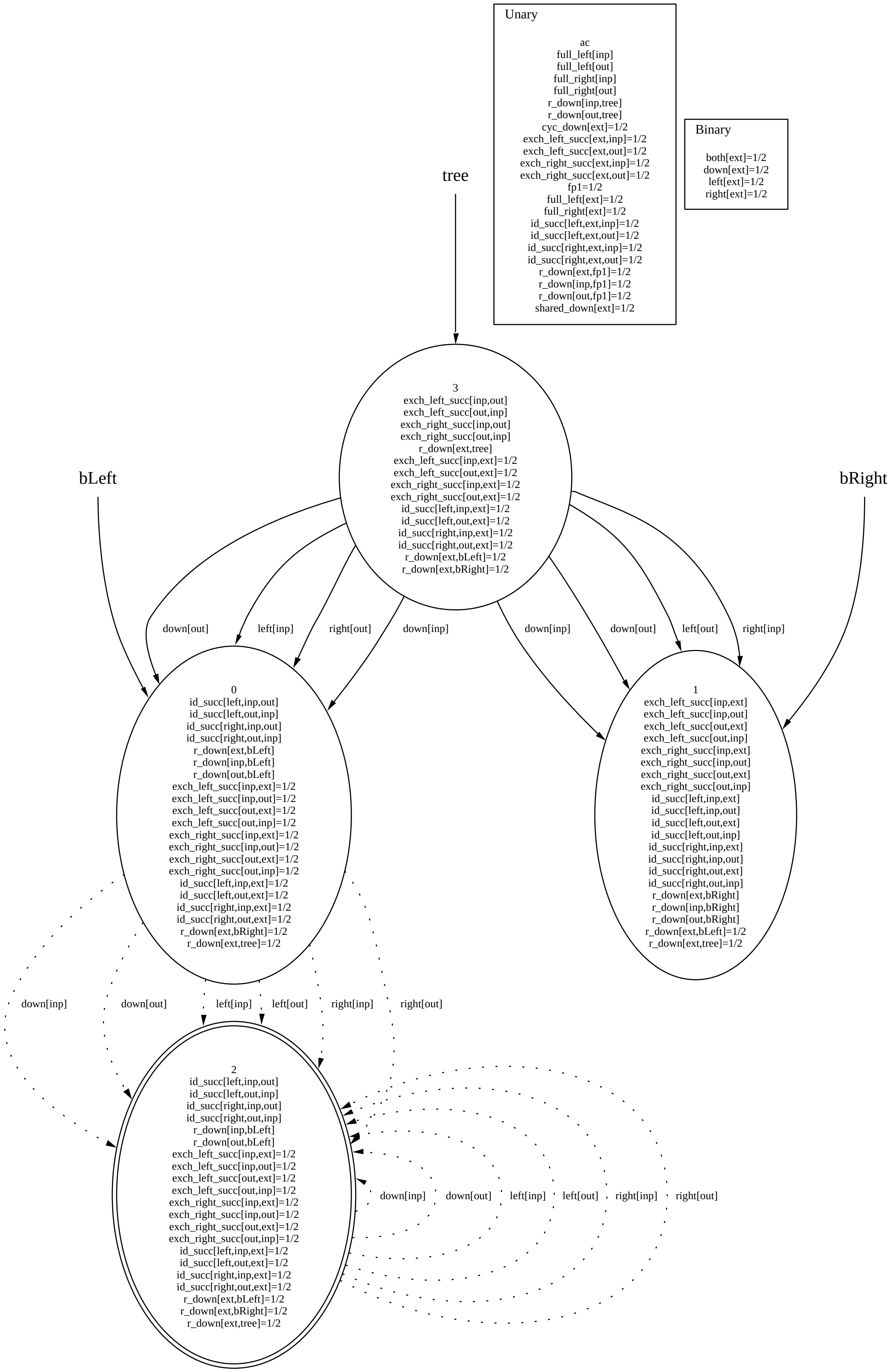


Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

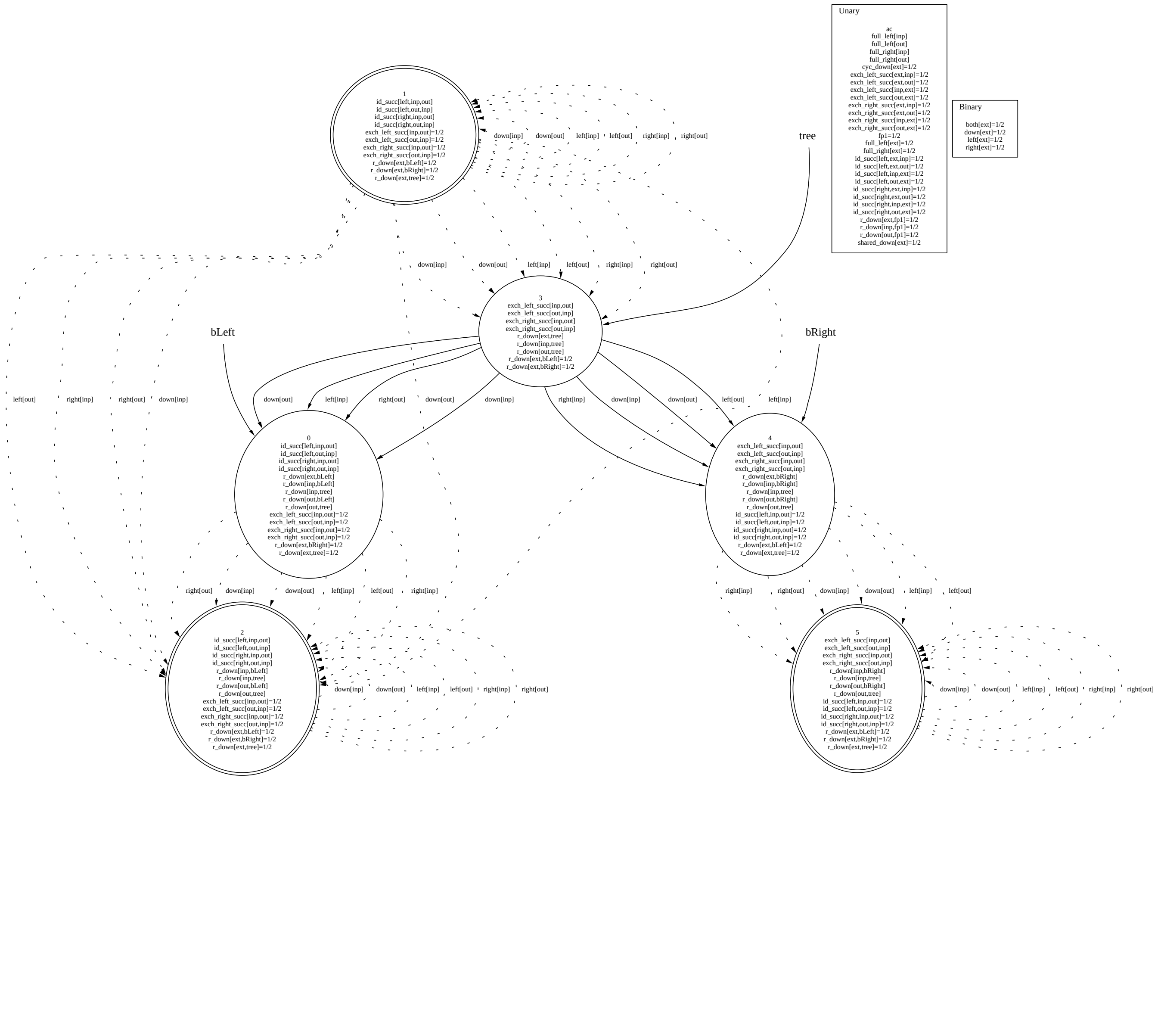

Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
2
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2


0
Unary
ac
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
tree
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
Binary
downStar[ext]
downStar[inp]
downStar[out]
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

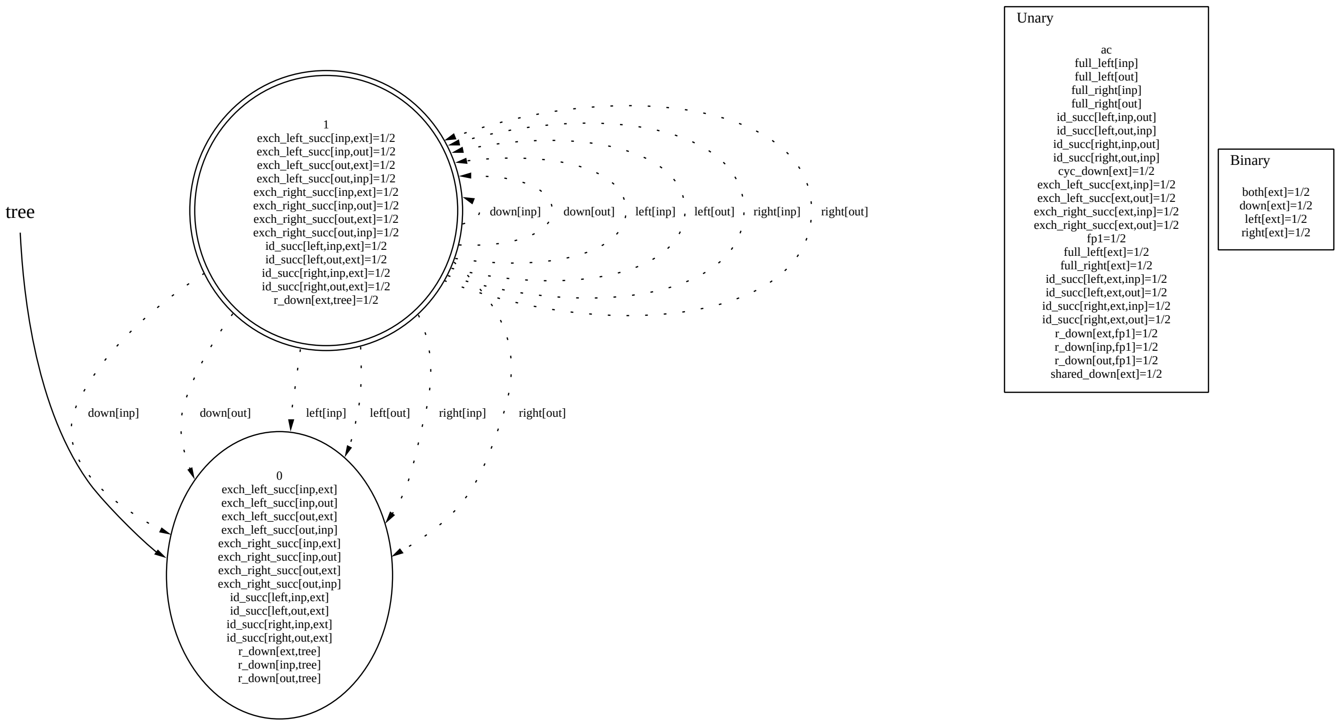

Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
3
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

