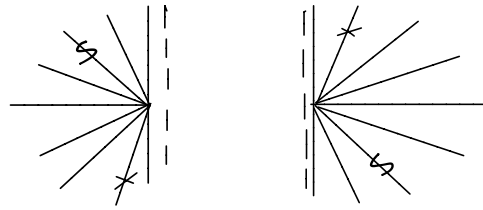
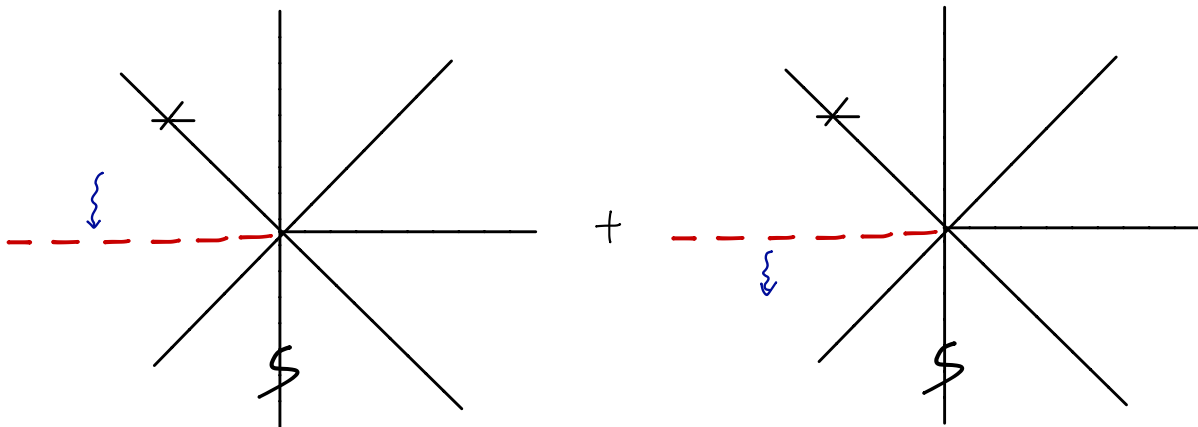


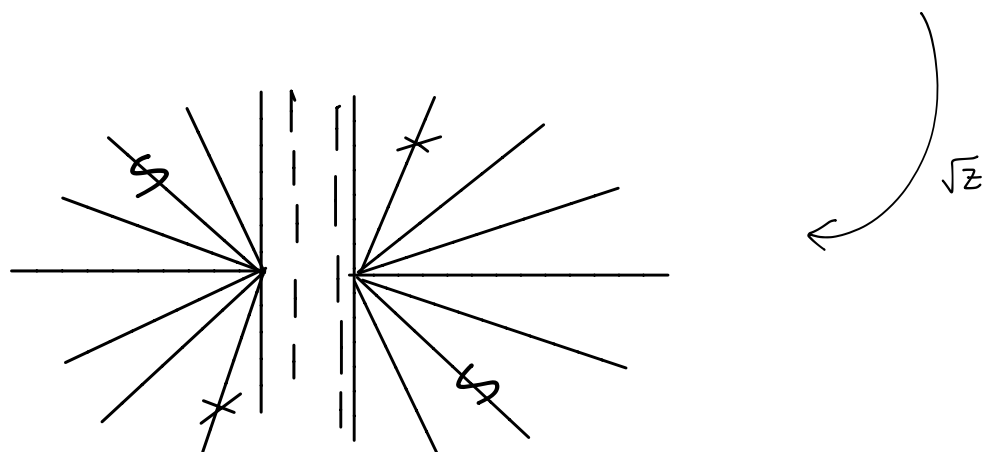
Branch cut for $f(z) = \sqrt{z}$



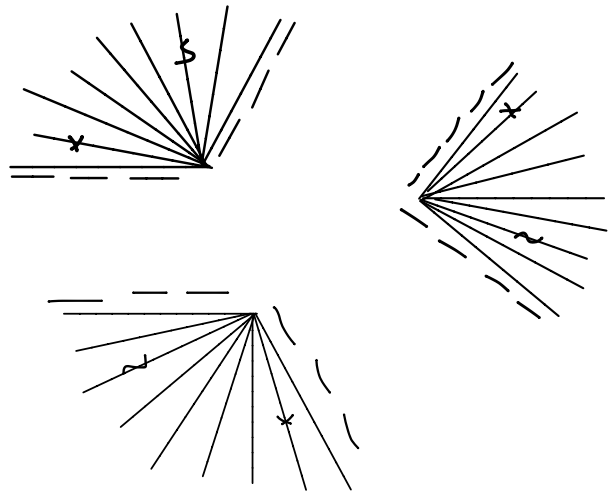
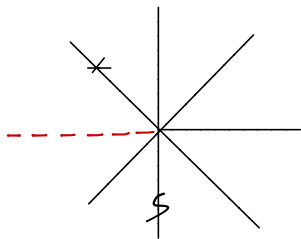
The two branches



Riemann surface obtained by gluing at the branch cuts

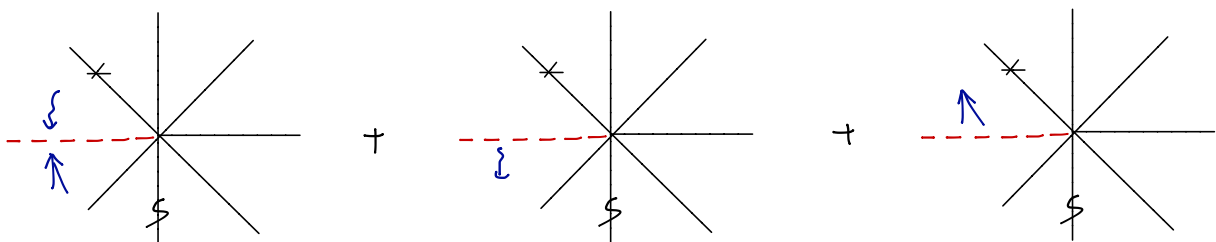


The image is now the entire complex plane.

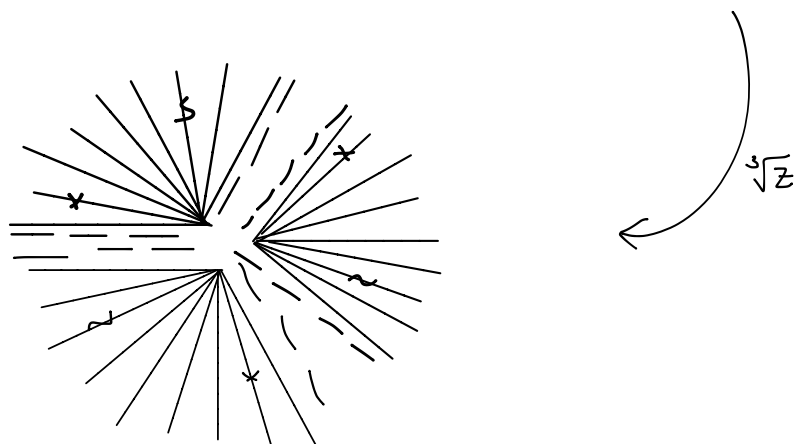


Branch cut for $f(z) = \sqrt[3]{z}$

The three branches



Riemann surface obtained by gluing at the branch cuts



The image is now the entire complex plane.