

6/2 a hyperbolic transf. d(c,c/z) = Cd(2i,i) = C also if dist is presoned by hyp. transt, If the votical hyperbolic line is soly to believe

like a Eadidean line

$$d(2\bar{c}, \bar{c}/2) = 2C$$

$$d(2\bar{c}, \bar{c}/4) = 3C$$

$$d(2\dot{c}, \bar{c}/4) = |k-j|C$$

$$\ln \left(\frac{2^{5} c}{2^{k} c} \right) = \ln \left(\frac{2^{5-k}}{2^{k}} \right)$$

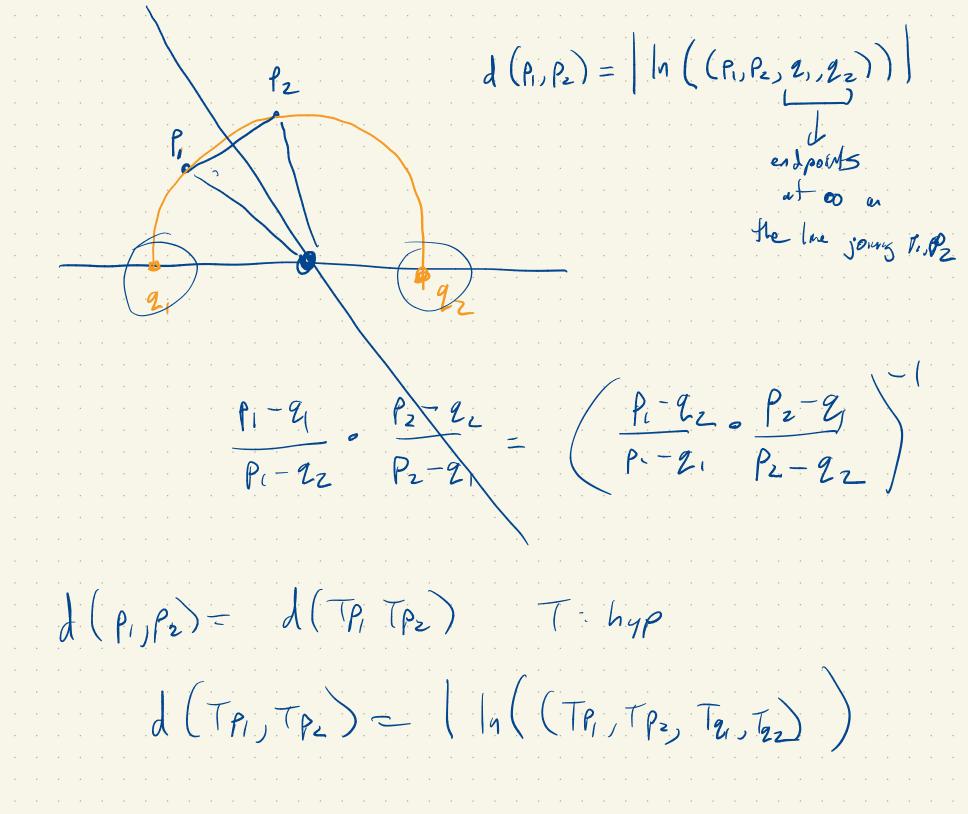
$$= \left(\frac{5-k}{2^{k}} \right) \ln \left(\frac{2^{5-k}}{2^{k}} \right)$$

For points on the positive imaginary axis
$$d(PQ) = \left| \ln \left(P(Q) \right) \right| \qquad Tz = (z),$$

$$(P,Q,0,0,0) = \frac{P-0}{P-00} \frac{z-00}{z-0} = \frac{P}{Q}$$

$$|\ln \left((P,Q,0,0) \right) \right| \qquad 2z$$

$$|\ln \left((P,Q,0,0) \right) \qquad q$$



$$= \left[\ln\left(\left(P_{1}, P_{2}, \eta_{1}, q_{2}\right)\right)\right]$$

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$$\frac{1}{q} = d(P_1, P_2)$$

$$\frac{1}{q} = \frac{1}{2} T_{2} \qquad q_2$$