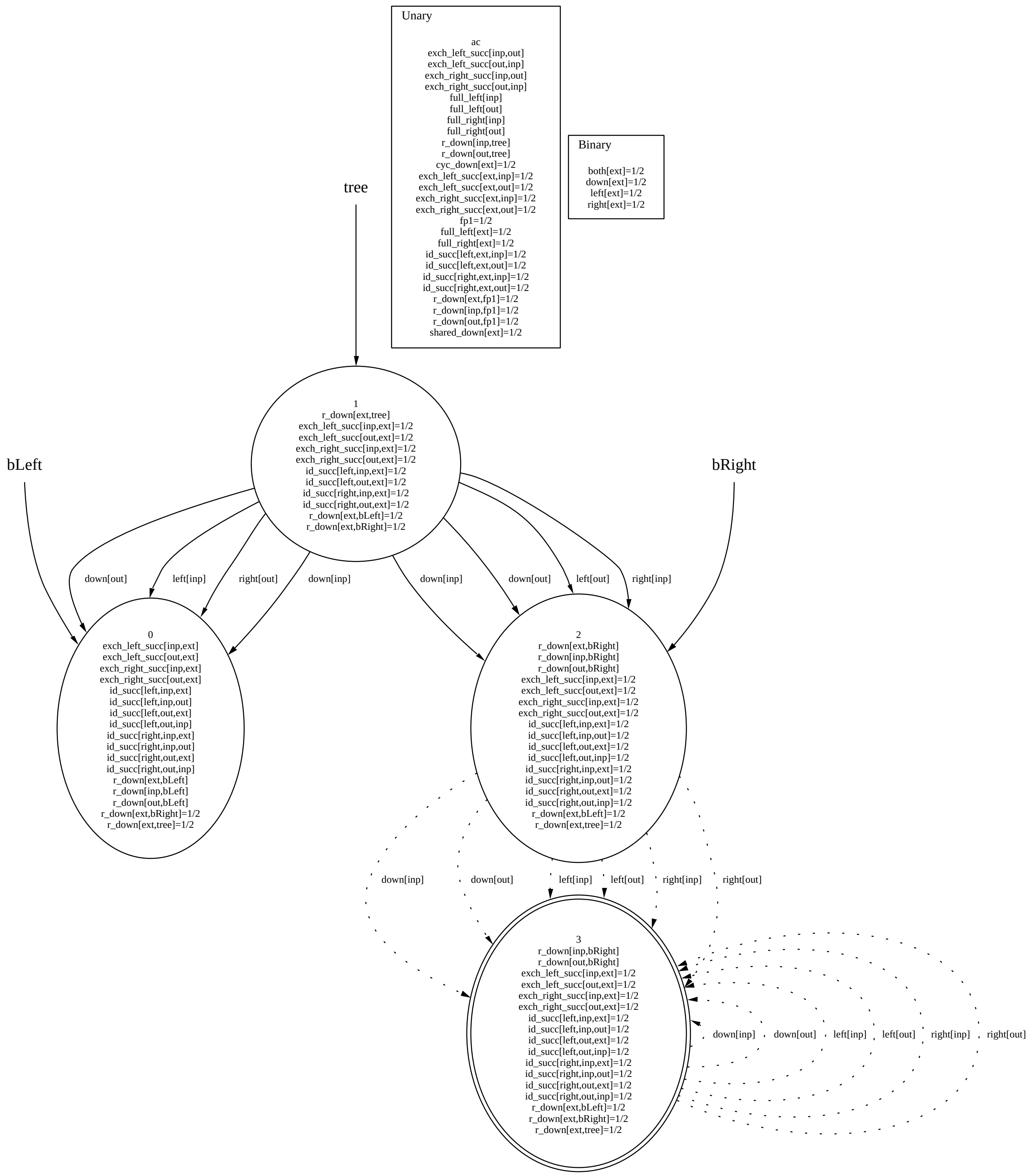

Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

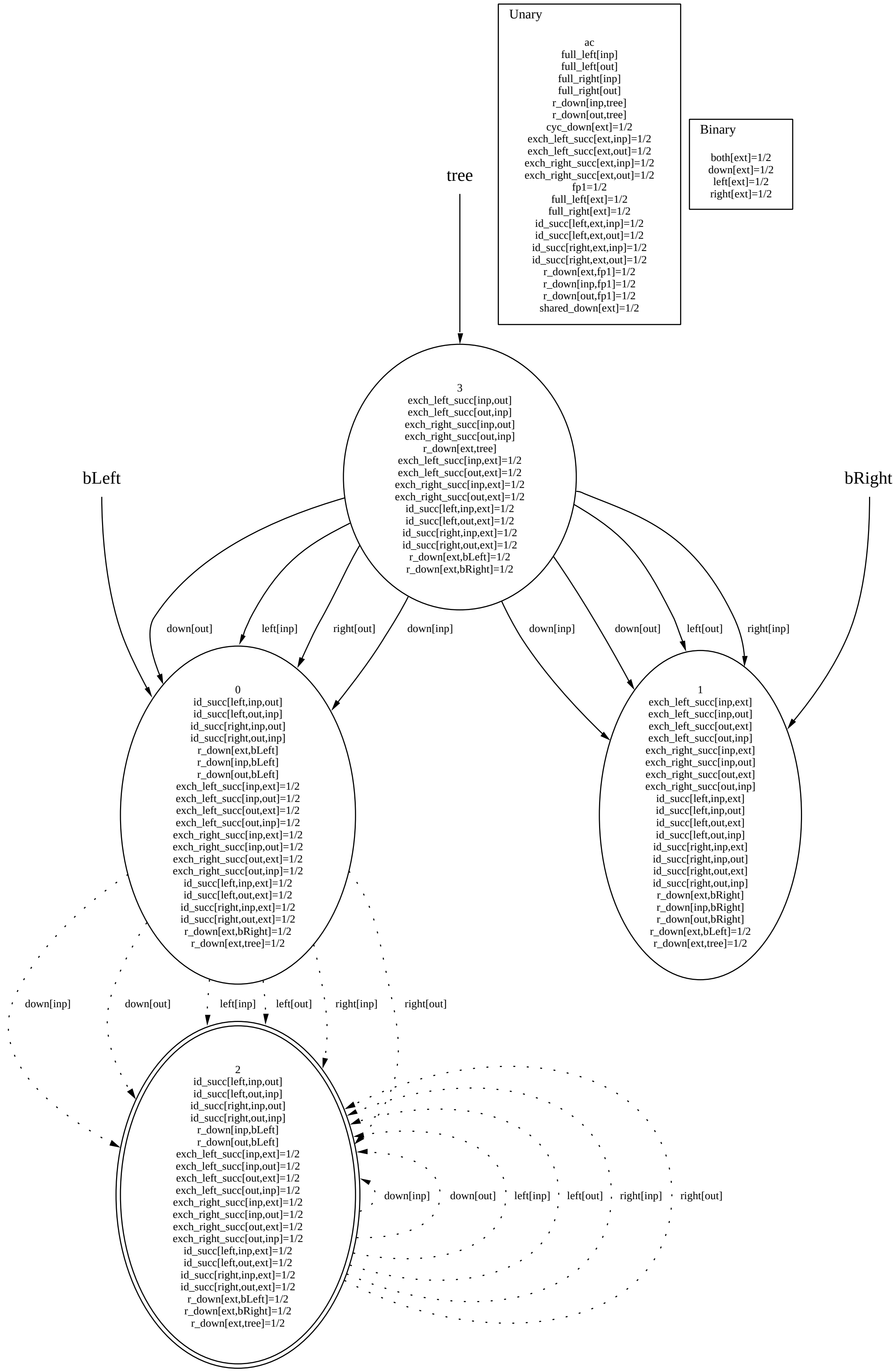
Equation Node exchange8

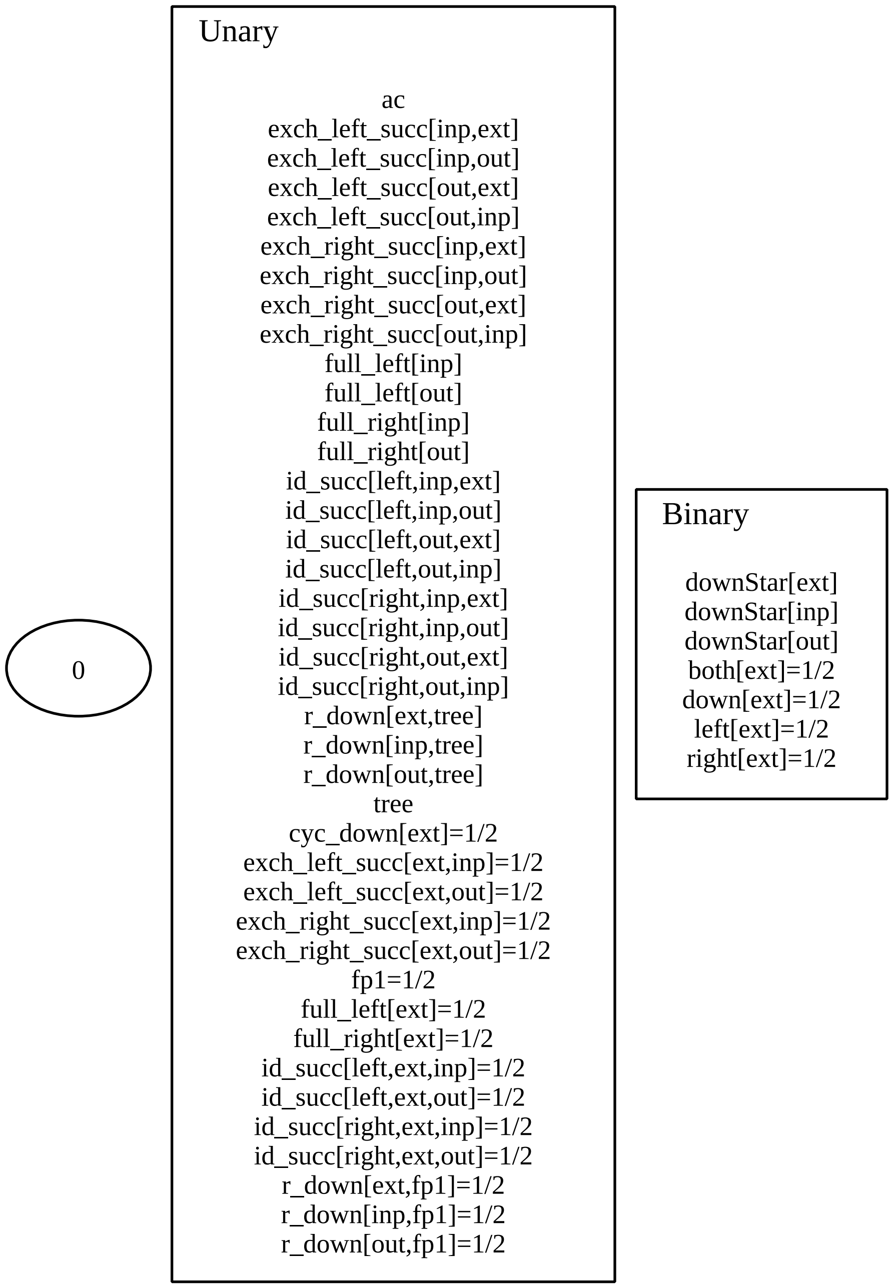


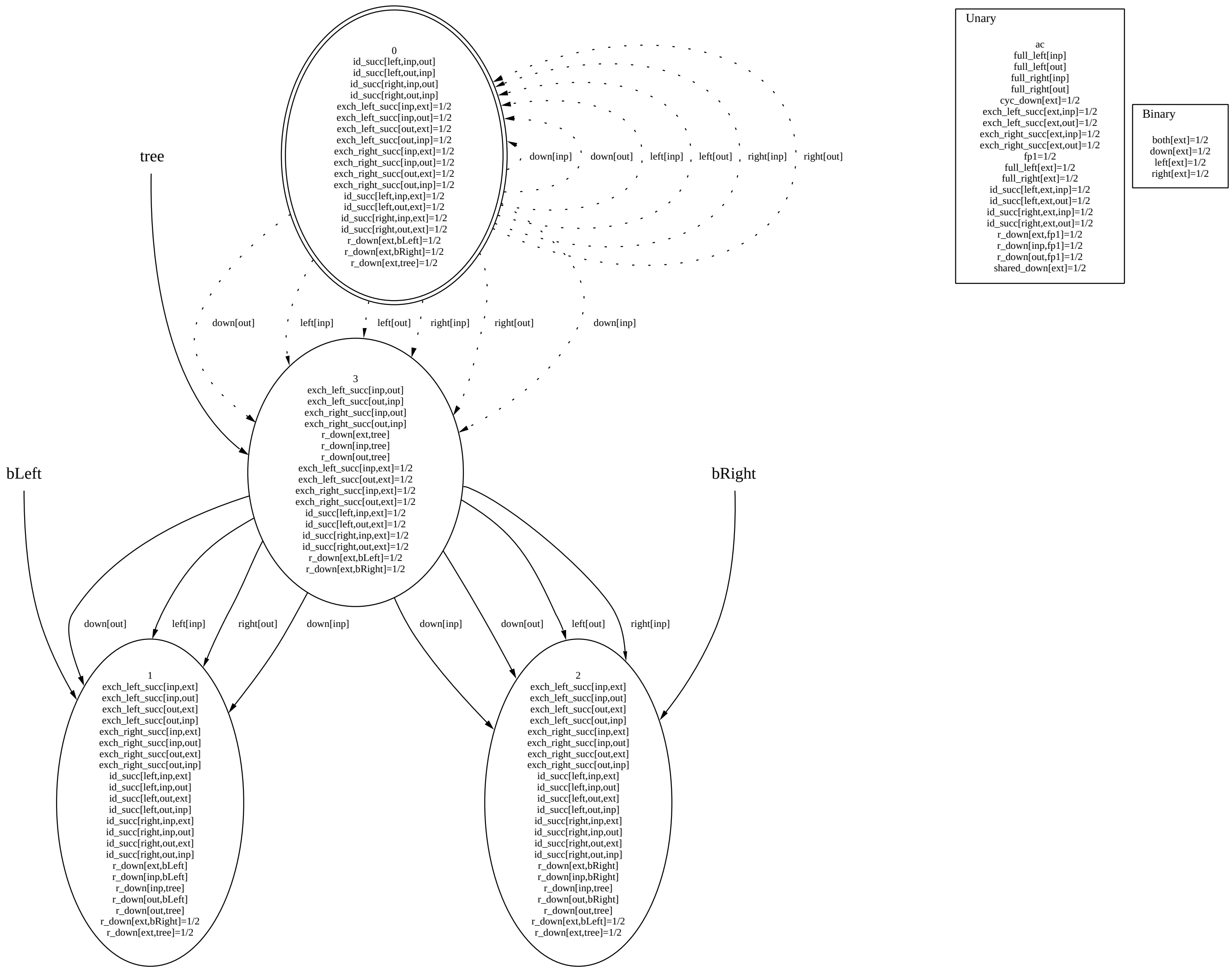
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
tree
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
left[out] right[inp] right[out] down[inp]
down[out] left[inp] right[out] down[out] down[inp]
right[inp] down[inp] down[out] left[out] left[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
right[out] down[inp] down[out] left[inp] left[out] right[inp]
right[inp] right[out] down[inp] down[out] left[inp] left[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
5
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]

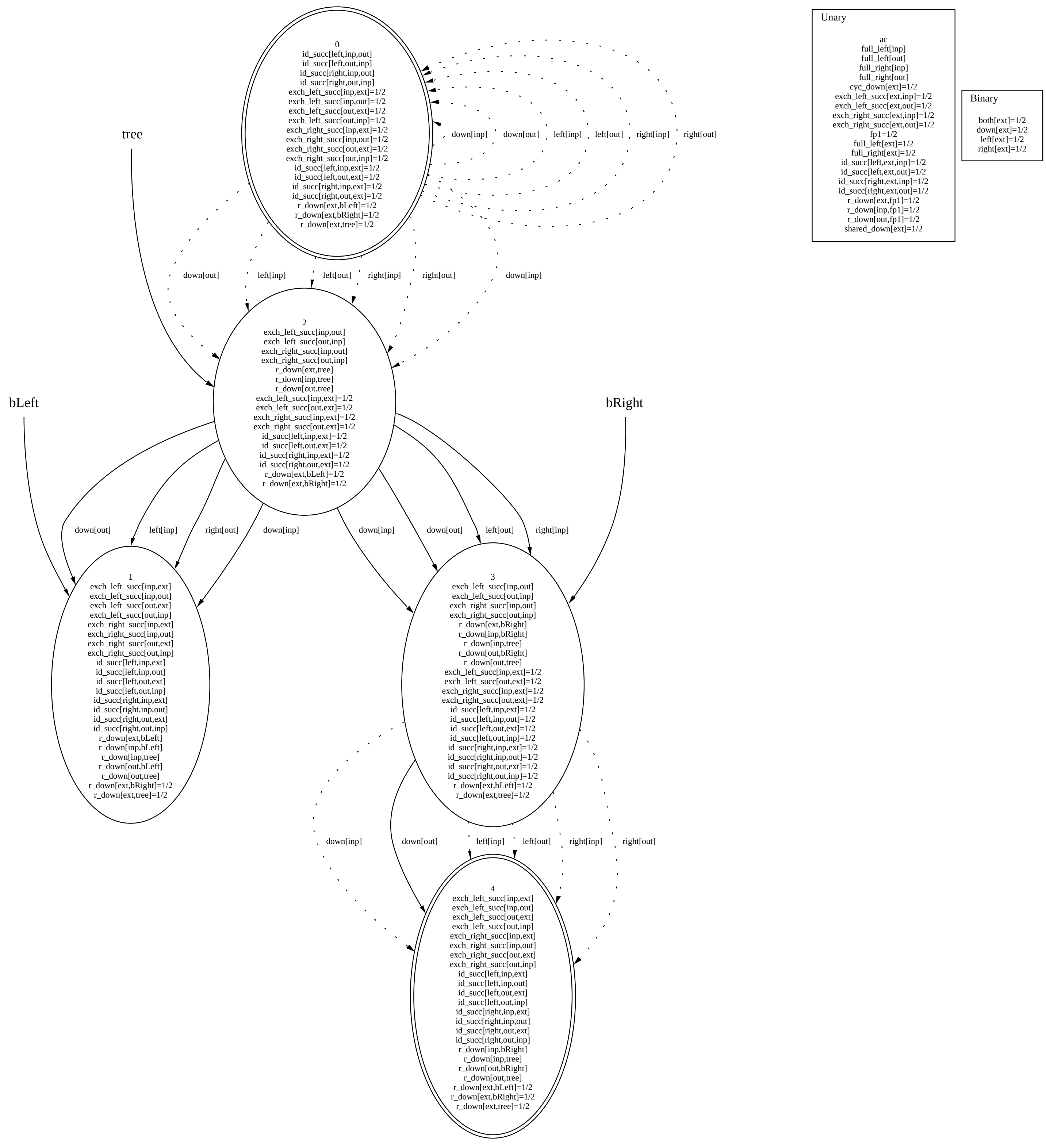

tree
1
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
0
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,out,ext]
id_succ[right,inp,ext]
id_succ[right,out,ext]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

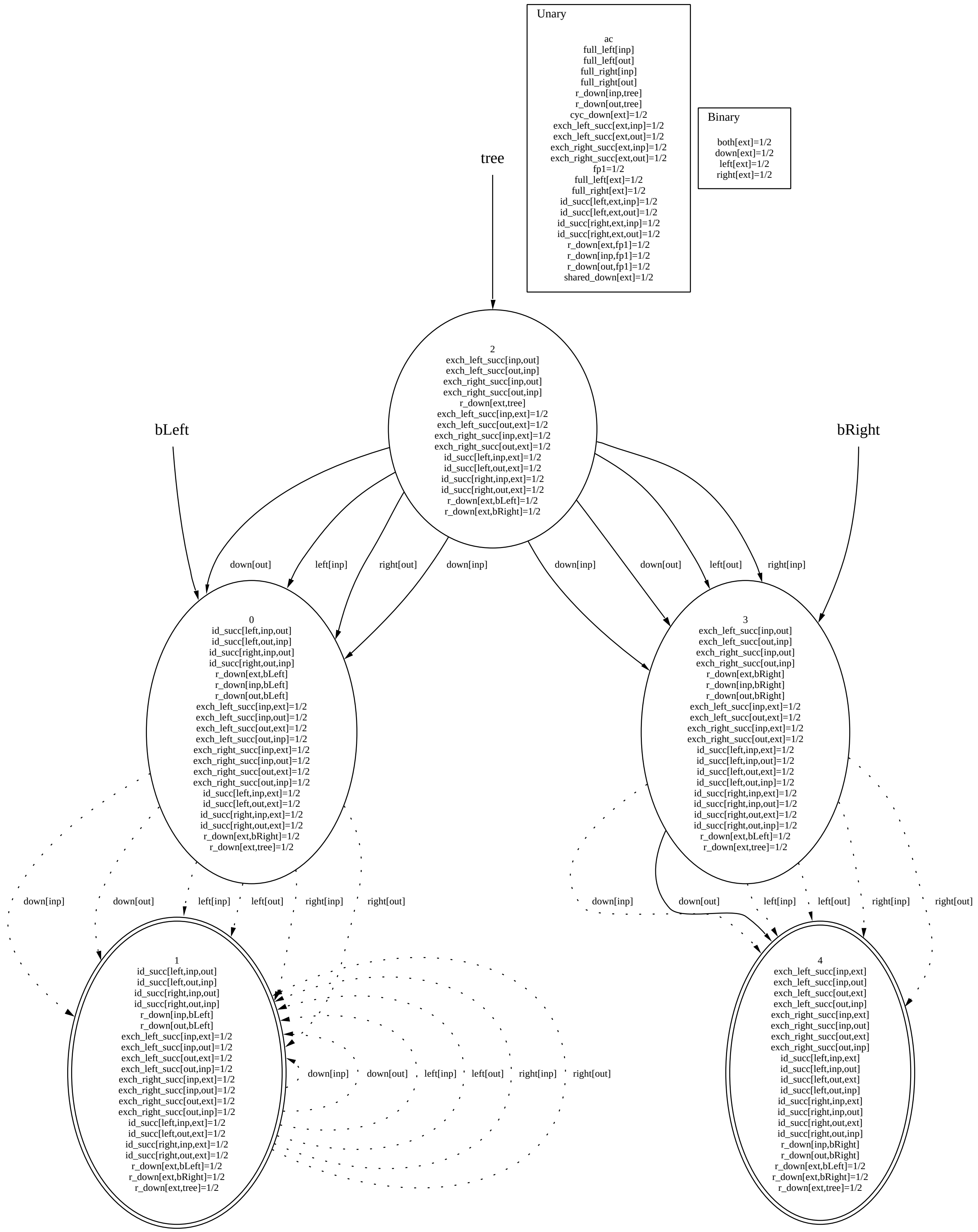

Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
1
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
3
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]


Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

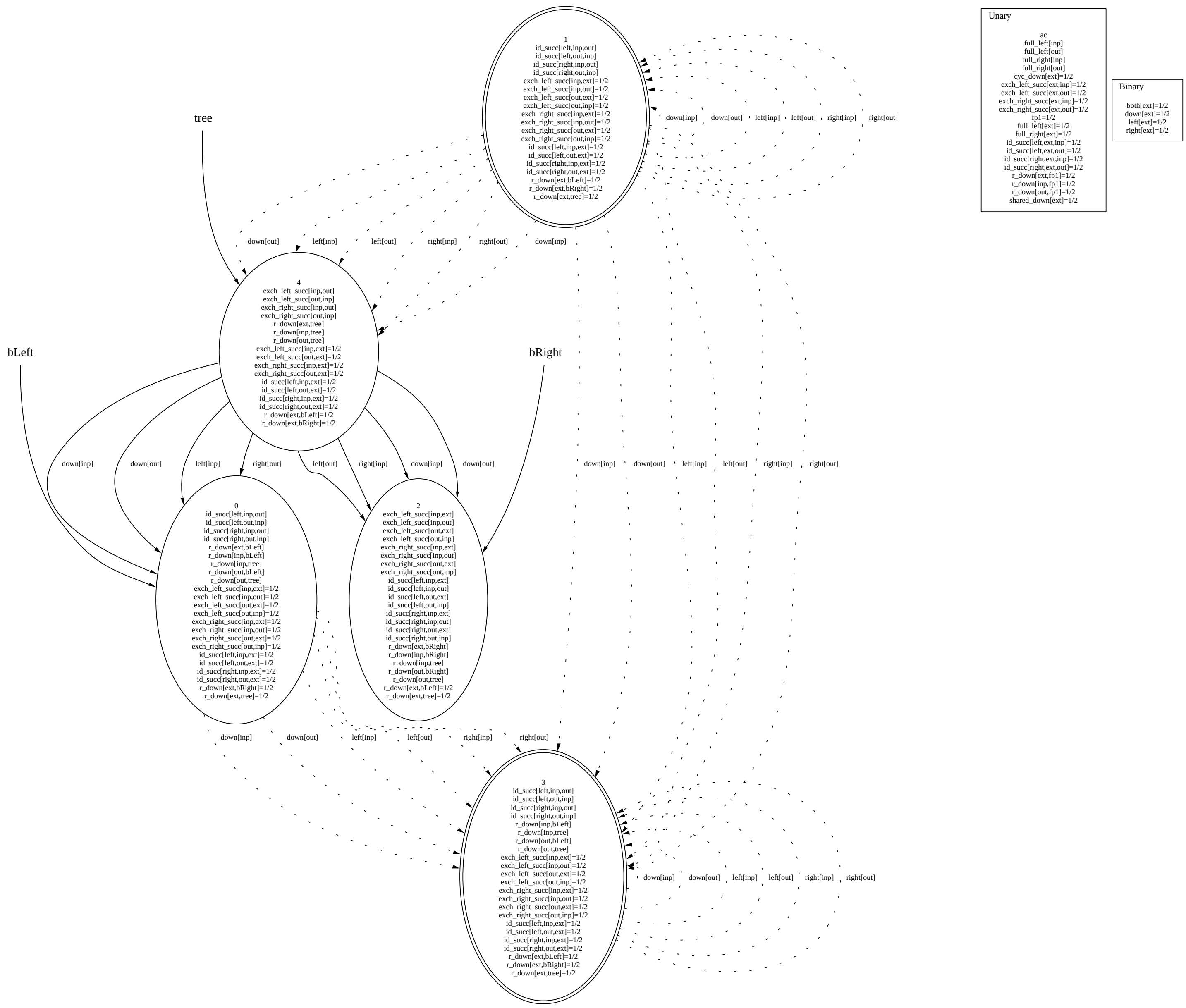

0
Unary
ac
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
tree
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
Binary
downStar[ext]
downStar[inp]
downStar[out]
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2


