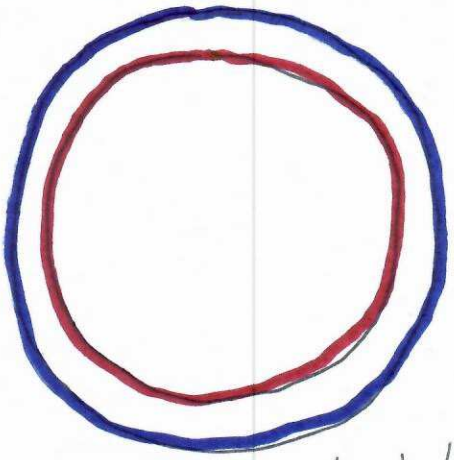
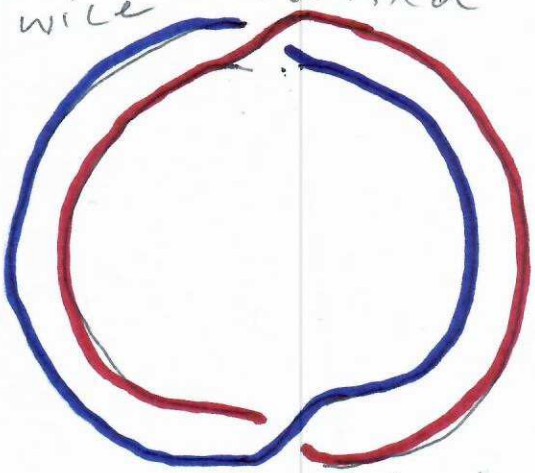
Unknot: cut it down the middle (CIDTM)



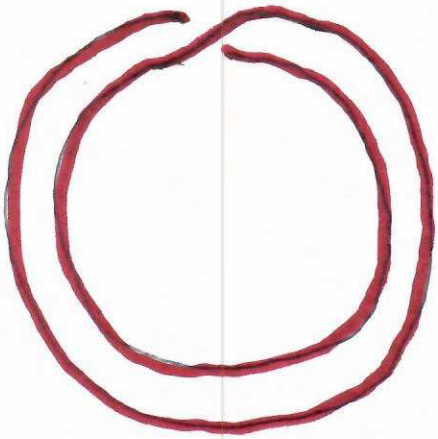
you get the unlink!

