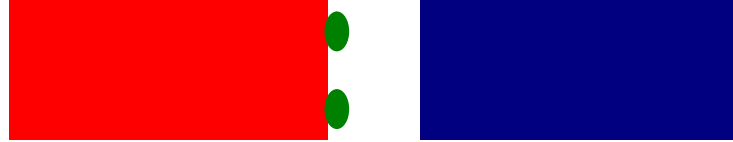


How to make two pieces lock together with inkscape

Start by creating a shape using only fill no stroke

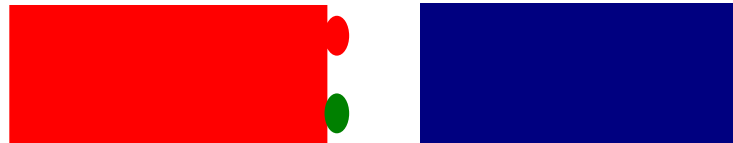


Duplicate the rectangle and move it aside, change the color of it
create a couple ovals and line them up where you want them

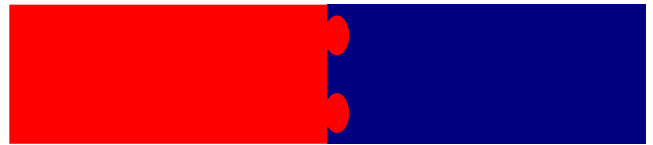


Select an oval and the red rectangle, choose union (ctrl ++)

Repeat this for the other oval



Now connect the blue rectangle to the red one making sure the red one is on top

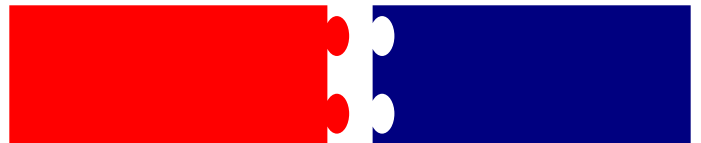


with the red one selected, create a duplicate and drop it to the bottom

then select the red, hold shift and select the blue rectangle

with both now selected, choose path difference

everything will appear the same until you move the blue rectangle



It's just that simple