0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
tree
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

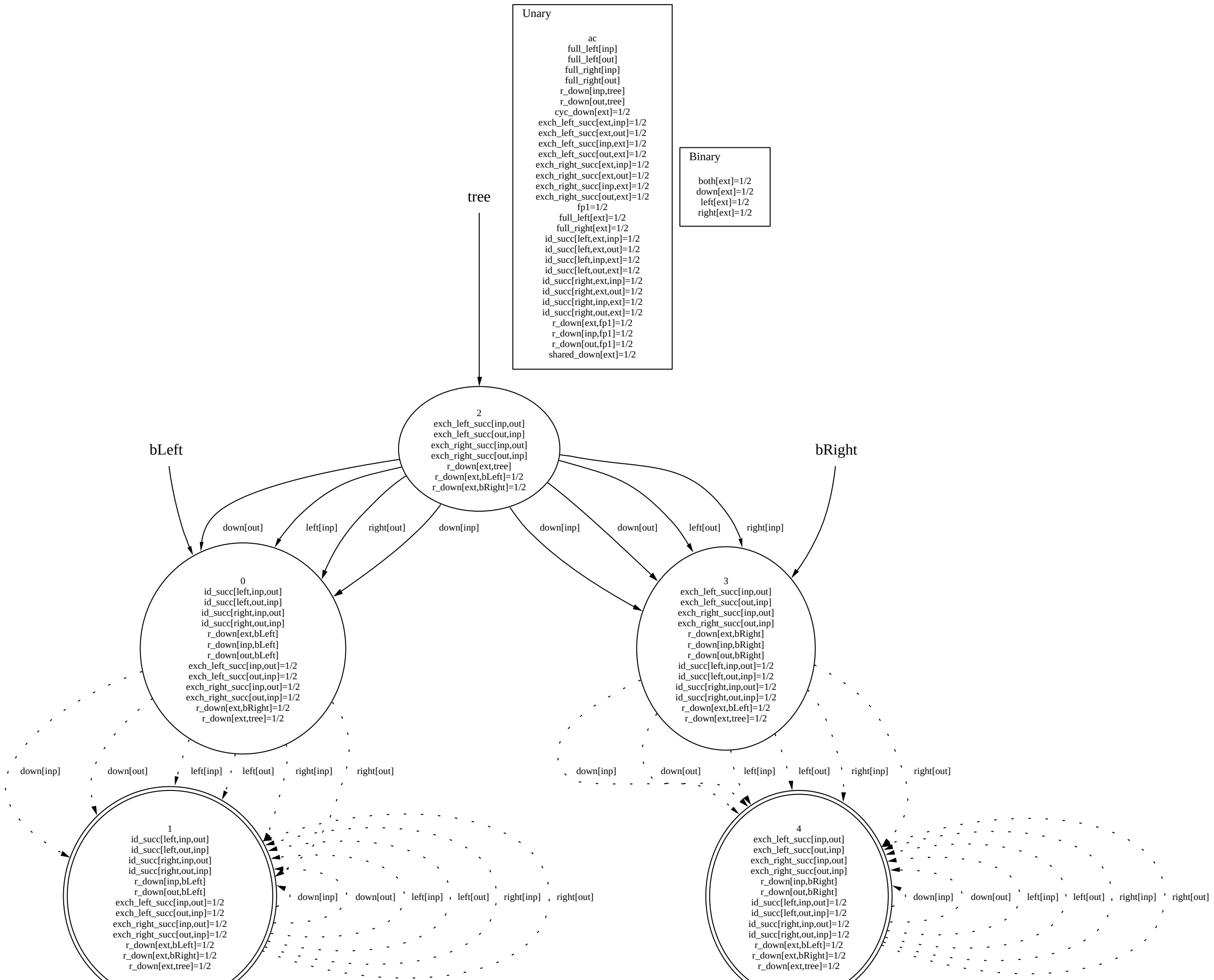

0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
2
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
4
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2



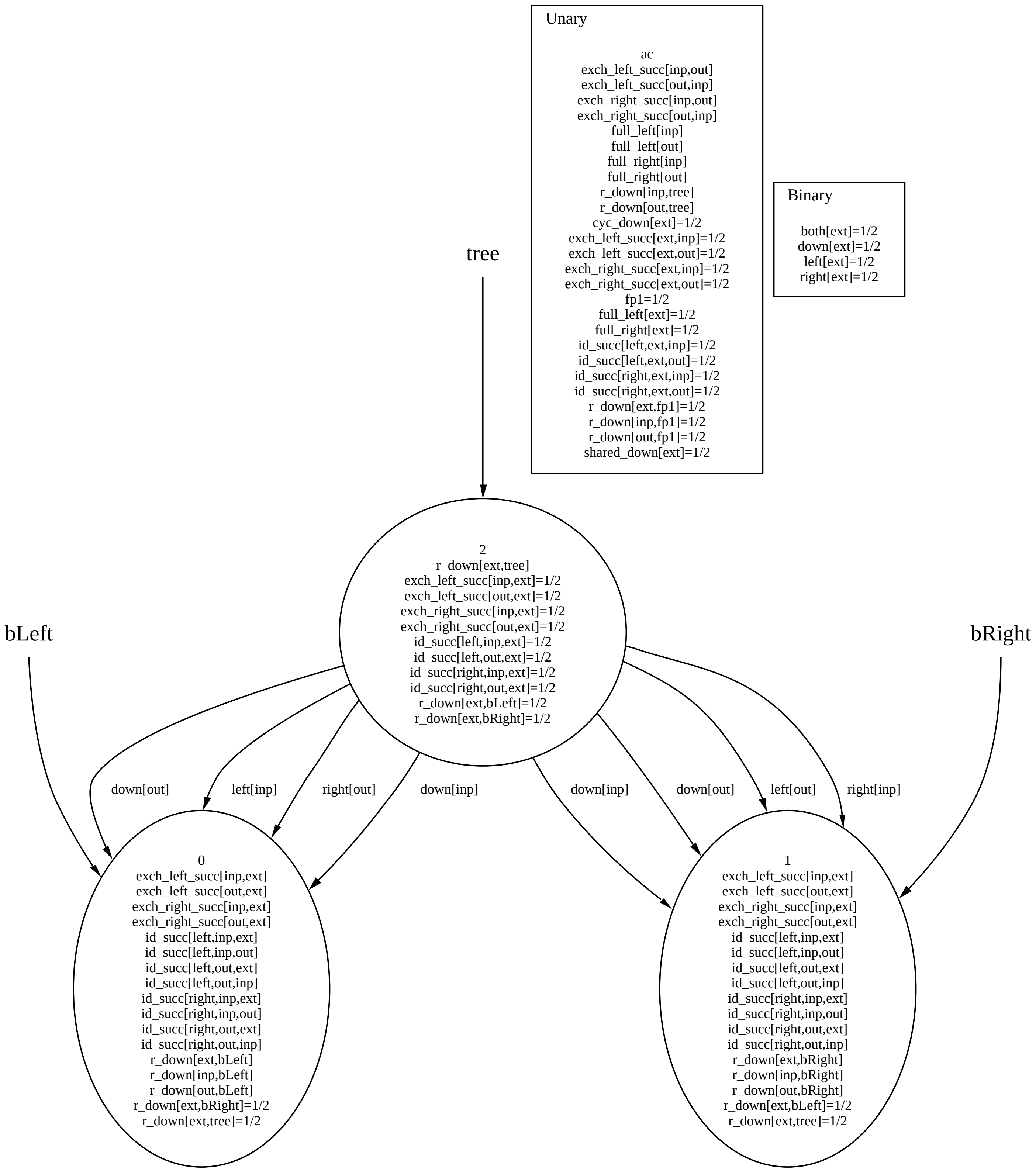
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
2
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
4
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2

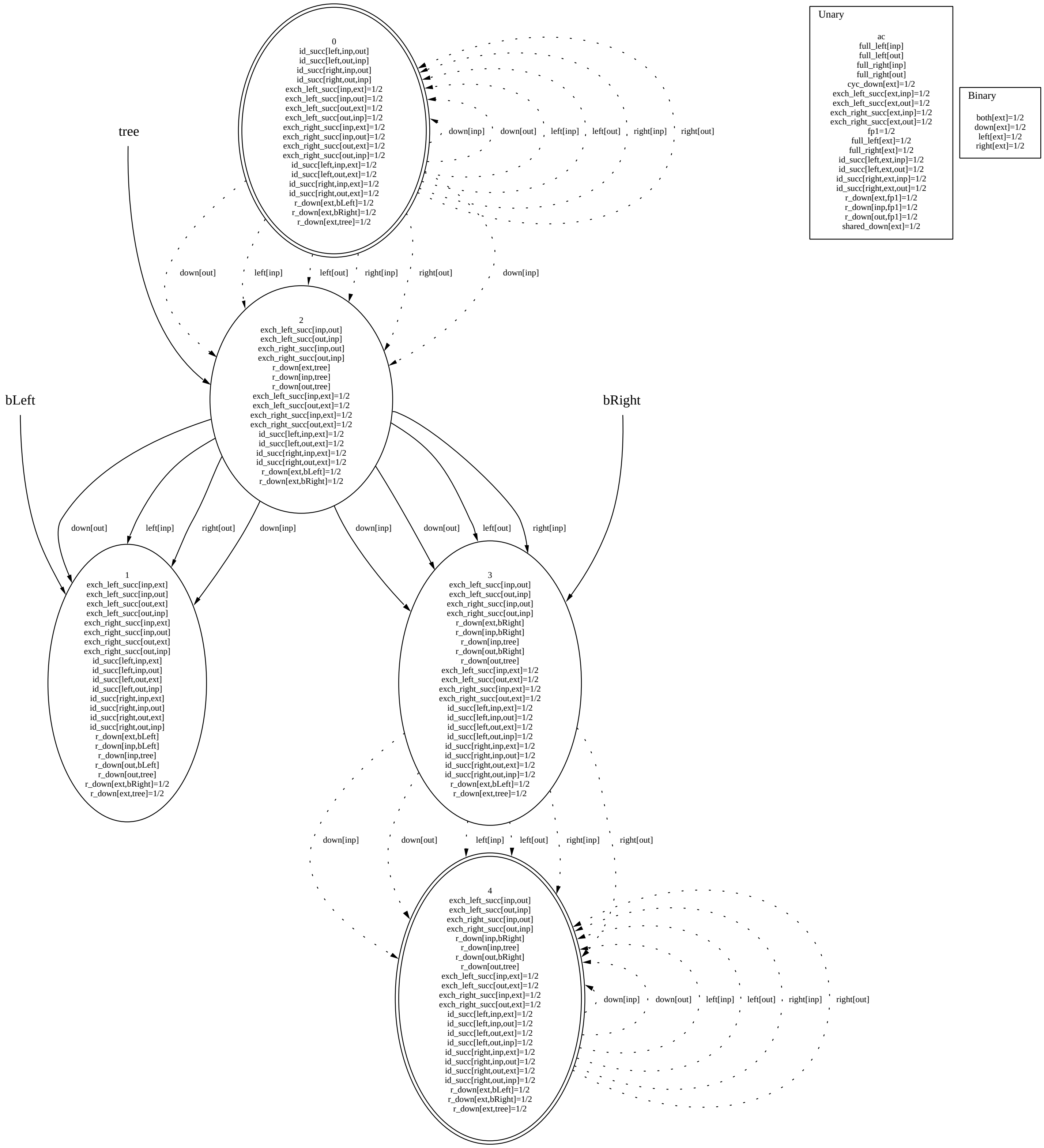


tree
bLeft
bRight
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
down[out] left[inp] left[out] right[inp] right[out] down[inp]
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[inp] down[out] left[inp] right[out] left[out] right[inp] down[inp] down[out]
down[inp] down[out] left[inp] left[out] right[inp] right[out]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
3
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

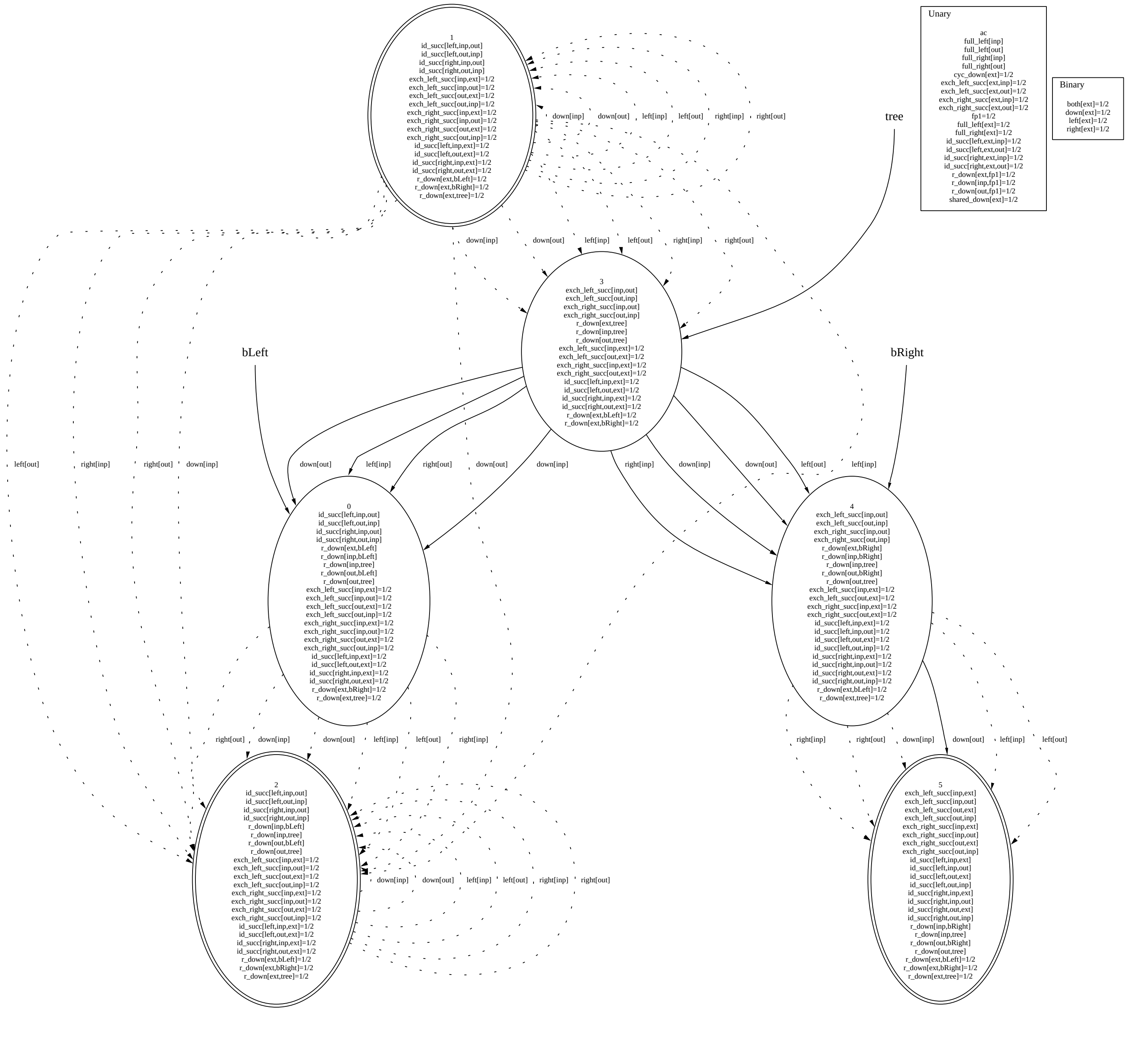


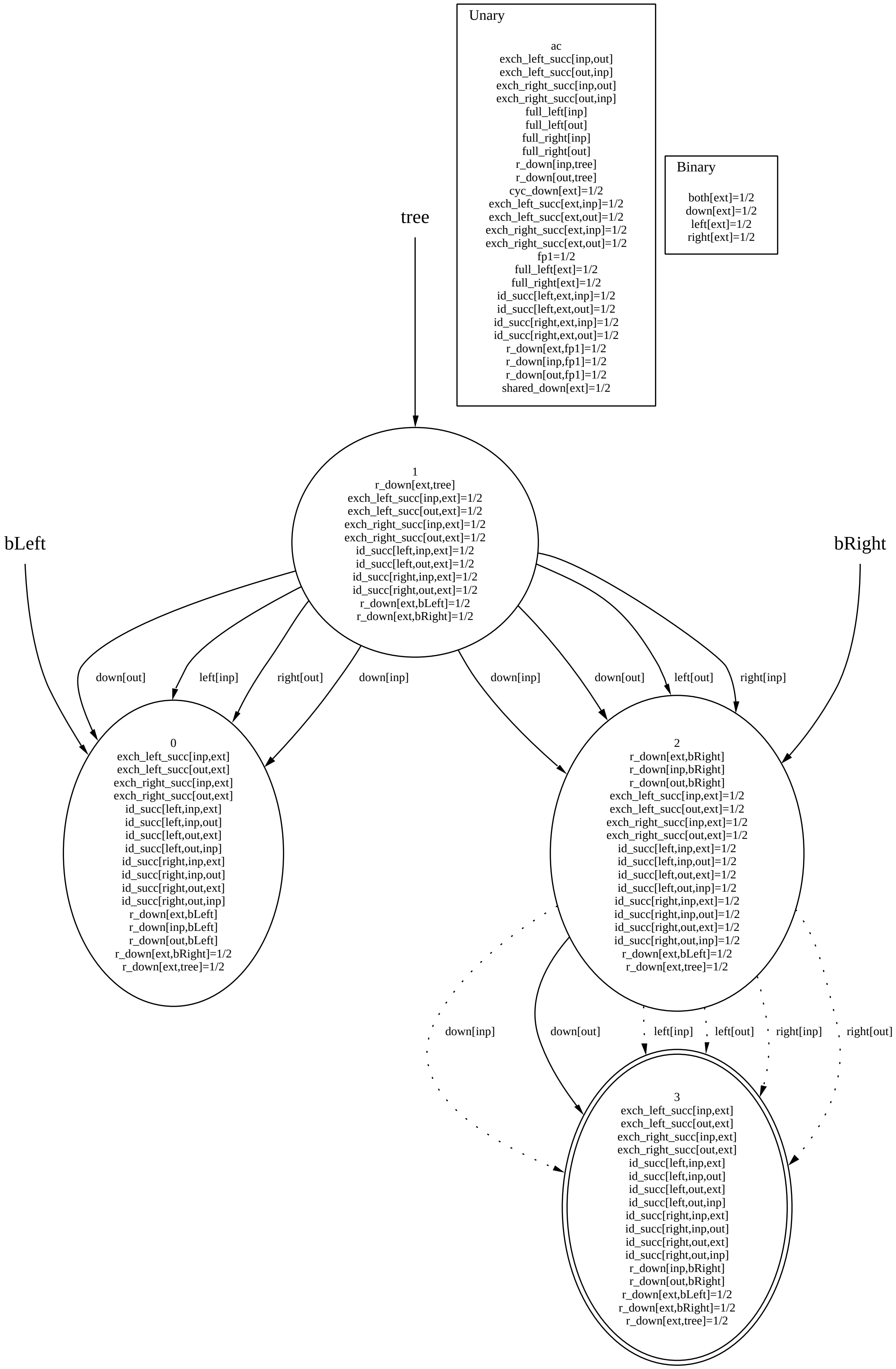
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
2
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[out,bLeft]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[inp,bRight]
r_down[out,bRight]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]


Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
2
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
1
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2

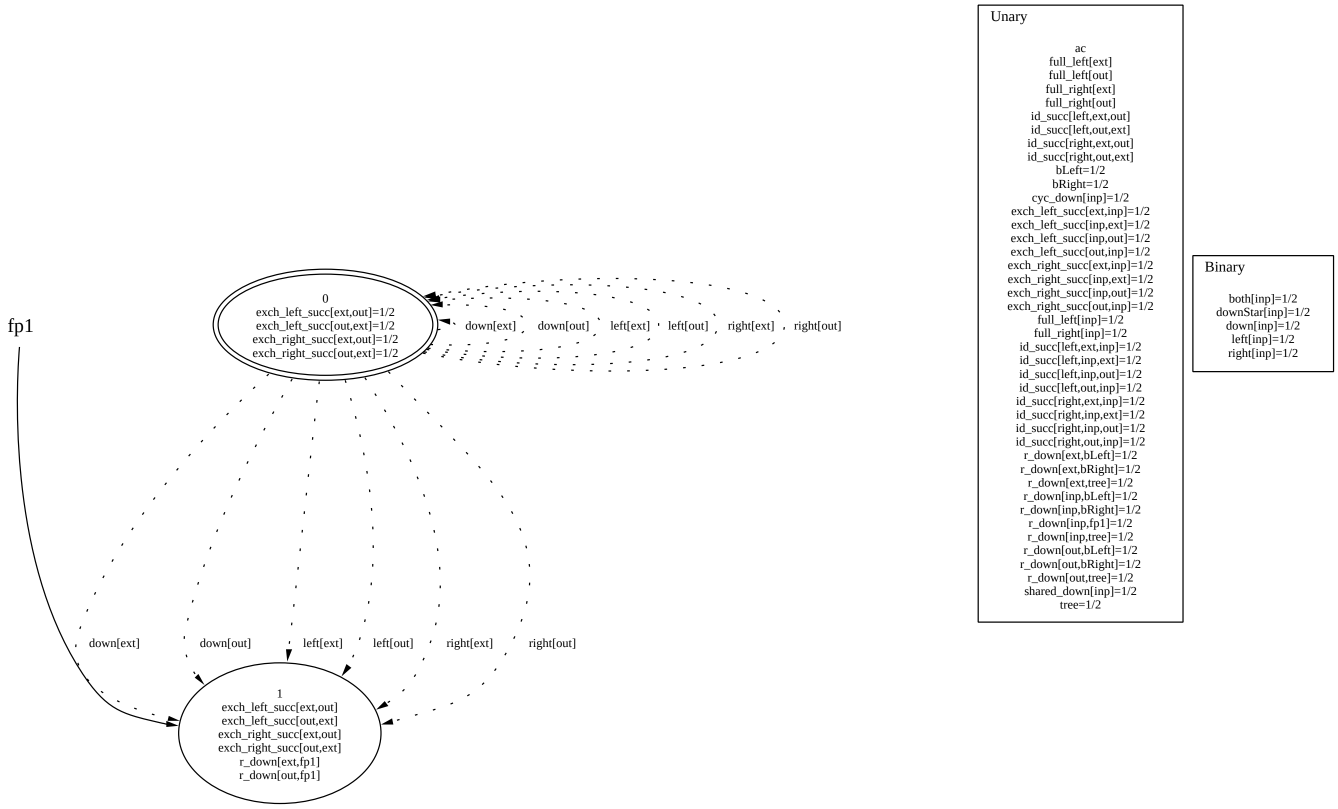


tree
bLeft
bRight
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
2
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
1
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

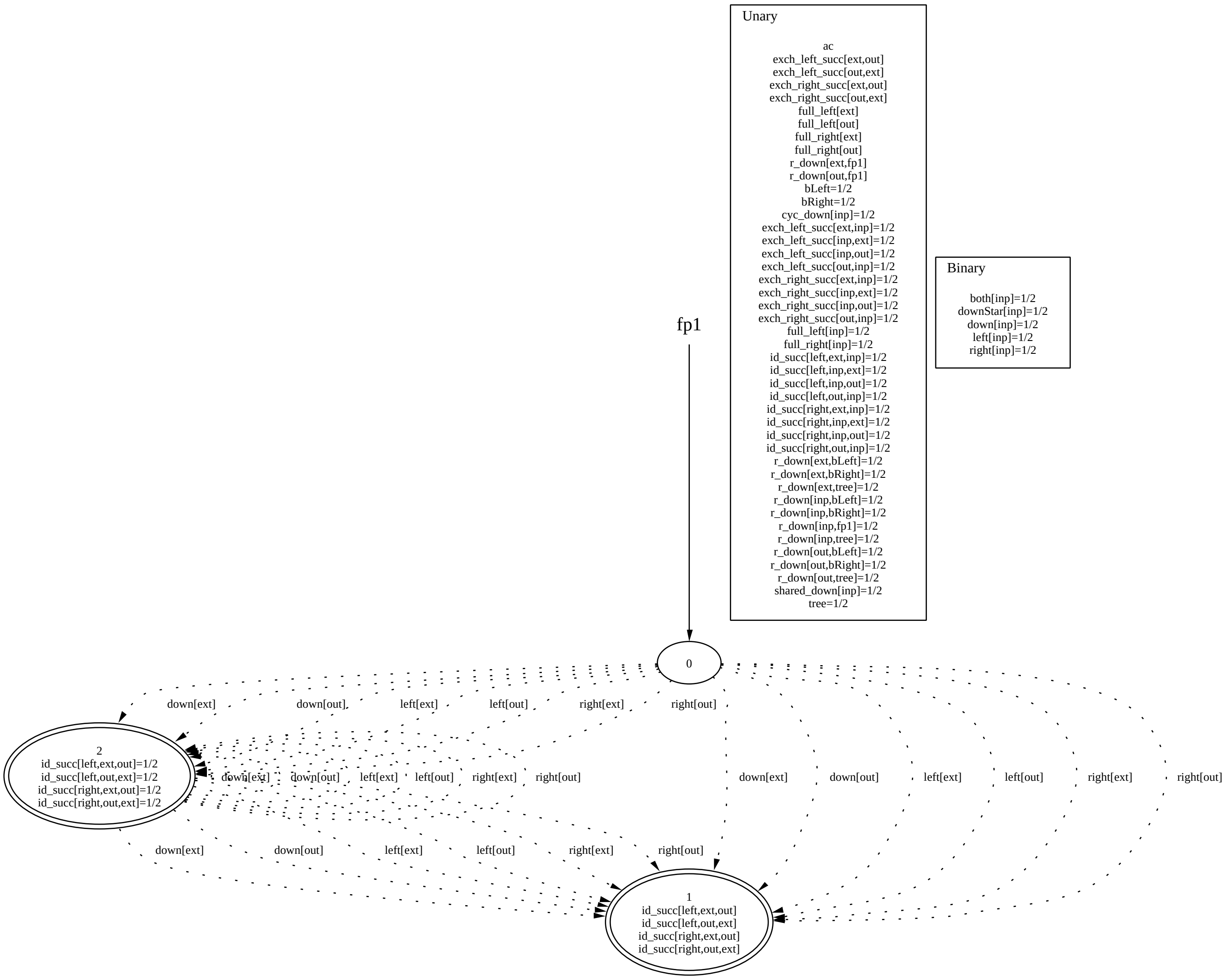

1
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
tree
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
3
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
bLeft
bRight
left[out] right[inp] right[out] down[inp] down[out] left[inp] right[out] down[out] down[inp] right[inp] down[inp] down[out] left[out] left[inp]
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
4
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,bRight]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
right[out] down[inp] down[out] left[inp] left[out] right[inp]
right[inp] right[out] down[inp] down[out] left[inp] left[out]
2
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,bLeft]
r_down[inp,tree]
r_down[out,bLeft]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
down[inp] down[out] left[inp] left[out] right[inp] right[out]
5
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[inp,tree]
r_down[out,bRight]
r_down[out,tree]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2


Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,fp1]=1/2
r_down[inp,fp1]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
bLeft
bRight
1
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
down[out]
left[inp]
right[out]
down[inp]
down[inp]
down[out]
left[out]
right[inp]
0
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,bLeft]
r_down[inp,bLeft]
r_down[out,bLeft]
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
2
r_down[ext,bRight]
r_down[inp,bRight]
r_down[out,bRight]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
3
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[inp,bRight]
r_down[out,bRight]
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2

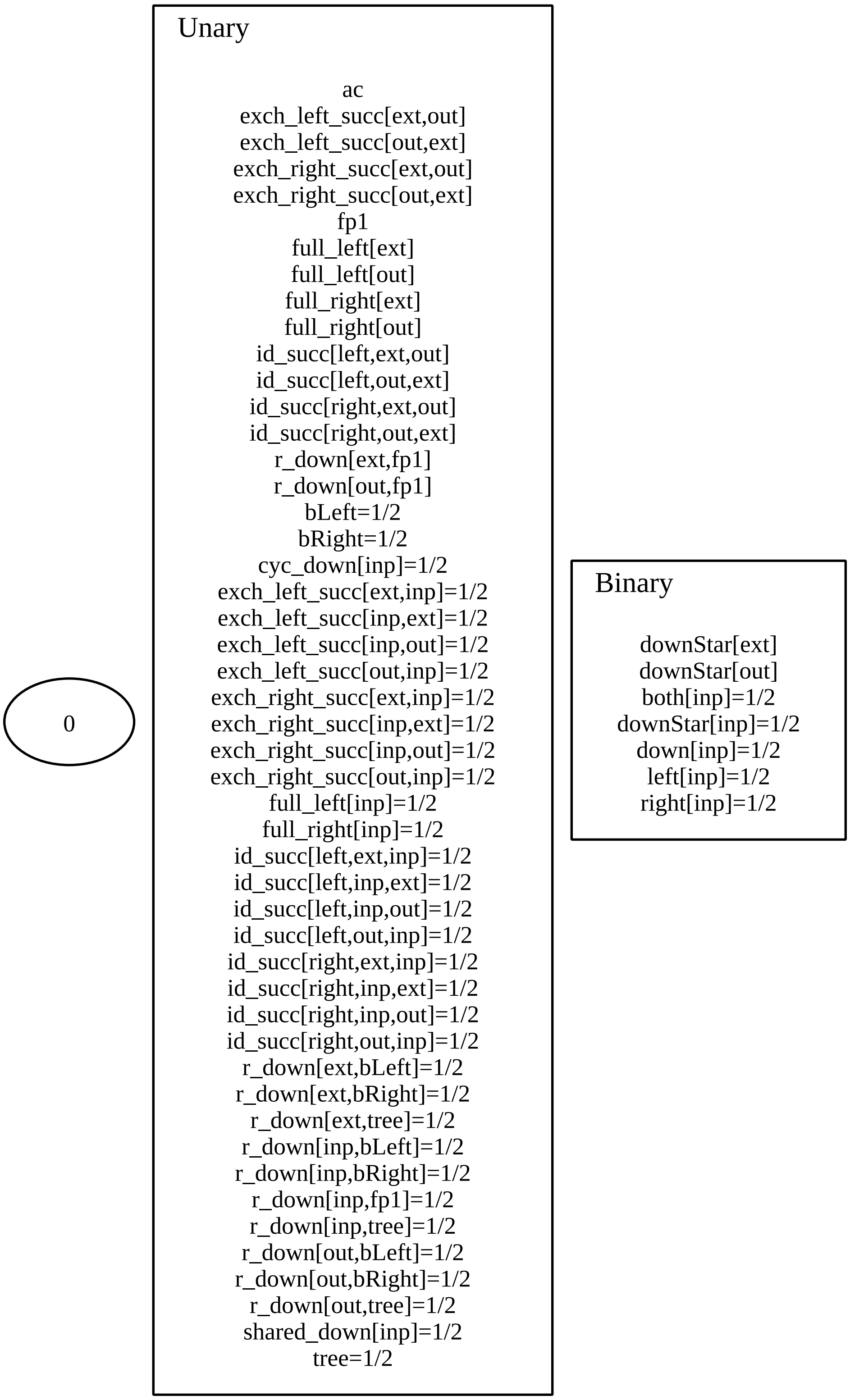
Equation Node
exchange_summary

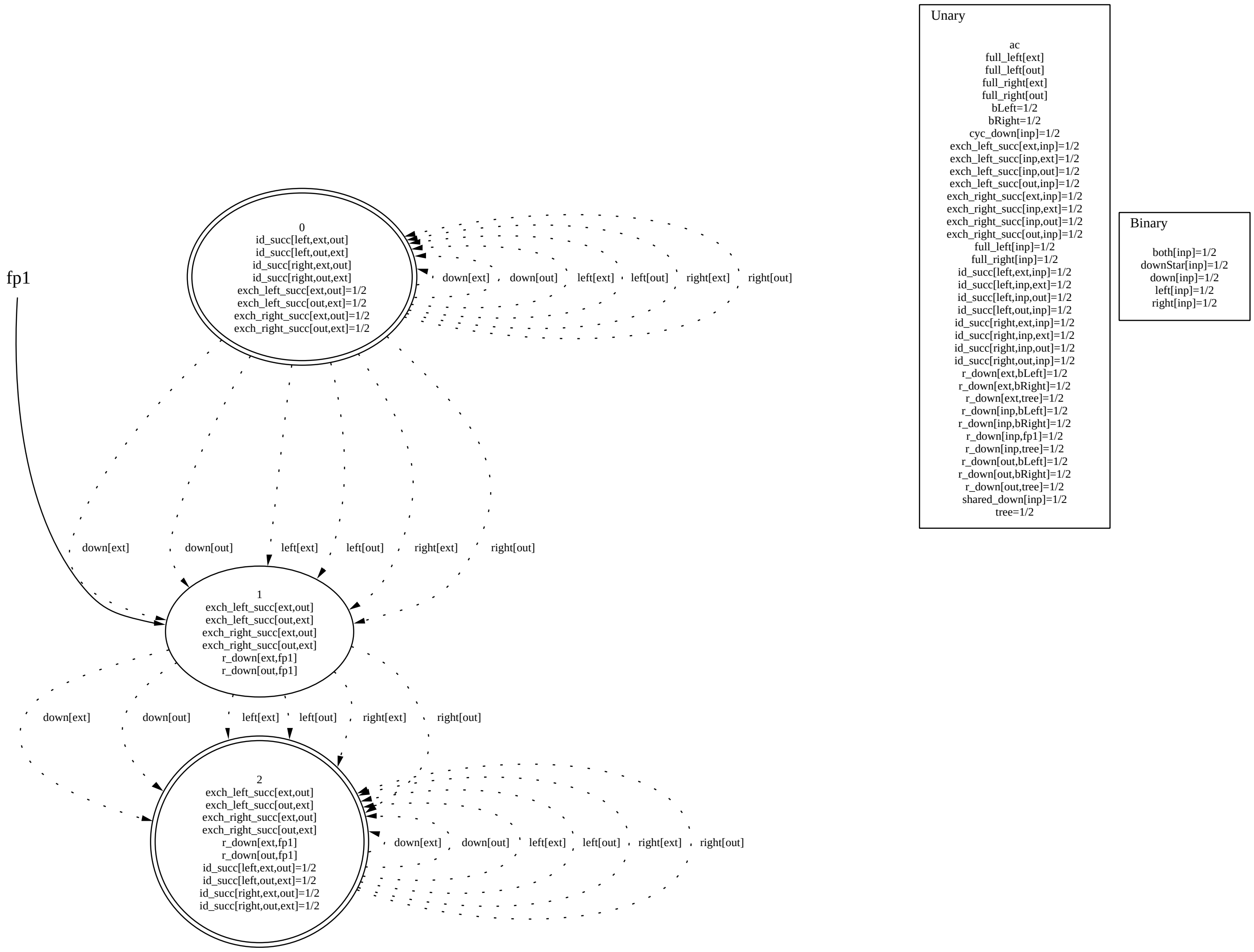


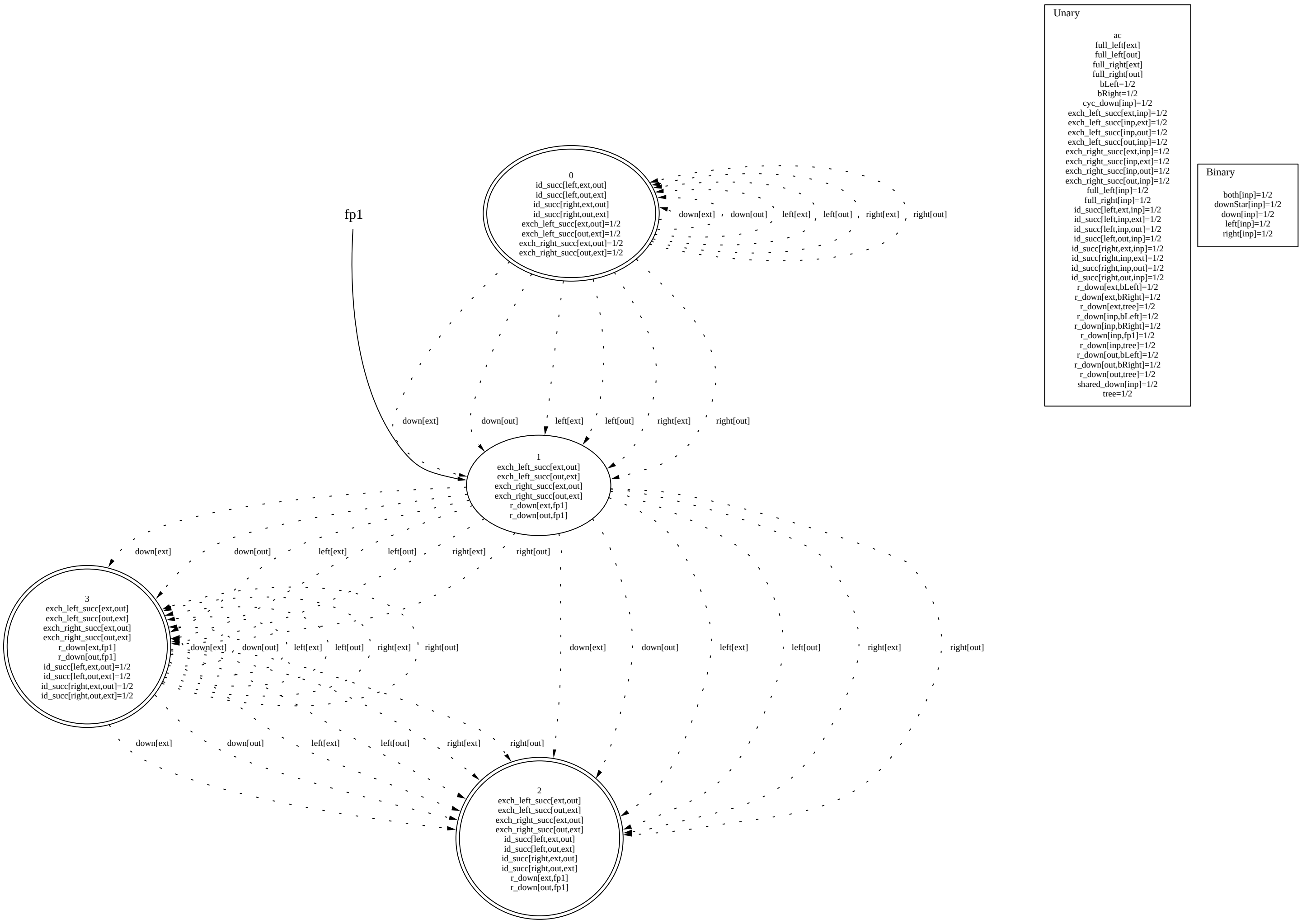
fp1
0
exch_left_succ[ext,out]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
Unary
ac
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2



