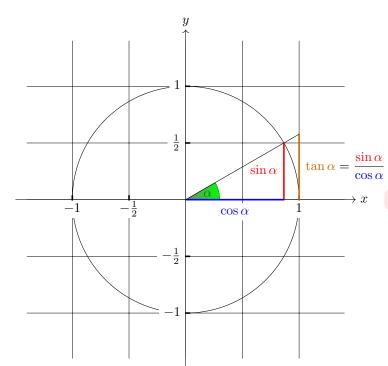
1 Karl's graph

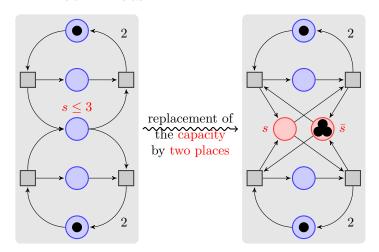


The angle α is 30° in the example $(\pi/6$ in radian). The sine of α which is the height of the red line is

$$\sin \alpha = 1/2.$$

By the theorem of Pythagoras,...

2 Petri Nets

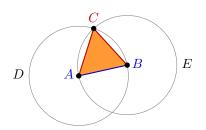


3 Book I, Proposition I

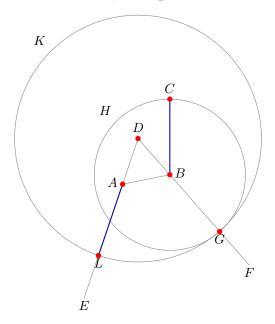
Proposition I

To construct an equilateral triangle on a given finite straight line.

Let AB be the given finite straight line. ...



4 Book I, Proposition II



Proposition II

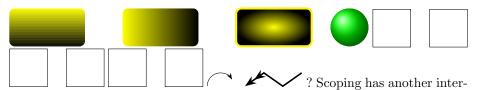
To place a a straight line equal to a given straight line ...

5 Diagrams as Simple Graphs

 \rightarrow unsigned integer

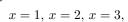
Curved Path Construction.

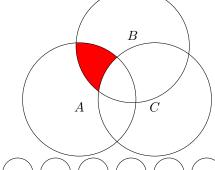




esting effect: Any changes to the clipping area are local to the scope. Thus, if you say \clip somewhere inside a scope, the effect of the \clip command ends

after the end of that scope.





We can also nest

loops to create interesting effects.

toops to create interesting enects							
1,5	2,5	3,5	4,5	5,5			
1,4	2,4	3,4	4,4	5,4			
1,3	2,3	3,3	4,3	5,3			
1,2	2,2	3,2	4,2	5,2			
1,1	2,1	3,1	4,1	5,1			

7,5	8,5	9,5	10,5	11,5	12,5
7,4	8,4	9,4	10,4	11,4	12,4
7,3	8,3	9,3	10,3	11,3	12,3
7,2	8,2	9,2	10,2	11,2	12,2
7,1	8,1	9,1	10,1	11,1	12,1

Labeling examples using TikZ.

Text at node 2

Text at node 1

You can also position labels on curves and, by adding the sloped option, have them rotated such that they match the line's slope.