Twice-twisted

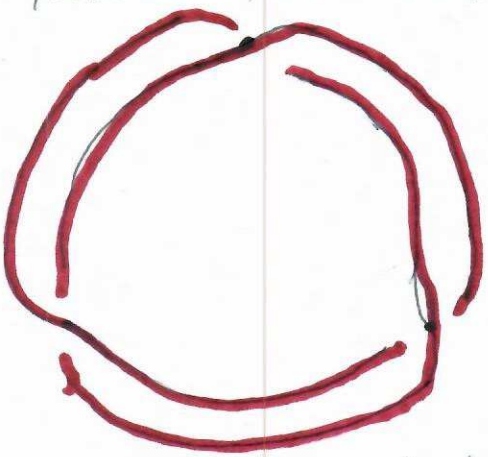


CIDTM → Hopf Link

Mobius band: CIDTM → twice-twisted band

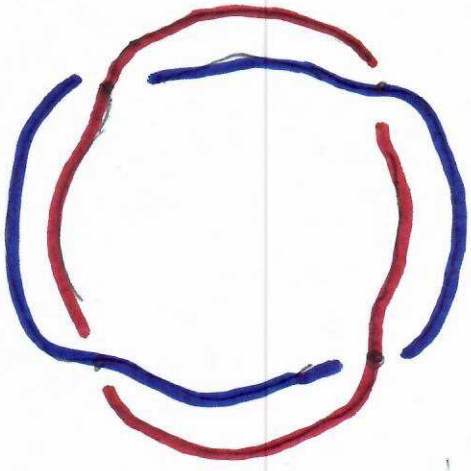


Thrice-twisted



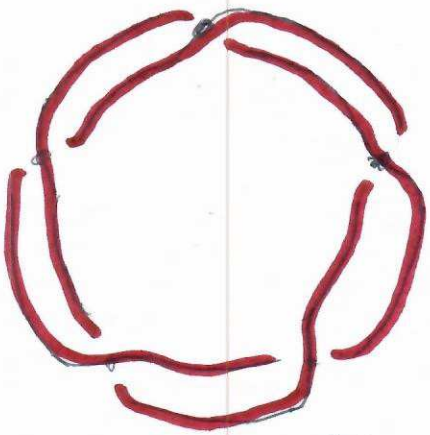
CIDTM → Trefoil knot

Four-Twists



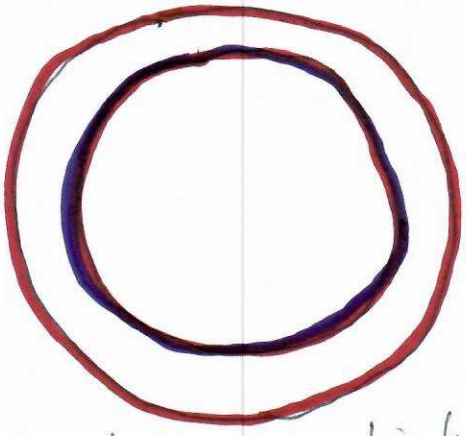
CIDTM → Solomon's "Knot"

Five-twists



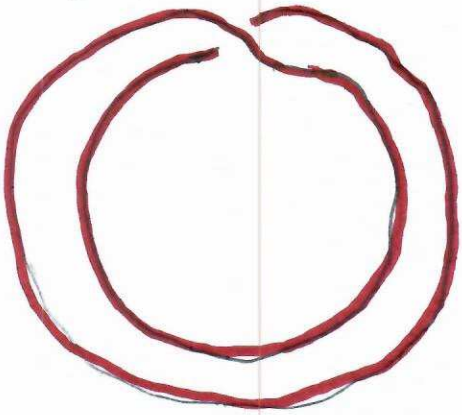
CIDTM → Cinquefoil Knot

unknot: cut it down the middle (CIDTM)

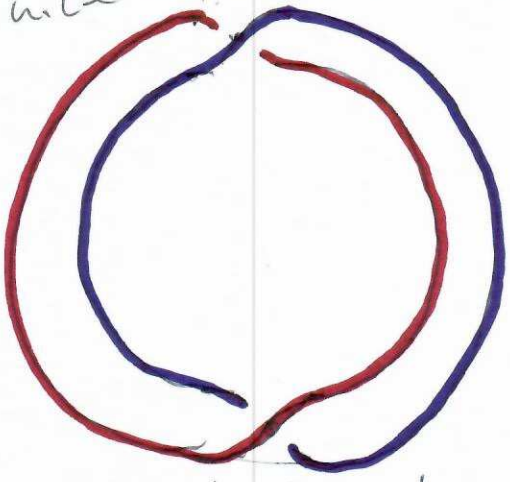


you get the unlink!