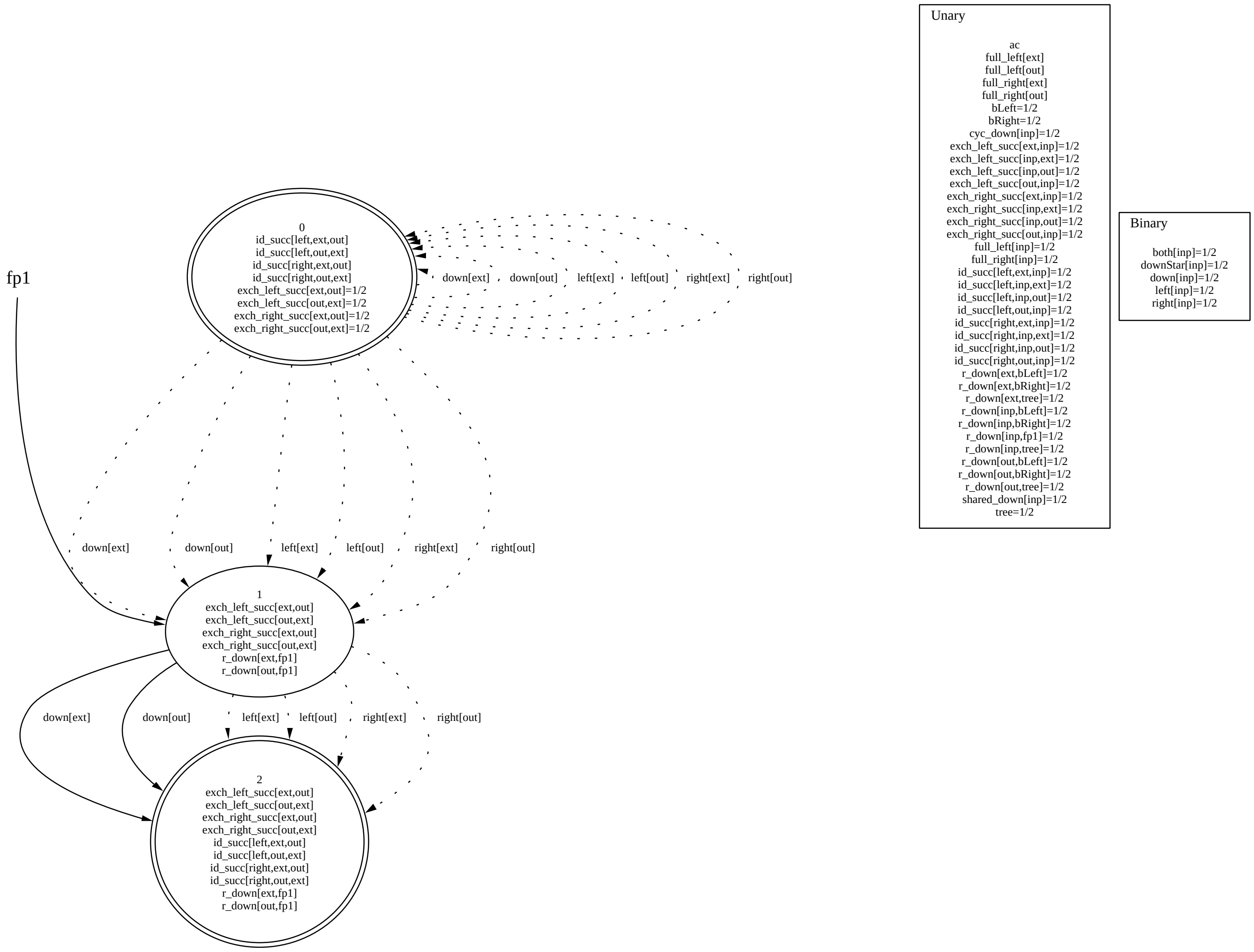
Unary
ac
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
r_down[ext,fp1]
r_down[out,fp1]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2
fp1
0
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
2
id_succ[left,ext,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]

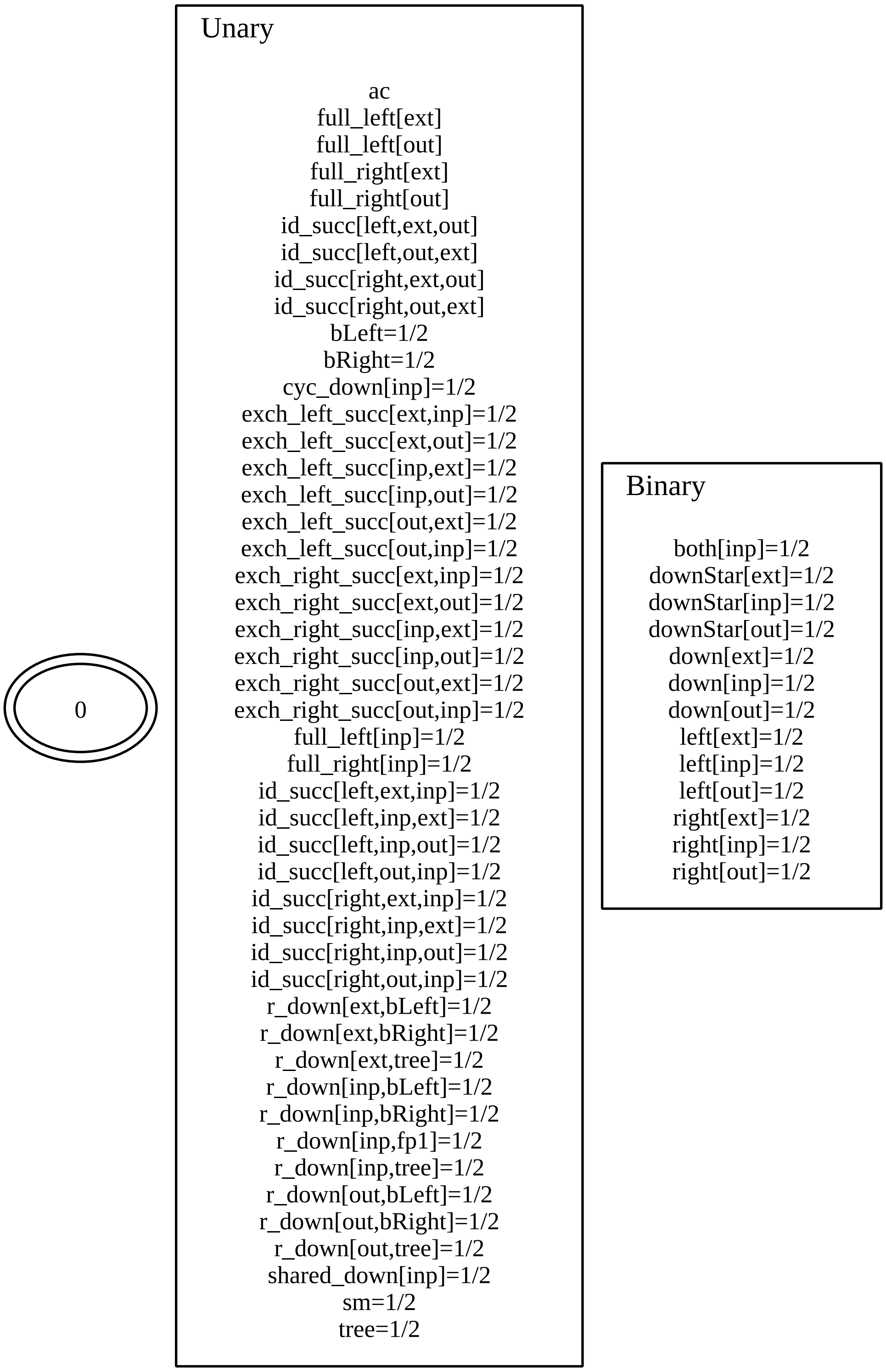

0
Unary
ac
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
fp1
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
r_down[ext,fp1]
r_down[out,fp1]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
downStar[ext]
downStar[out]
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2

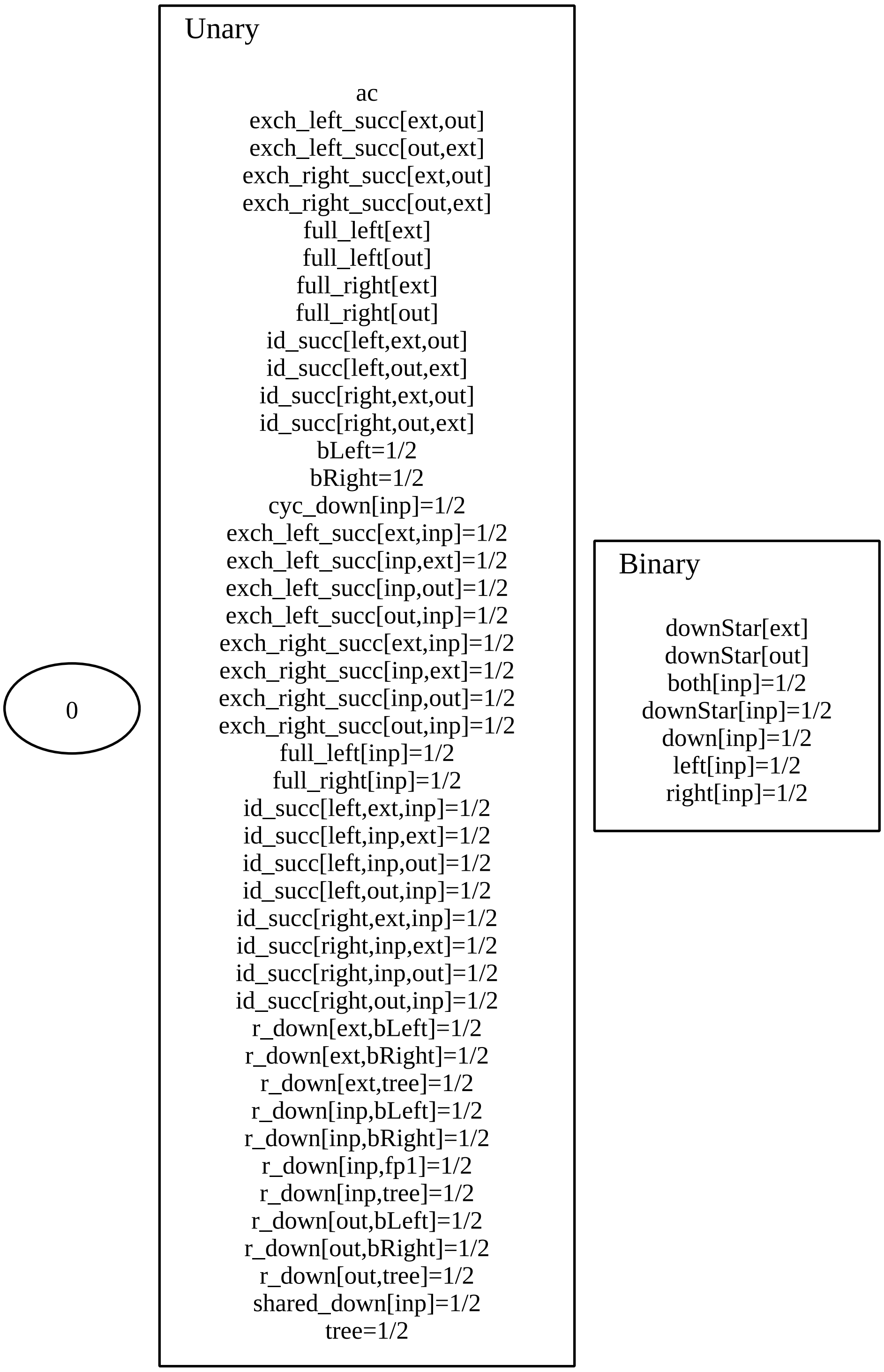

fp1
0
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
exch_left_succ[ext,out]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
2
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
id_succ[left,ext,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,out,ext]=1/2
Unary
ac
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2

