Challers & publish is irrational

Suppose ab are smulost interes

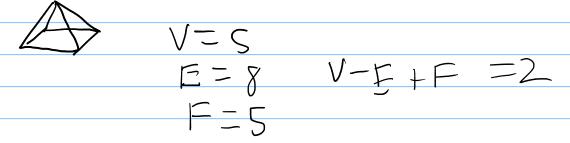
Subthat
$$\frac{a}{b} = 10g_{t0} 2$$
 $a = blog_{t0} 2$
 $a = log_{t0} 2^{b}$
 $loa = log_{t0} 2^{b}$
 $loa = 2^{b}$
 $sa = 2^{b}$
 $sa = 2^{b}$

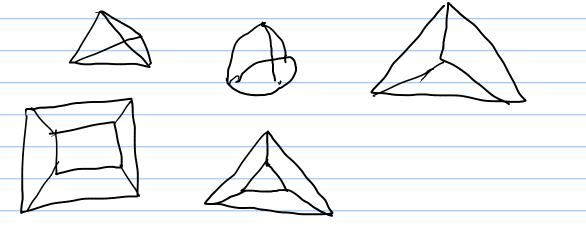
Sold even

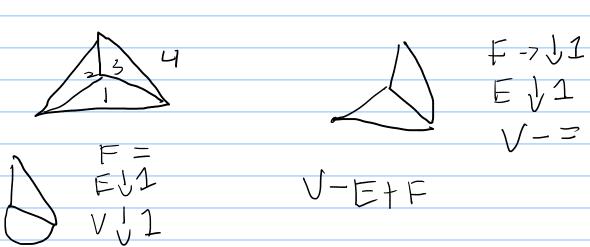
Contadiction so no $\frac{a}{b} = lag_{t0} 2$
 $V - F + F = evler characteristic$

$$F=6$$
 $8-12+6=2$ $V=8$ $F=12$

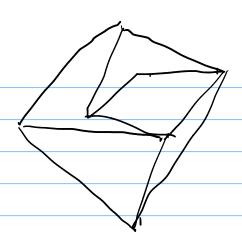
$$V = 6$$
 $E = 9$
 $V = 5$
 $V = 5$



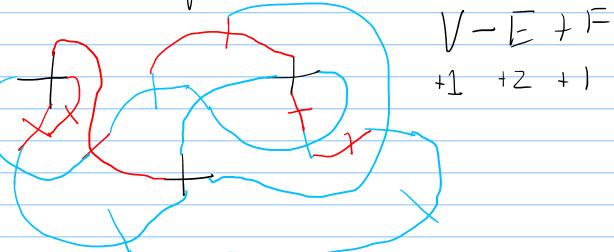


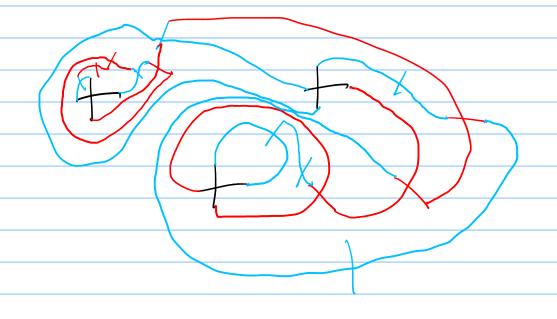


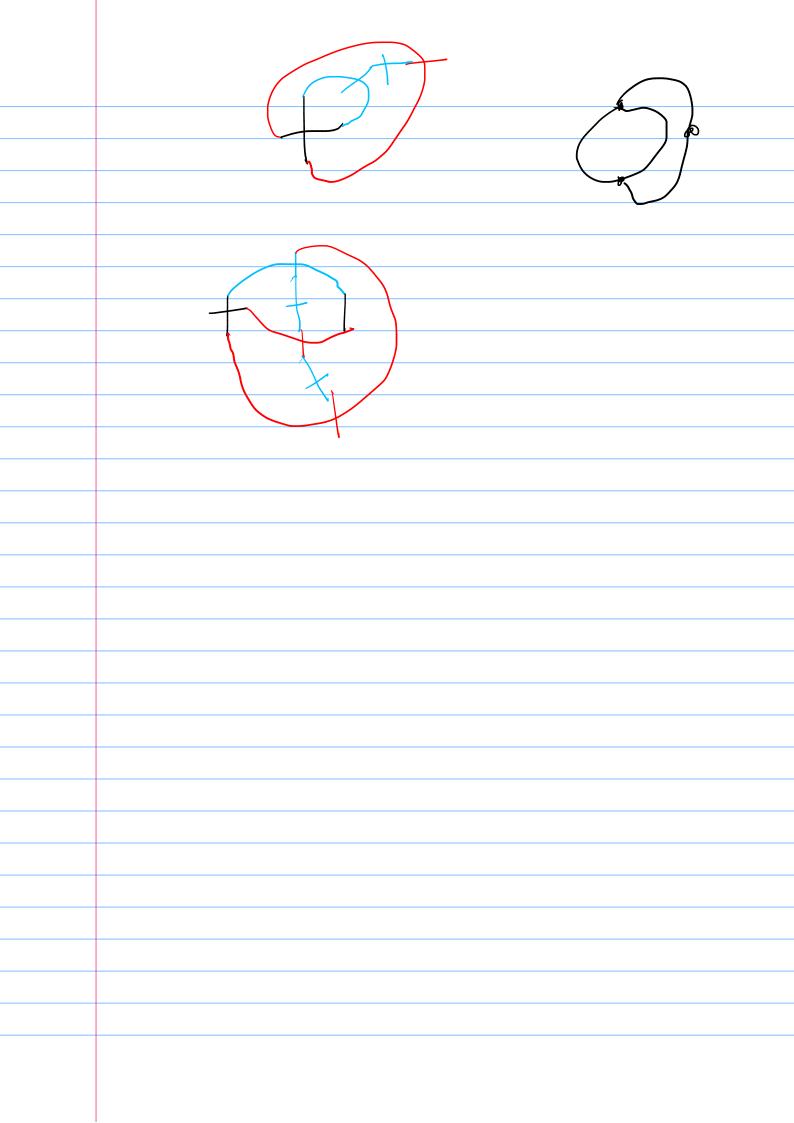




Bressels sprads







Peano Arithmetic

- 1. 0 is a natural number.
- There is a relation "=" between natural numbers with the properties:

 $x \in \mathcal{N}$

There is a function called the "Successor function" [S(n)] with the properties: if n is a natural number, S(n) is a natural number if S(m)=S(n), then m=n

There is no natural number n such that S(n) is 0 0, S(0), S(S(0)), etc. are all the natural numbers

Deline 4'': a + 0 = 9 S(a) + b = S(a+b)

S(0) + S(0) = S(S(0))

$$S(S(0)) = S(S(0))$$

Euclid's Postulates