Mobius Band: CIDTM
→ twice-twisted band

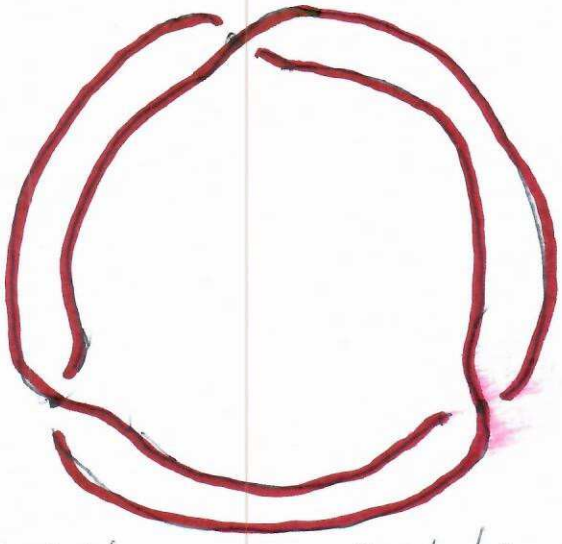


Twice-twisted: CIDTM



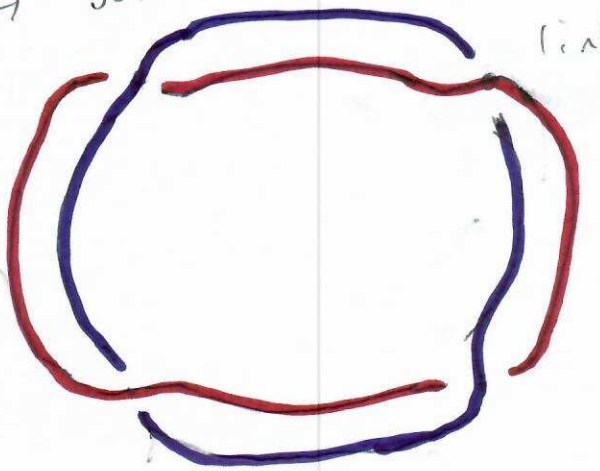
→ get a Hopf link

Thrice-twisted: CIDTM

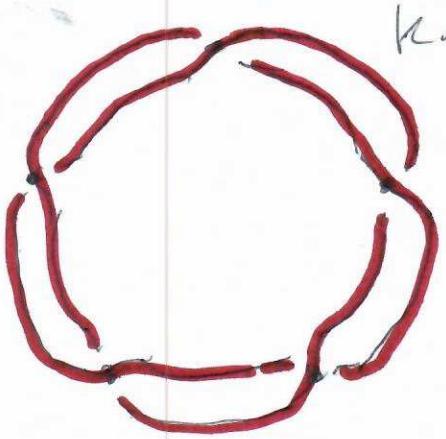


→ get a trefoil knot

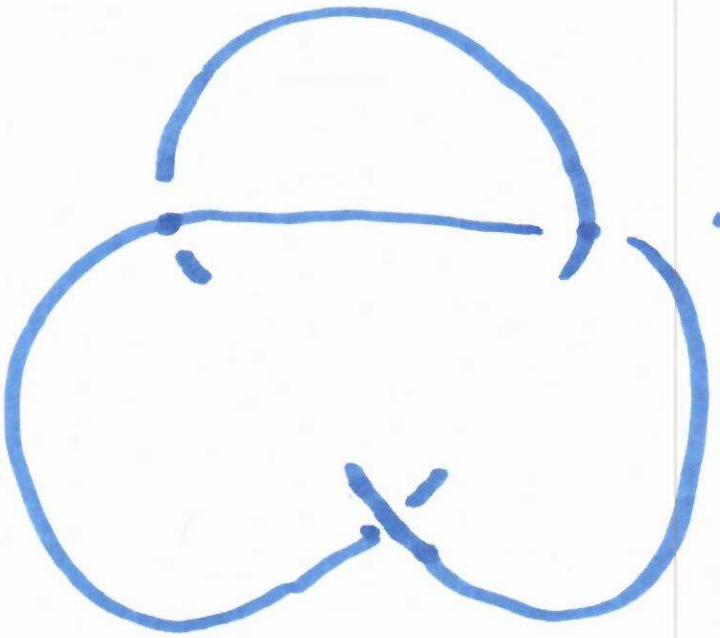
Five-twisted: CIDTM
→ Solomon's "Knot" (it's a link!)