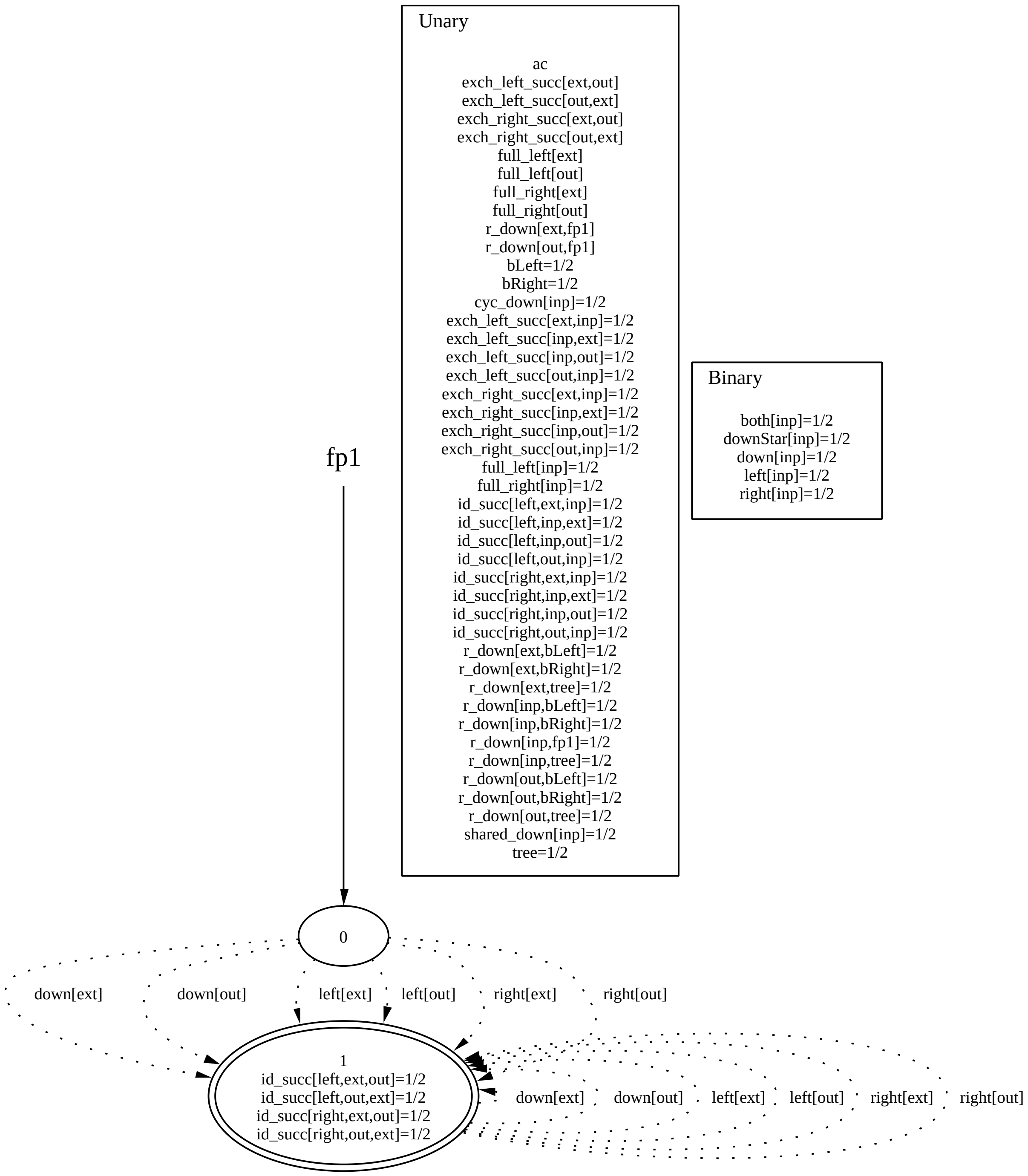


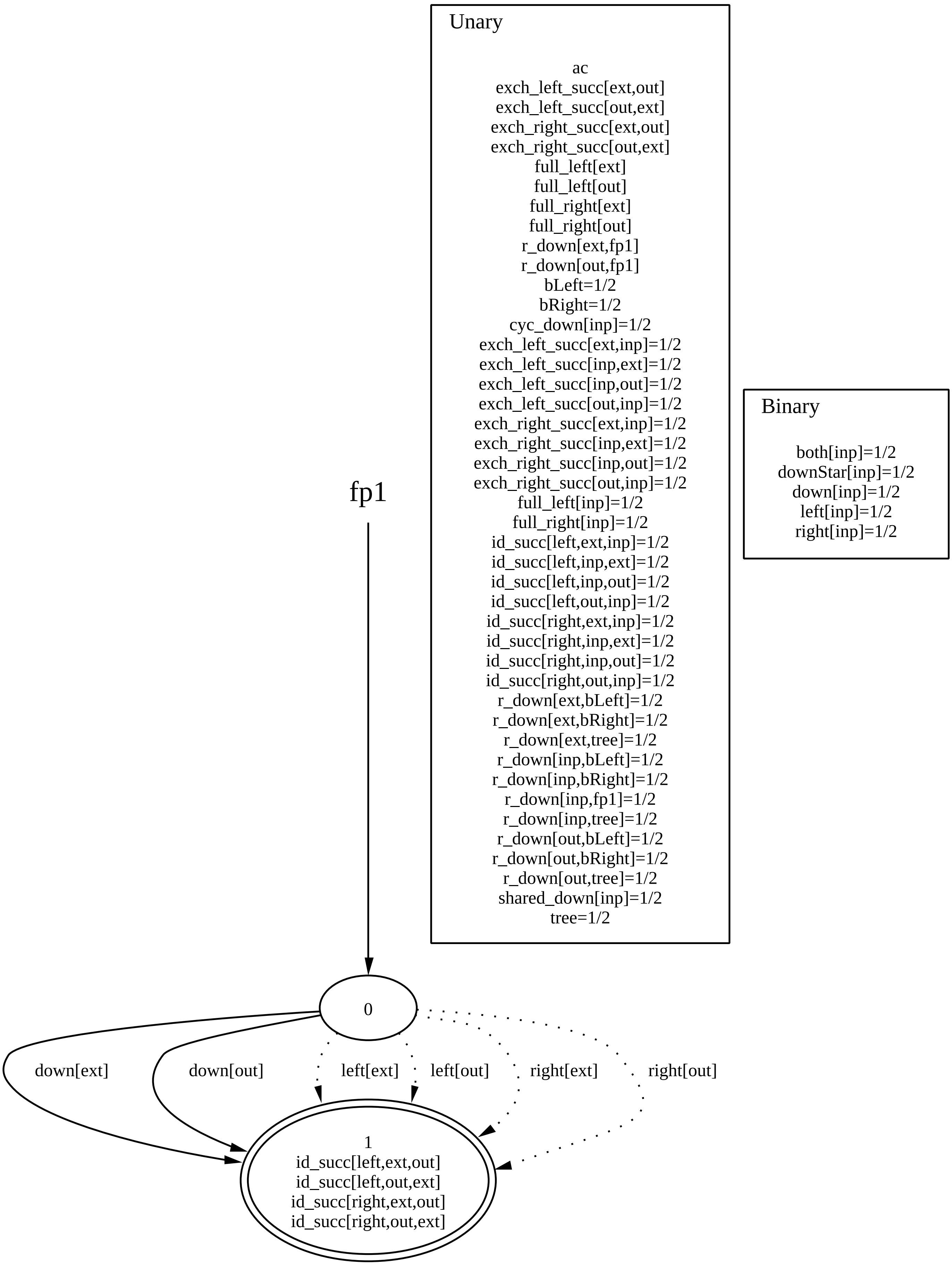
fp1
0
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
exch_left_succ[ext,out]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
3
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
id_succ[left,ext,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,out,ext]=1/2
2
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
r_down[ext,fp1]
r_down[out,fp1]
Unary
ac
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2


fp1
0
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
exch_left_succ[ext,out]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
r_down[ext,fp1]
r_down[out,fp1]
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
2
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
r_down[ext,fp1]
r_down[out,fp1]
Unary
ac
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2

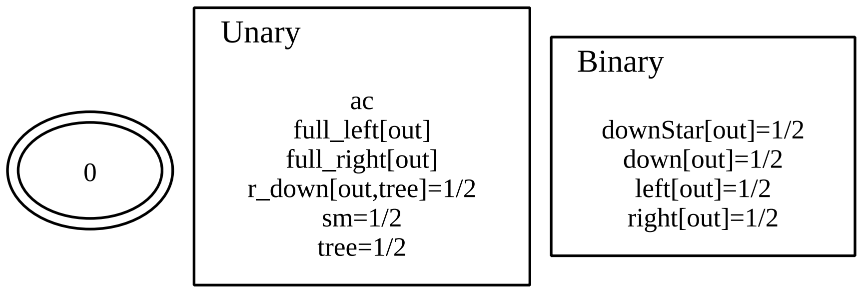

0
Unary
ac
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
sm=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[ext]=1/2
downStar[inp]=1/2
downStar[out]=1/2
down[ext]=1/2
down[inp]=1/2
down[out]=1/2
left[ext]=1/2
left[inp]=1/2
left[out]=1/2
right[ext]=1/2
right[inp]=1/2
right[out]=1/2


0
Unary
ac
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
downStar[ext]
downStar[out]
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2


Unary
ac
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
r_down[ext,fp1]
r_down[out,fp1]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2
fp1
0
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
id_succ[left,ext,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,out,ext]=1/2
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]

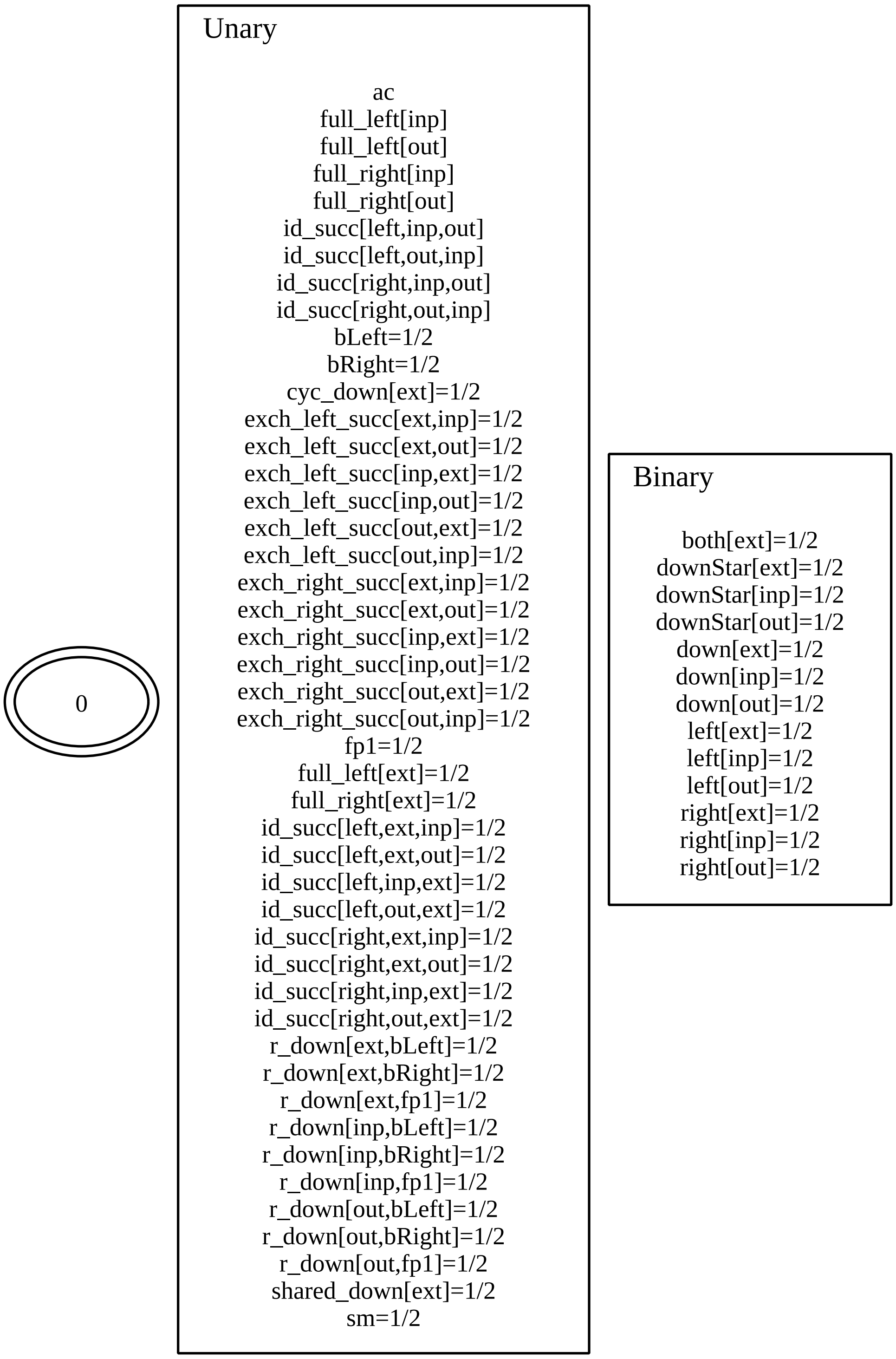

Unary
ac
exch_left_succ[ext,out]
exch_left_succ[out,ext]
exch_right_succ[ext,out]
exch_right_succ[out,ext]
full_left[ext]
full_left[out]
full_right[ext]
full_right[out]
r_down[ext,fp1]
r_down[out,fp1]
bLeft=1/2
bRight=1/2
cyc_down[inp]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
full_left[inp]=1/2
full_right[inp]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,tree]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[inp,tree]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,tree]=1/2
shared_down[inp]=1/2
tree=1/2
Binary
both[inp]=1/2
downStar[inp]=1/2
down[inp]=1/2
left[inp]=1/2
right[inp]=1/2
fp1
0
down[ext]
down[out]
left[ext]
left[out]
right[ext]
right[out]
1
id_succ[left,ext,out]
id_succ[left,out,ext]
id_succ[right,ext,out]
id_succ[right,out,ext]

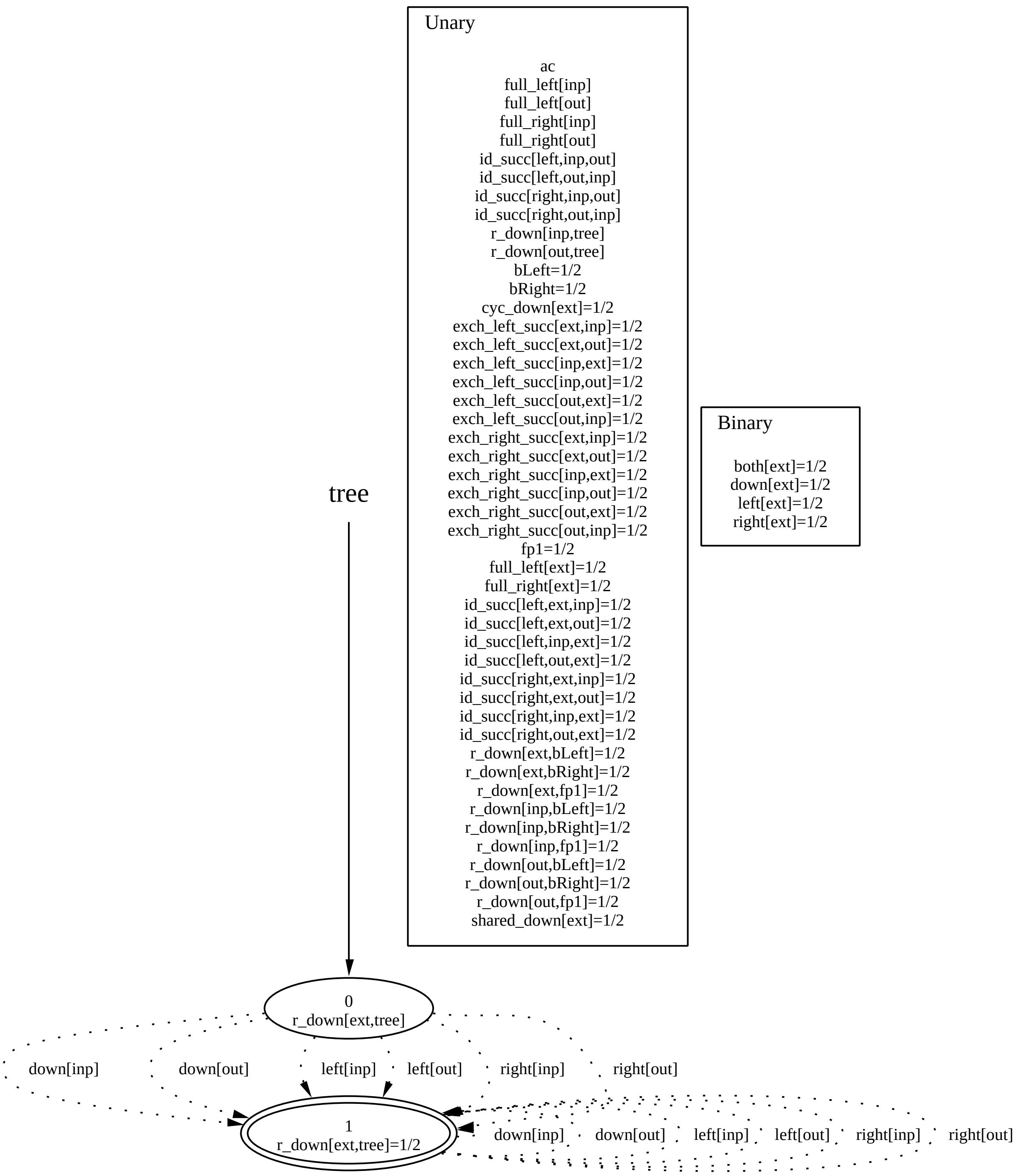
Equation Node
main_begin

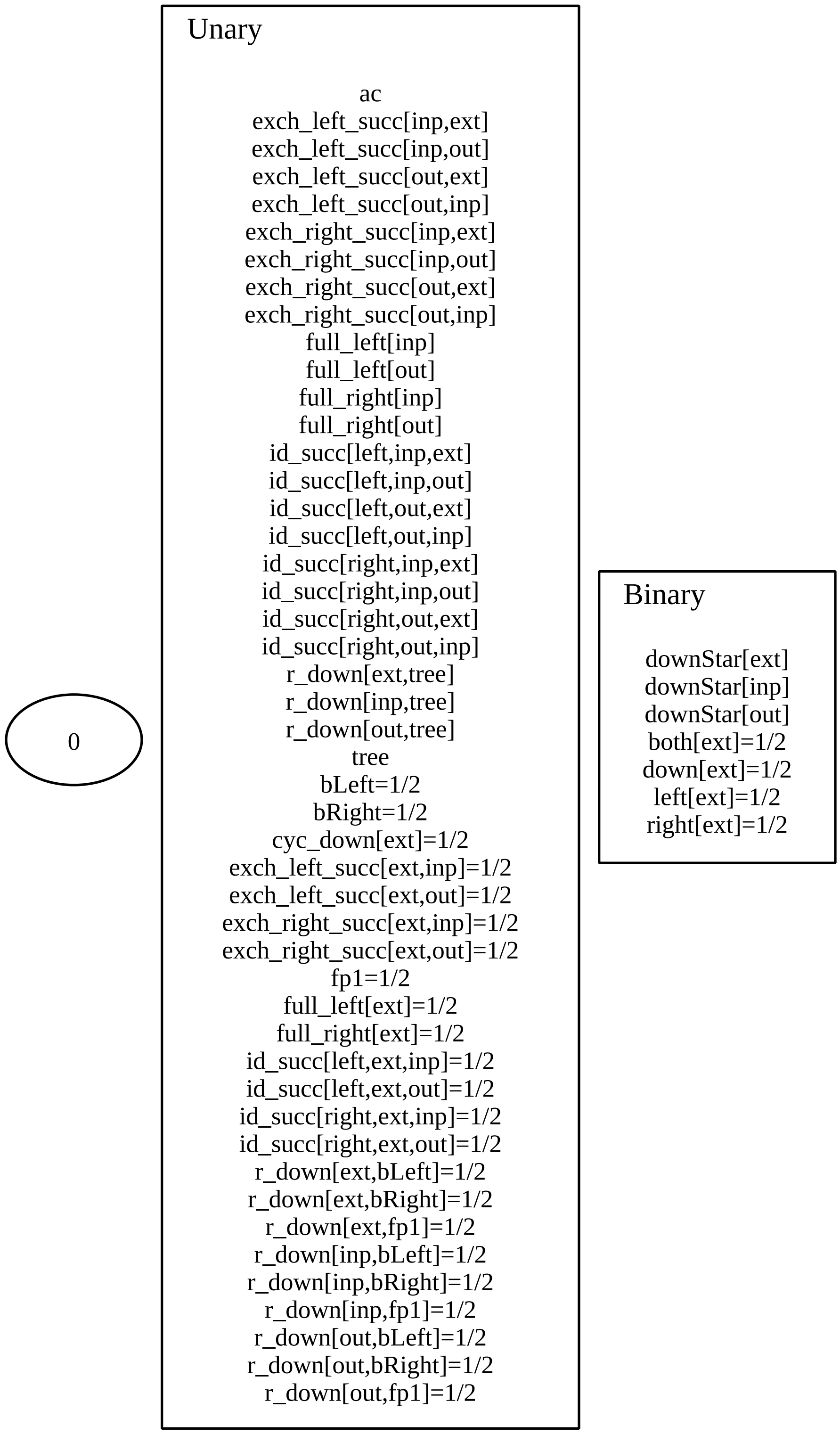

0
Unary
ac
full_left[out]
full_right[out]
r_down[out,tree]=1/2
sm=1/2
tree=1/2
Binary
downStar[out]=1/2
down[out]=1/2
left[out]=1/2
right[out]=1/2

