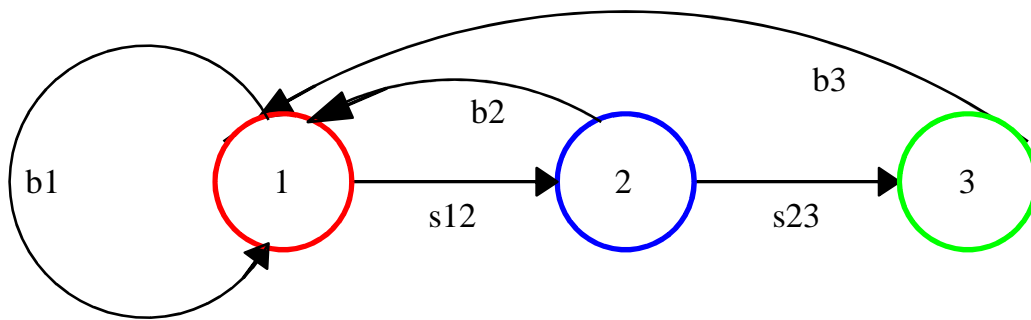


Template for state diagram

```
> with(plottools):  
  
> c1 := circle([0,0],1,thickness=2,color=red):  
c2 := circle([5,0],1,thickness=2,color=blue):  
c3 := circle([10,0],1,thickness=2,color=green):  
a1 := arrow([1,0],[4,0],.01,0.4,0.1):  
a2 := arrow([6,0],[9,0],.01,0.4,0.1):  
t1 := plots[textplot]([0,0,"1"]);  
t2 := plots[textplot]([5,0,"2"]):  
t3 := plots[textplot]([10,0,"3"]):  
arc1 := arc([-2,0],2,0.15*Pi..1.85*Pi):  
arc2 := arc([2.5,-2.5],4,0.32*Pi..0.68*Pi):  
arc3 := arc([5,-7.5],10,0.3*Pi..0.7*Pi):  
a3 := arrow([-2+2*cos(1.75*Pi),2*sin(1.75*Pi)],[-2+2*cos(1.85*  
Pi),2*sin(1.85*Pi)],.01,.4,.5):  
a4 := arrow([2.5+4*cos(0.58*Pi),-2.5+4*sin(0.58*Pi)],  
            [2.5+4*cos(0.68*Pi),-2.5+4*sin(0.68*Pi)],0.01,0.4,  
            0.5):  
a5 := arrow([5+10*cos(0.65*Pi),-7.5+10*sin(0.65*Pi)],  
            [5+10*cos(0.68*Pi),-7.5+10*sin(0.68*Pi)],0.01,0.4,  
            0.5):  
t4 := plots[textplot]([-3.5,0,"b1"]):  
t5 := plots[textplot]([3,1,"b2"]):  
t6 := plots[textplot]([8,1.5,"b3"]):  
t7 := plots[textplot]([2.5,-0.5,"s12"]):  
t8 := plots[textplot]([7.5,-0.5,"s23"]):  
plots[display]({c1,c2,c3,a1,a2,t1,t2,t3,arc1,arc2,a3,a4,arc3,a5,  
t4,t5,t6,t7,t8},scaling=constrained,axes=None);  
t1 := INTERFACE_PLOT(...)
```



```

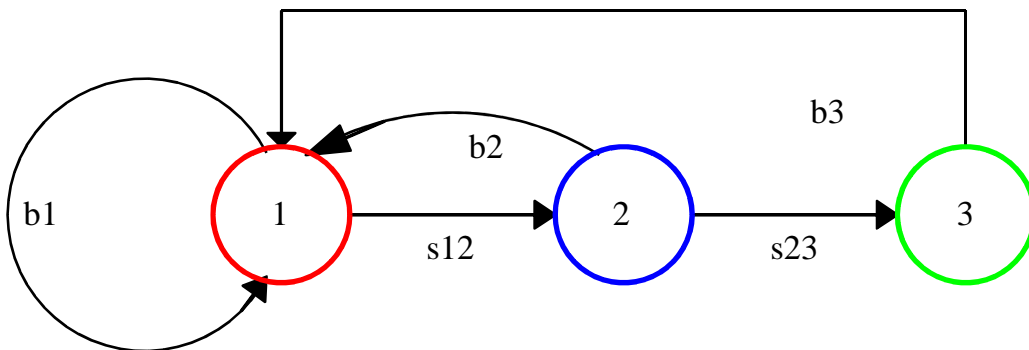
> c1 := circle([0,0],1,thickness=2,color=red):
   c2 := circle([5,0],1,thickness=2,color=blue):
   c3 := circle([10,0],1,thickness=2,color=green):
   a1 := arrow([1,0],[4,0],.01,0.4,0.1):
   a2 := arrow([6,0],[9,0],.01,0.4,0.1):
   t1 := plots[textplot]([0,0,"1"]);
   t2 := plots[textplot]([5,0,"2"]);
   t3 := plots[textplot]([10,0,"3"]);
   arc1 := arc([-2,0],2,0.15*Pi..1.85*Pi):
   arc2 := arc([2.5,-2.5],4,0.32*Pi..0.68*Pi):
   arc3 := arc([5,-7.5],10,0.3*Pi..0.7*Pi):
   a3 := arrow([-2+2*cos(1.75*Pi),2*sin(1.75*Pi)],[-2+2*cos(1.85*
Pi),2*sin(1.85*Pi)],.01,.4,.5):
   a4 := arrow([2.5+4*cos(0.58*Pi),-2.5+4*sin(0.58*Pi)],
               [2.5+4*cos(0.68*Pi),-2.5+4*sin(0.68*Pi)],0.01,0.4,
0.5):
   a5 := arrow([5+10*cos(0.65*Pi),-7.5+10*sin(0.65*Pi)],

```

```

[5+10*cos(0.68*Pi),-7.5+10*sin(0.68*Pi)],0.01,0.4,
0.5):
t4 := plots[textplot]([-3.5,0,"b1"]):
t5 := plots[textplot]([3,1,"b2"]):
t6 := plots[textplot]([8,1.5,"b3"]):
t7 := plots[textplot]([2.5,-0.5,"s12"]):
t8 := plots[textplot]([7.5,-0.5,"s23"]):
l1 := line([10,1],[10,3]): l2 := line([10,3],[0,3]): a5 := arrow
([0,3],[0,1],.01,0.4,0.1):
plots[display]({c1,c2,c3,a1,a2,t1,t2,t3,arc1,arc2,l1,l2,a3,a4,
a5,t4,t5,t6,t7,t8},scaling=constrained,axes=none);
t1 := PLOT(...)

```



>