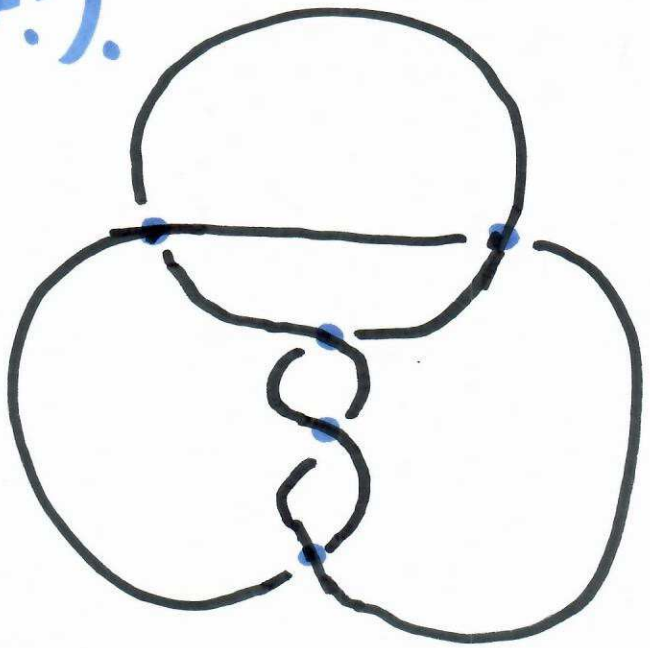
Five-twisted: CIDTM
→ cinquefoil knot



The trefoil is the three-crossing twist knot (but it's also a torus knot!).



Erase the middle of a trefoil knot + add some twists:

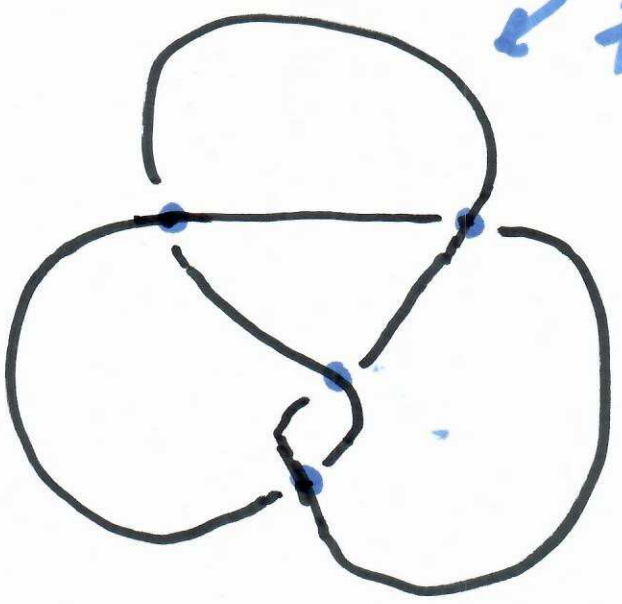


Five-crossing twist knot

$5_2$

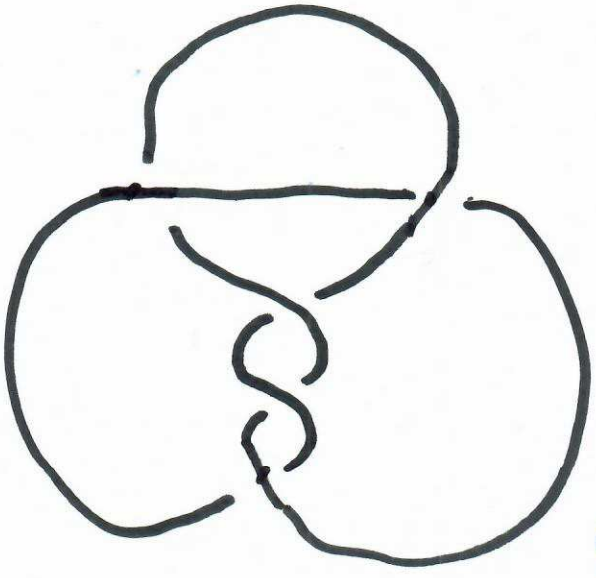
There are two distinctly different five-crossing knots: $5_2$ + $5_1$ (the cinquefoil, a torus knot).

A four-knot (knot Four crossings)