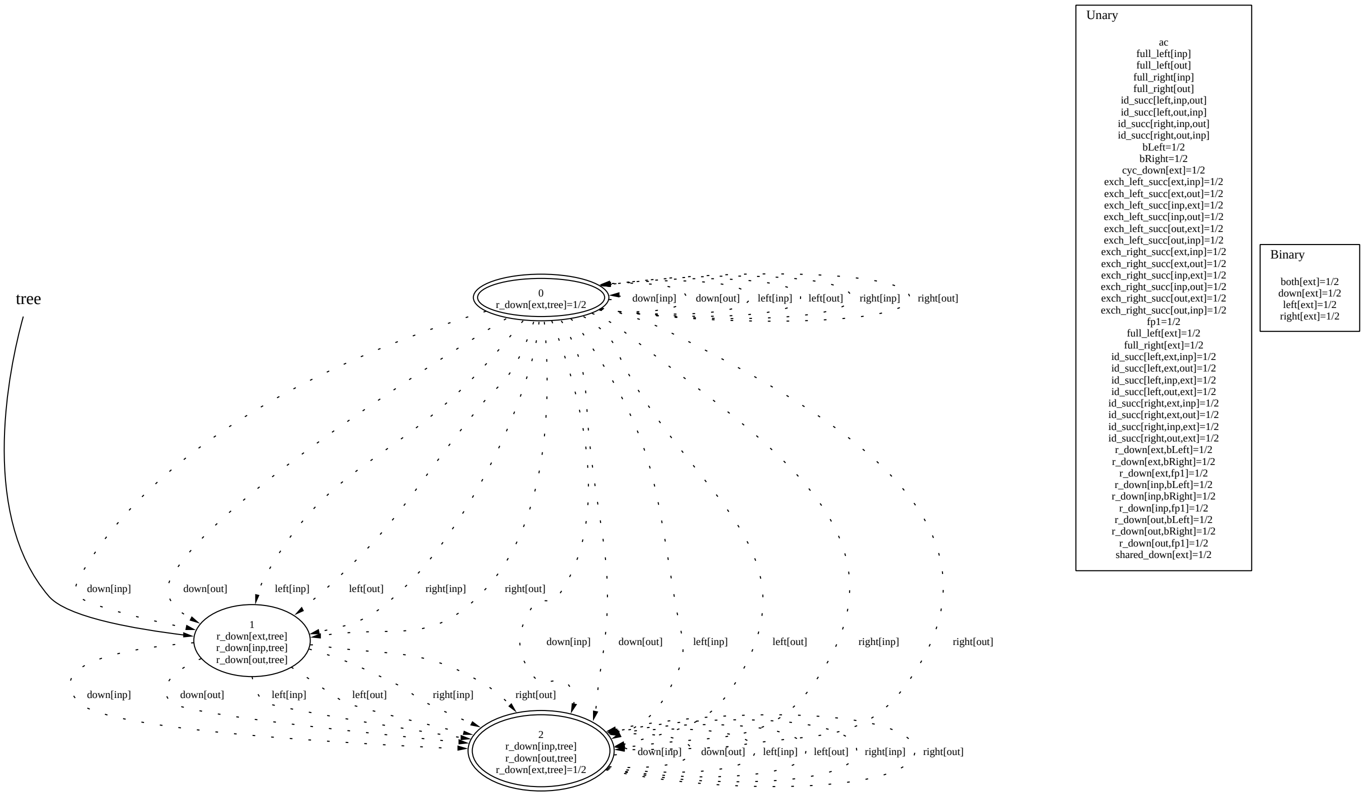
Equation Node
main_call


tree
1
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
0
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,out,ext]
id_succ[right,inp,ext]
id_succ[right,out,ext]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

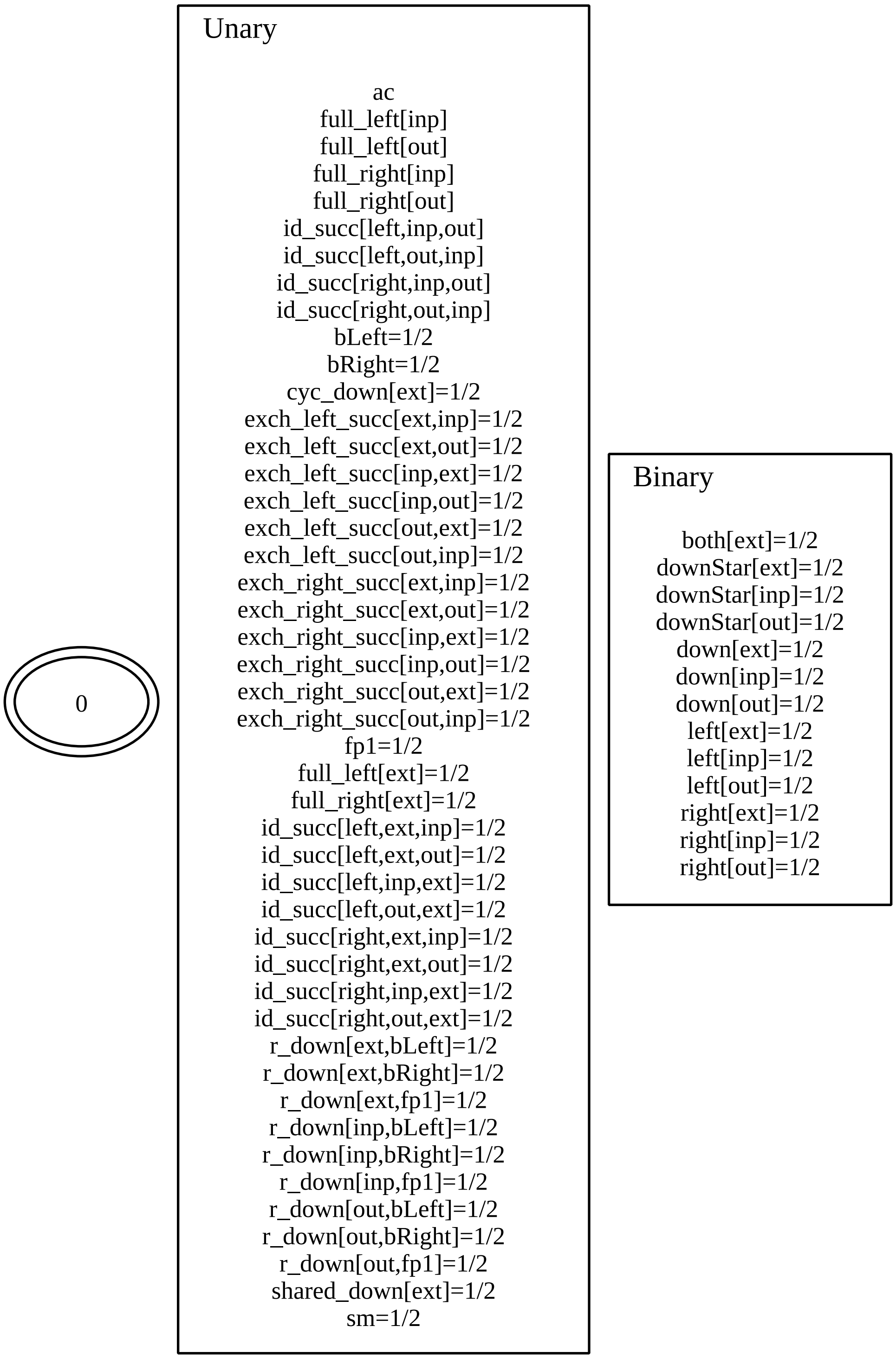

0
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
sm=1/2
Binary
both[ext]=1/2
downStar[ext]=1/2
downStar[inp]=1/2
downStar[out]=1/2
down[ext]=1/2
down[inp]=1/2
down[out]=1/2
left[ext]=1/2
left[inp]=1/2
left[out]=1/2
right[ext]=1/2
right[inp]=1/2
right[out]=1/2

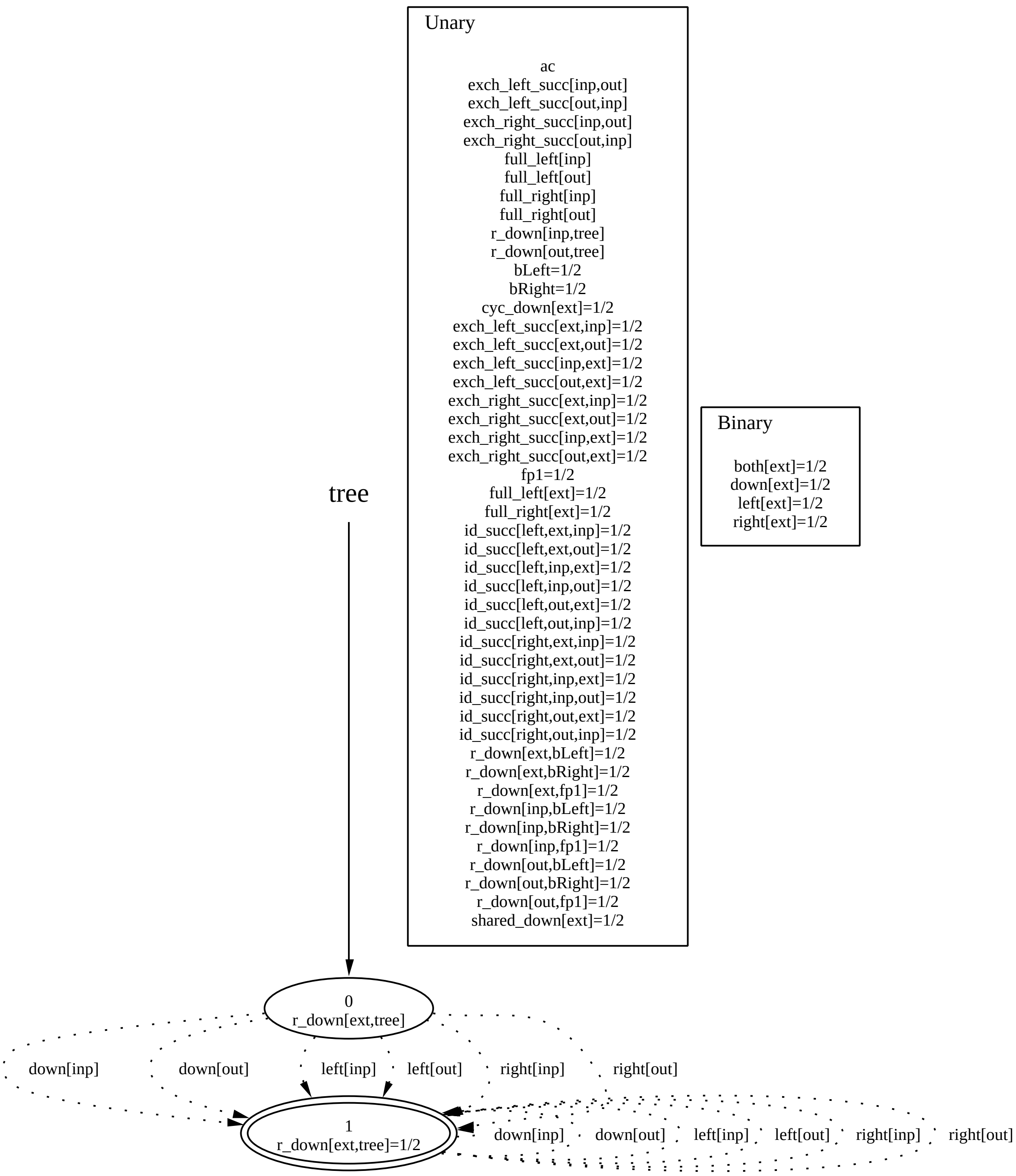

tree
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
r_down[inp,tree]
r_down[out,tree]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
0
r_down[ext,tree]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

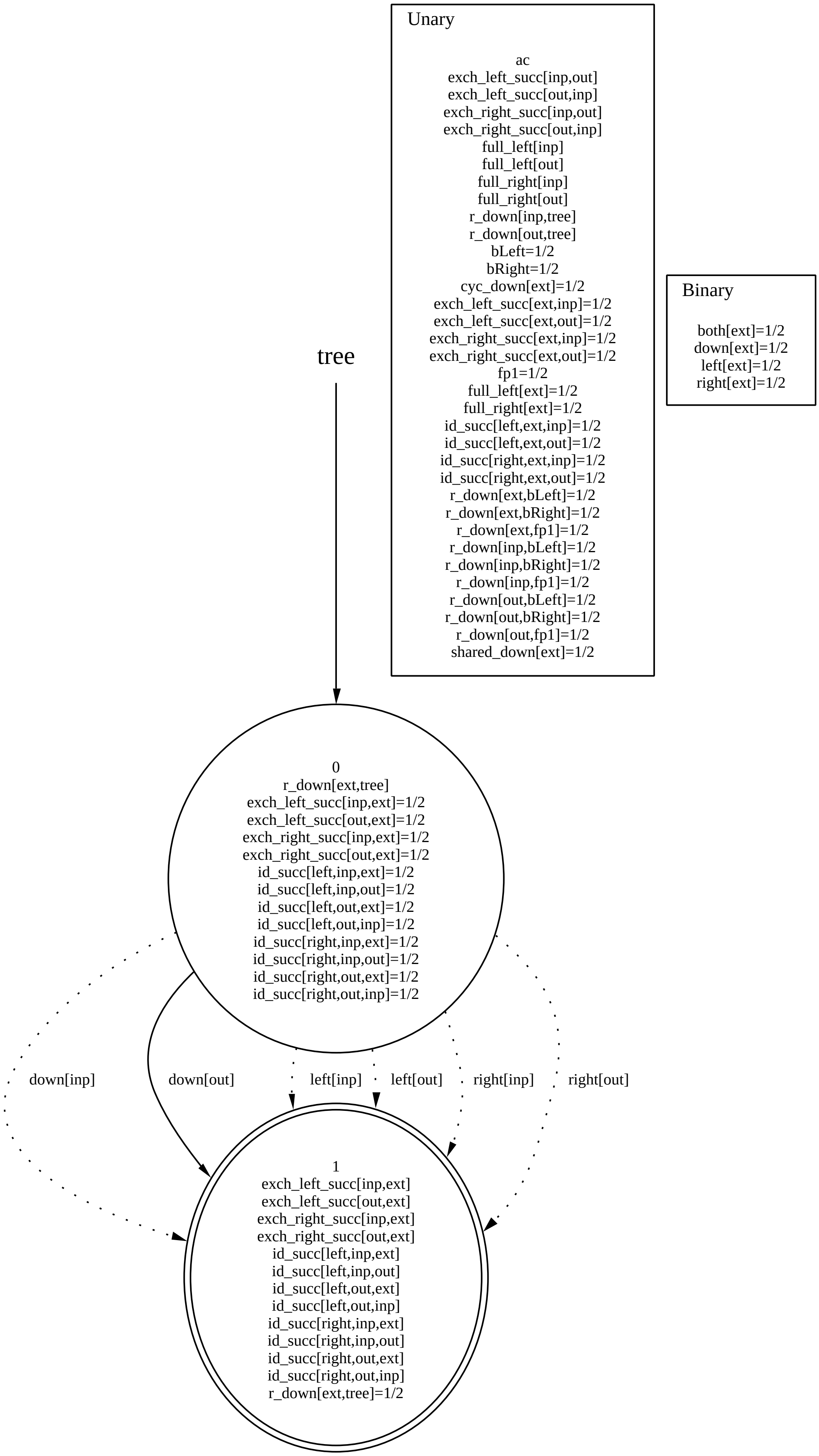

0
Unary
ac
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
tree
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
Binary
downStar[ext]
downStar[inp]
downStar[out]
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

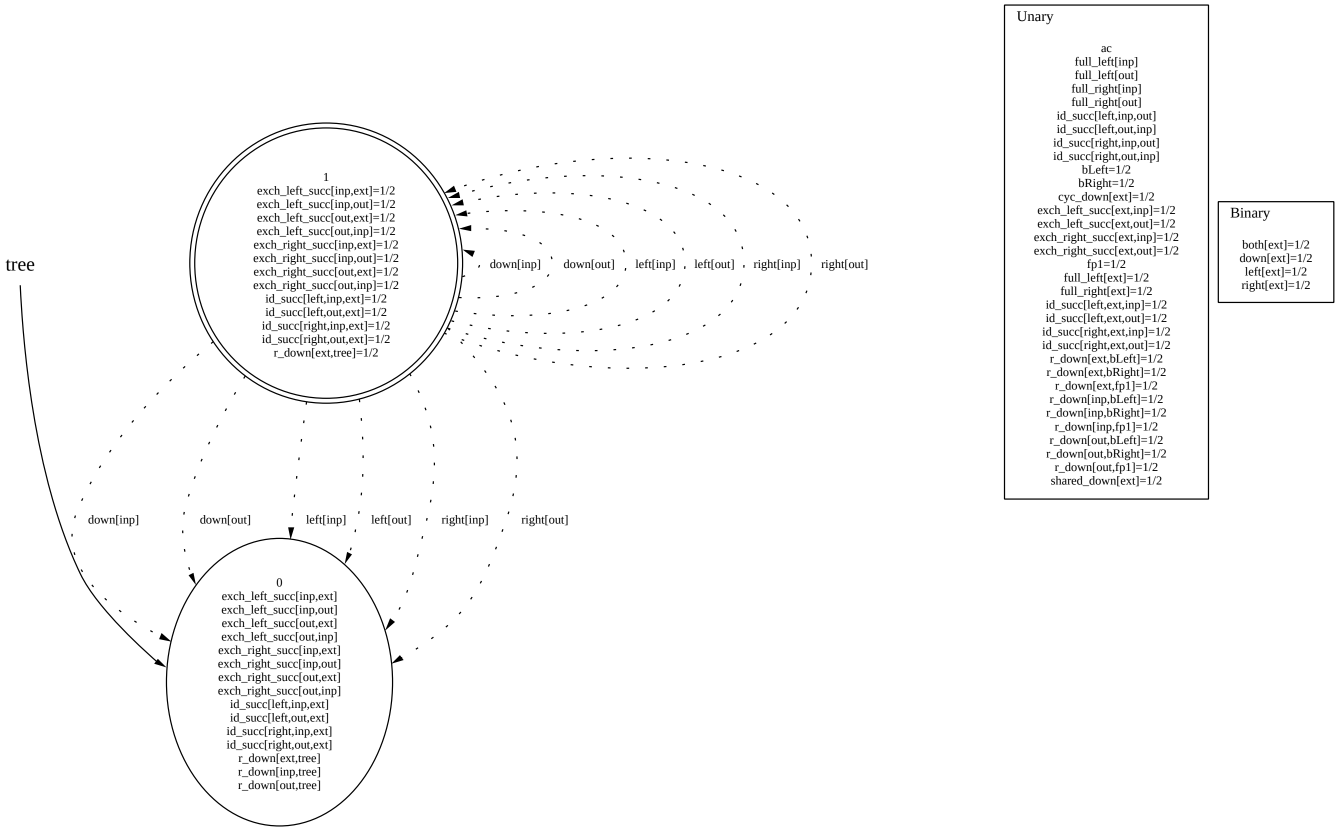

tree
0
r_down[ext,tree]=1/2
1
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
2
r_down[inp,tree]
r_down[out,tree]
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2

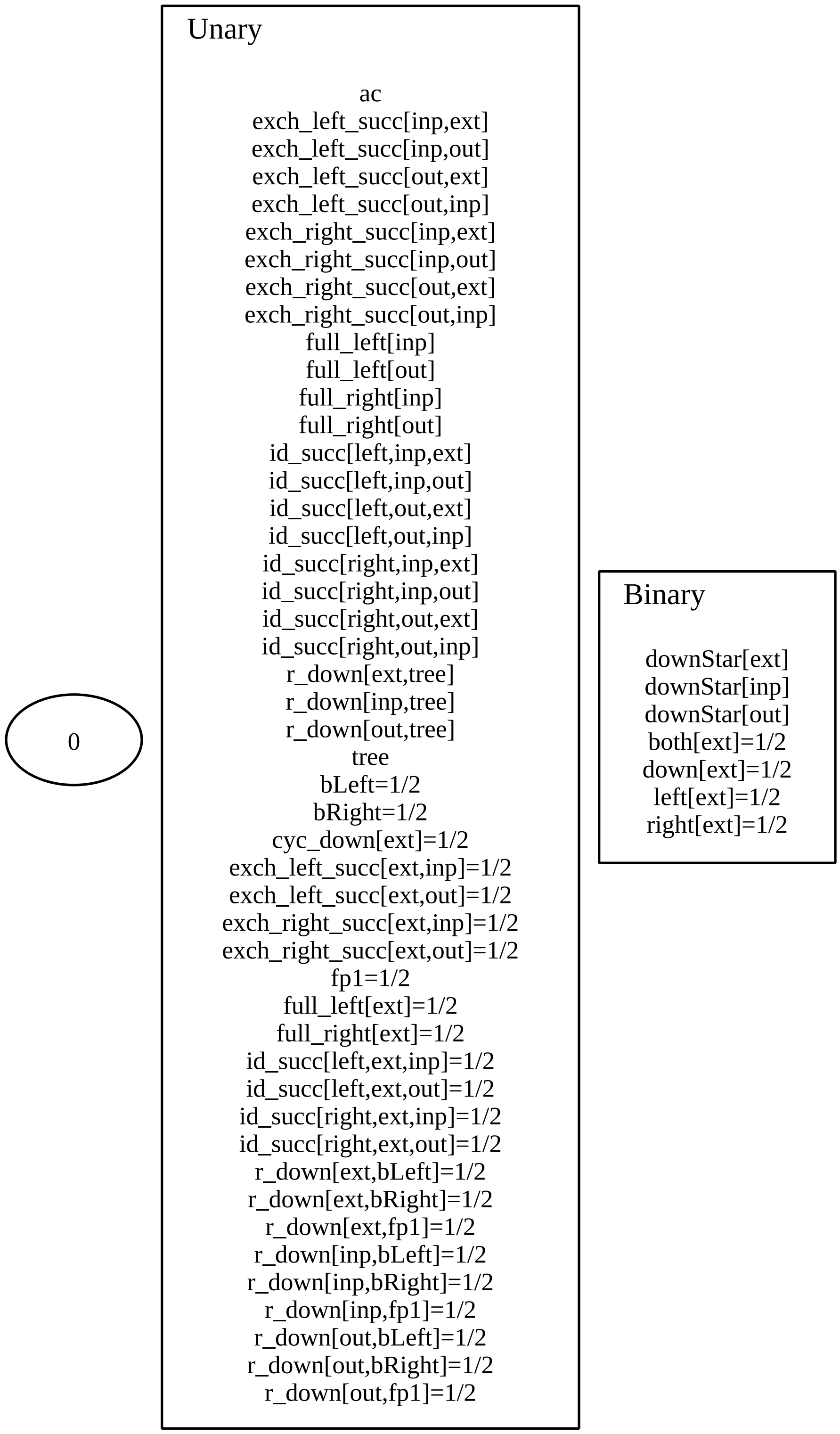
Equation Node
main_end

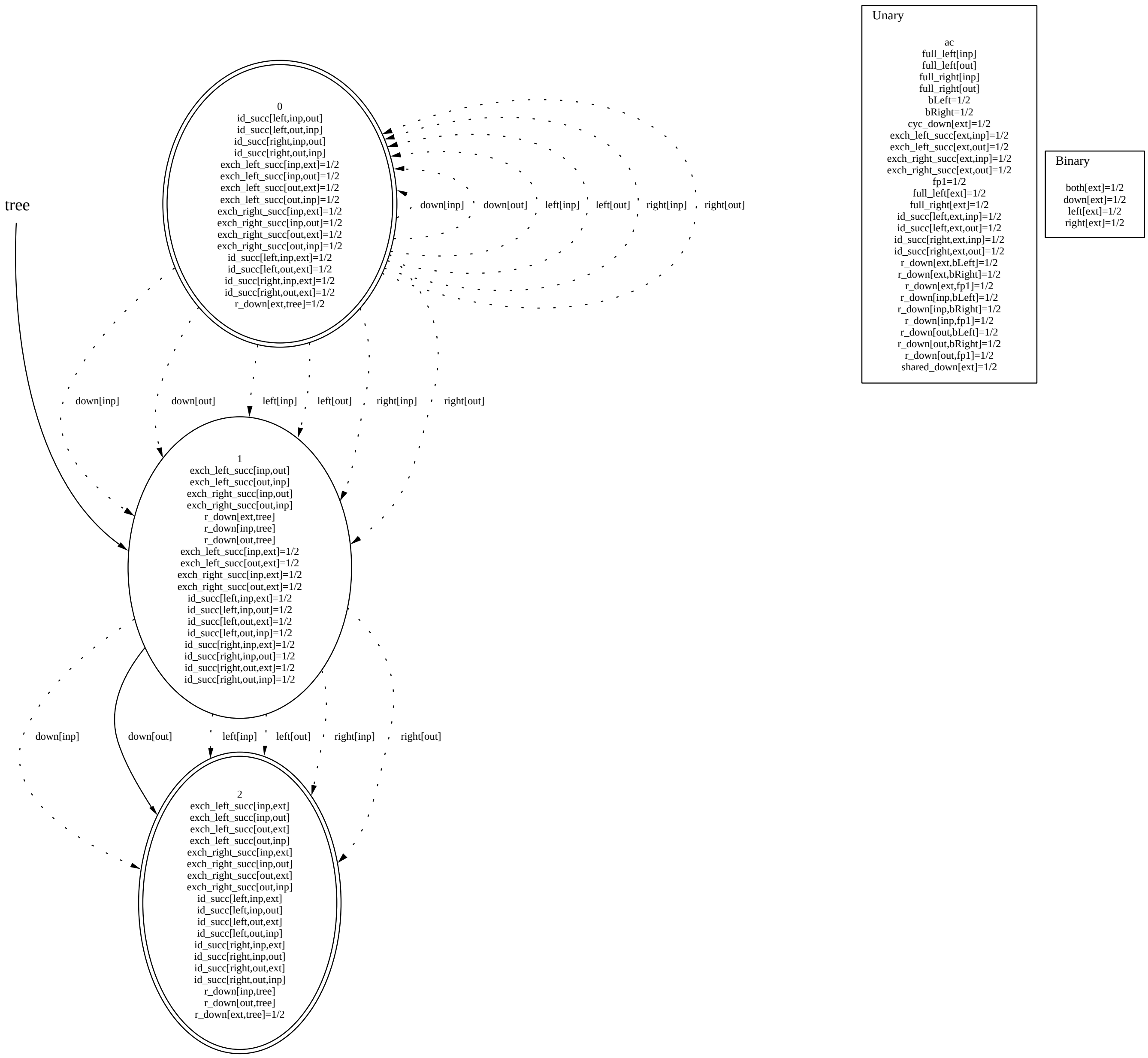

0
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
sm=1/2
Binary
both[ext]=1/2
downStar[ext]=1/2
downStar[inp]=1/2
downStar[out]=1/2
down[ext]=1/2
down[inp]=1/2
down[out]=1/2
left[ext]=1/2
left[inp]=1/2
left[out]=1/2
right[ext]=1/2
right[inp]=1/2
right[out]=1/2


Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
0
r_down[ext,tree]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]

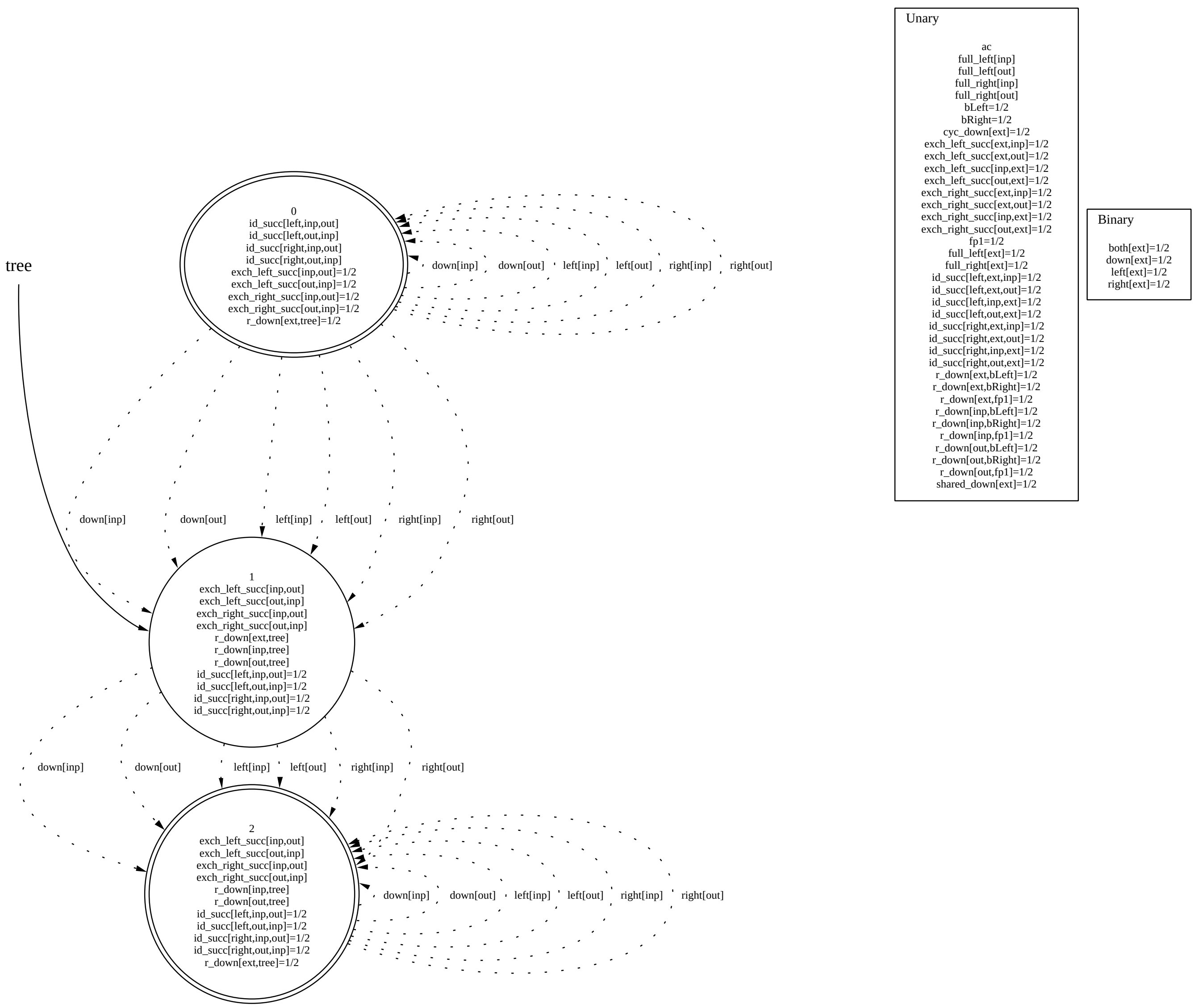

Unary
ac
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
r_down[inp,tree]
r_down[out,tree]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
tree
0
r_down[ext,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
exch_left_succ[inp,ext]
exch_left_succ[out,ext]
exch_right_succ[inp,ext]
exch_right_succ[out,ext]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,tree]=1/2

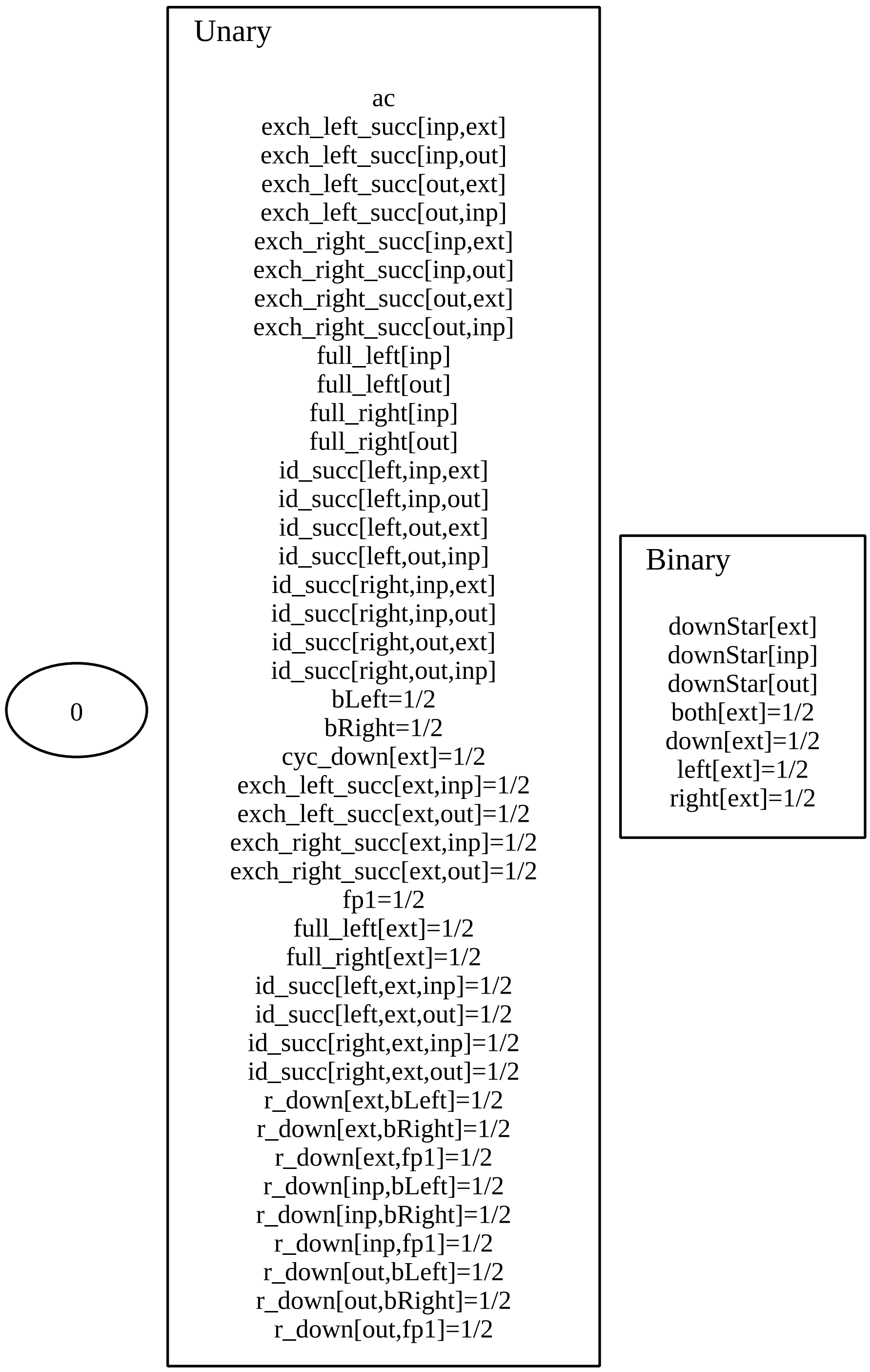

tree
1
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
0
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,out,ext]
id_succ[right,inp,ext]
id_succ[right,out,ext]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2


Unary
ac
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
tree
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
Binary
downStar[ext]
downStar[inp]
downStar[out]
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2
0



tree
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,ext]=1/2
exch_left_succ[inp,out]=1/2
exch_left_succ[out,ext]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,ext]=1/2
exch_right_succ[out,inp]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,inp,out]=1/2
id_succ[left,out,ext]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,ext]=1/2
id_succ[right,out,inp]=1/2
2
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
r_down[inp,tree]
r_down[out,tree]
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2


tree
0
id_succ[left,inp,out]
id_succ[left,out,inp]
id_succ[right,inp,out]
id_succ[right,out,inp]
exch_left_succ[inp,out]=1/2
exch_left_succ[out,inp]=1/2
exch_right_succ[inp,out]=1/2
exch_right_succ[out,inp]=1/2
r_down[ext,tree]=1/2
down[inp]
down[out]
left[inp]
left[out]
right[inp]
right[out]
1
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[ext,tree]
r_down[inp,tree]
r_down[out,tree]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
2
exch_left_succ[inp,out]
exch_left_succ[out,inp]
exch_right_succ[inp,out]
exch_right_succ[out,inp]
r_down[inp,tree]
r_down[out,tree]
id_succ[left,inp,out]=1/2
id_succ[left,out,inp]=1/2
id_succ[right,inp,out]=1/2
id_succ[right,out,inp]=1/2
r_down[ext,tree]=1/2
Unary
ac
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_left_succ[inp,ext]=1/2
exch_left_succ[out,ext]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
exch_right_succ[inp,ext]=1/2
exch_right_succ[out,ext]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[left,inp,ext]=1/2
id_succ[left,out,ext]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
id_succ[right,inp,ext]=1/2
id_succ[right,out,ext]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
shared_down[ext]=1/2
Binary
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2


0
Unary
ac
exch_left_succ[inp,ext]
exch_left_succ[inp,out]
exch_left_succ[out,ext]
exch_left_succ[out,inp]
exch_right_succ[inp,ext]
exch_right_succ[inp,out]
exch_right_succ[out,ext]
exch_right_succ[out,inp]
full_left[inp]
full_left[out]
full_right[inp]
full_right[out]
id_succ[left,inp,ext]
id_succ[left,inp,out]
id_succ[left,out,ext]
id_succ[left,out,inp]
id_succ[right,inp,ext]
id_succ[right,inp,out]
id_succ[right,out,ext]
id_succ[right,out,inp]
bLeft=1/2
bRight=1/2
cyc_down[ext]=1/2
exch_left_succ[ext,inp]=1/2
exch_left_succ[ext,out]=1/2
exch_right_succ[ext,inp]=1/2
exch_right_succ[ext,out]=1/2
fp1=1/2
full_left[ext]=1/2
full_right[ext]=1/2
id_succ[left,ext,inp]=1/2
id_succ[left,ext,out]=1/2
id_succ[right,ext,inp]=1/2
id_succ[right,ext,out]=1/2
r_down[ext,bLeft]=1/2
r_down[ext,bRight]=1/2
r_down[ext,fp1]=1/2
r_down[inp,bLeft]=1/2
r_down[inp,bRight]=1/2
r_down[inp,fp1]=1/2
r_down[out,bLeft]=1/2
r_down[out,bRight]=1/2
r_down[out,fp1]=1/2
Binary
downStar[ext]
downStar[inp]
downStar[out]
both[ext]=1/2
down[ext]=1/2
left[ext]=1/2
right[ext]=1/2