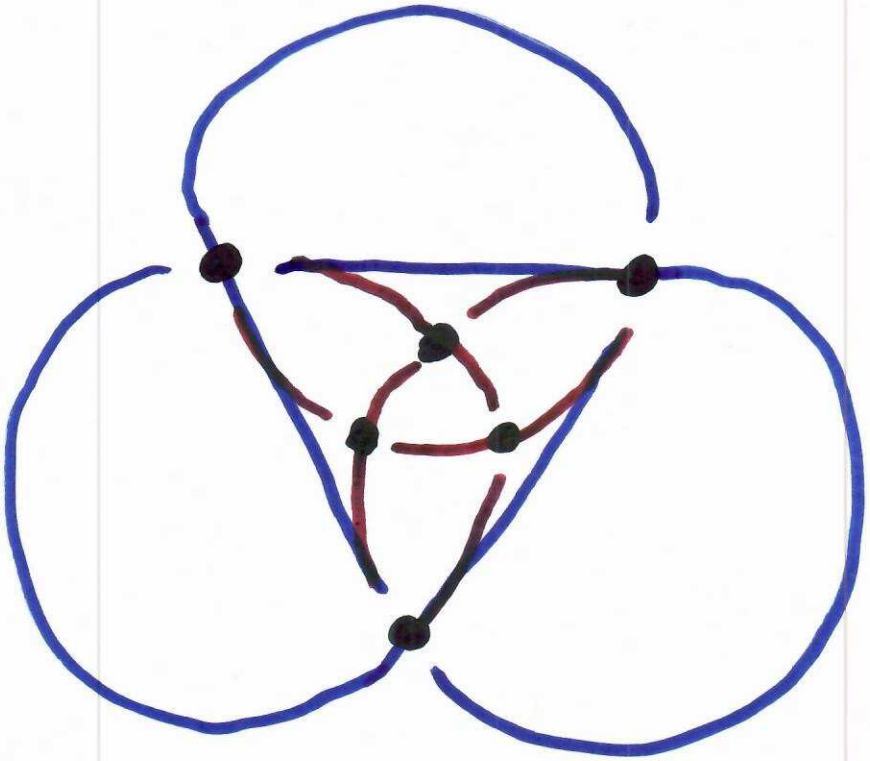


Do you see the figure 8?

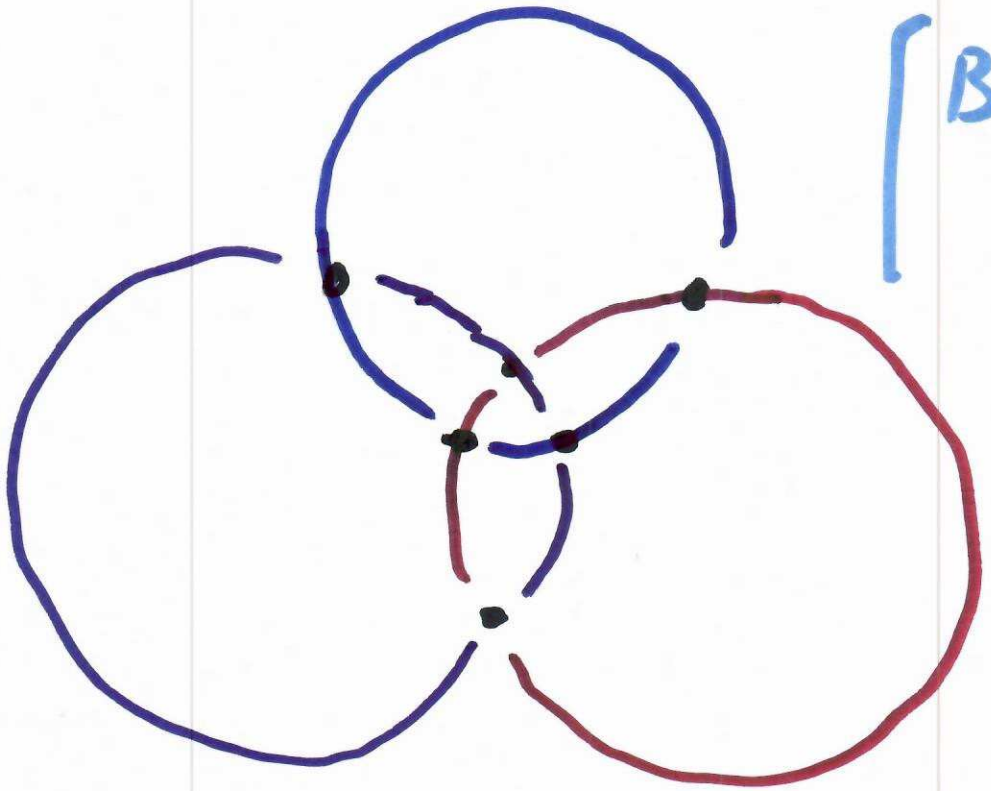
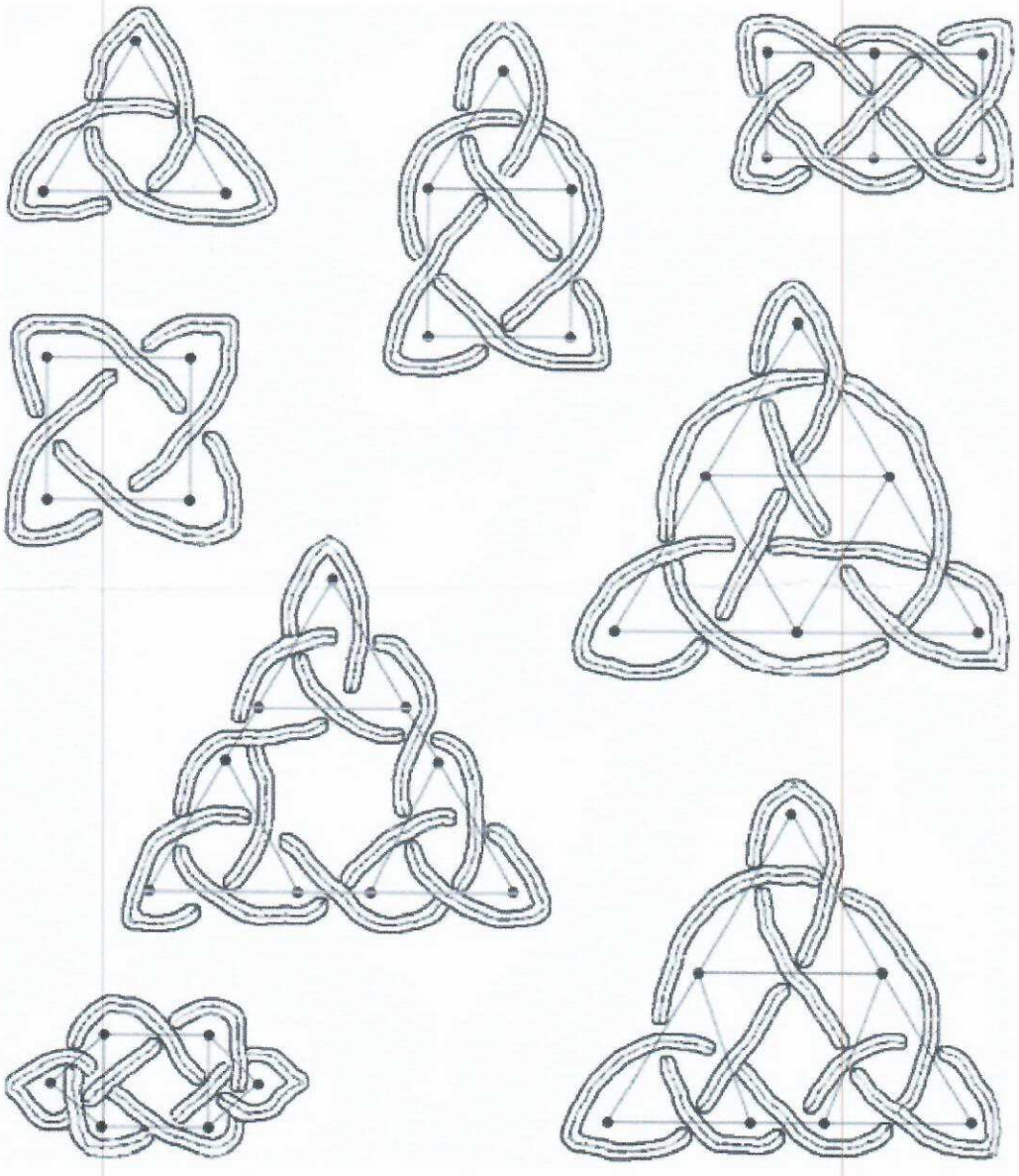
"Figure 8" Knot (Not a torus knot)



Add another twist to get the five-crossing twist knot, $5_2$.



Start w/ a trefoil knot, + short-circuit some paths to get



[Borromean Rings]