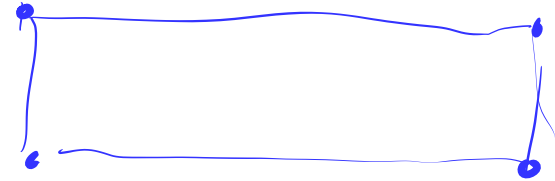
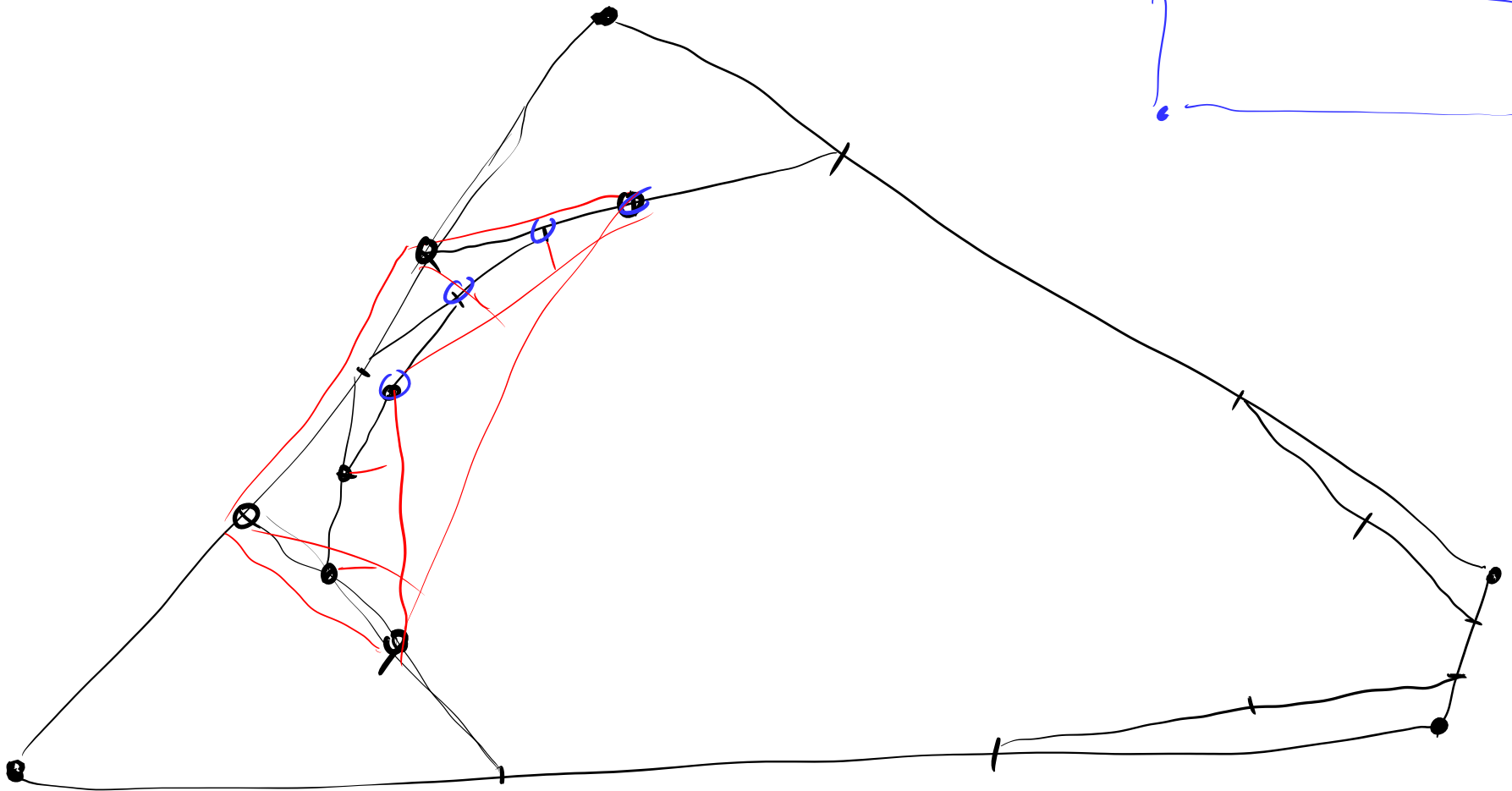






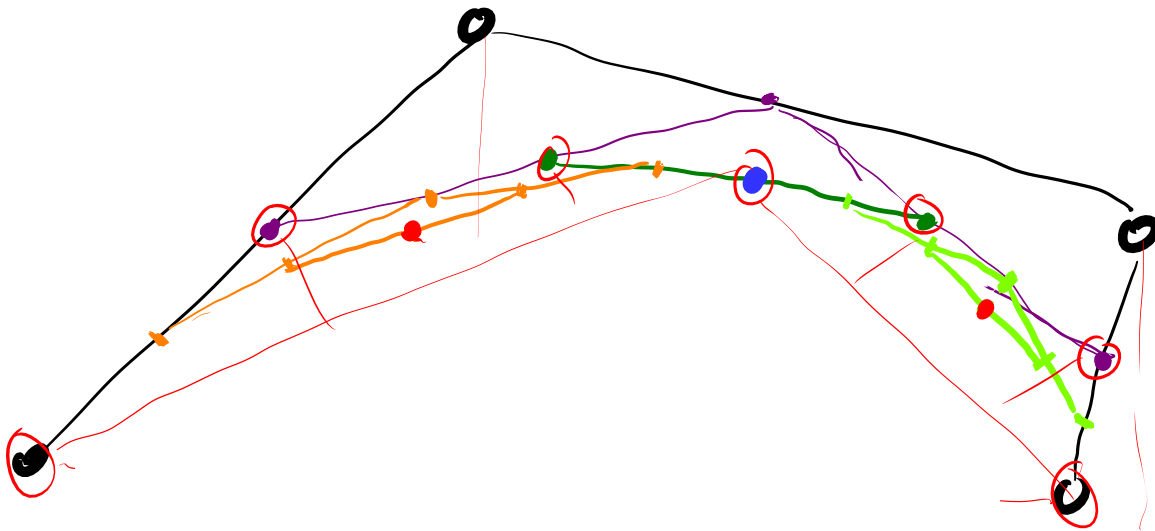
B-spline
Bézier

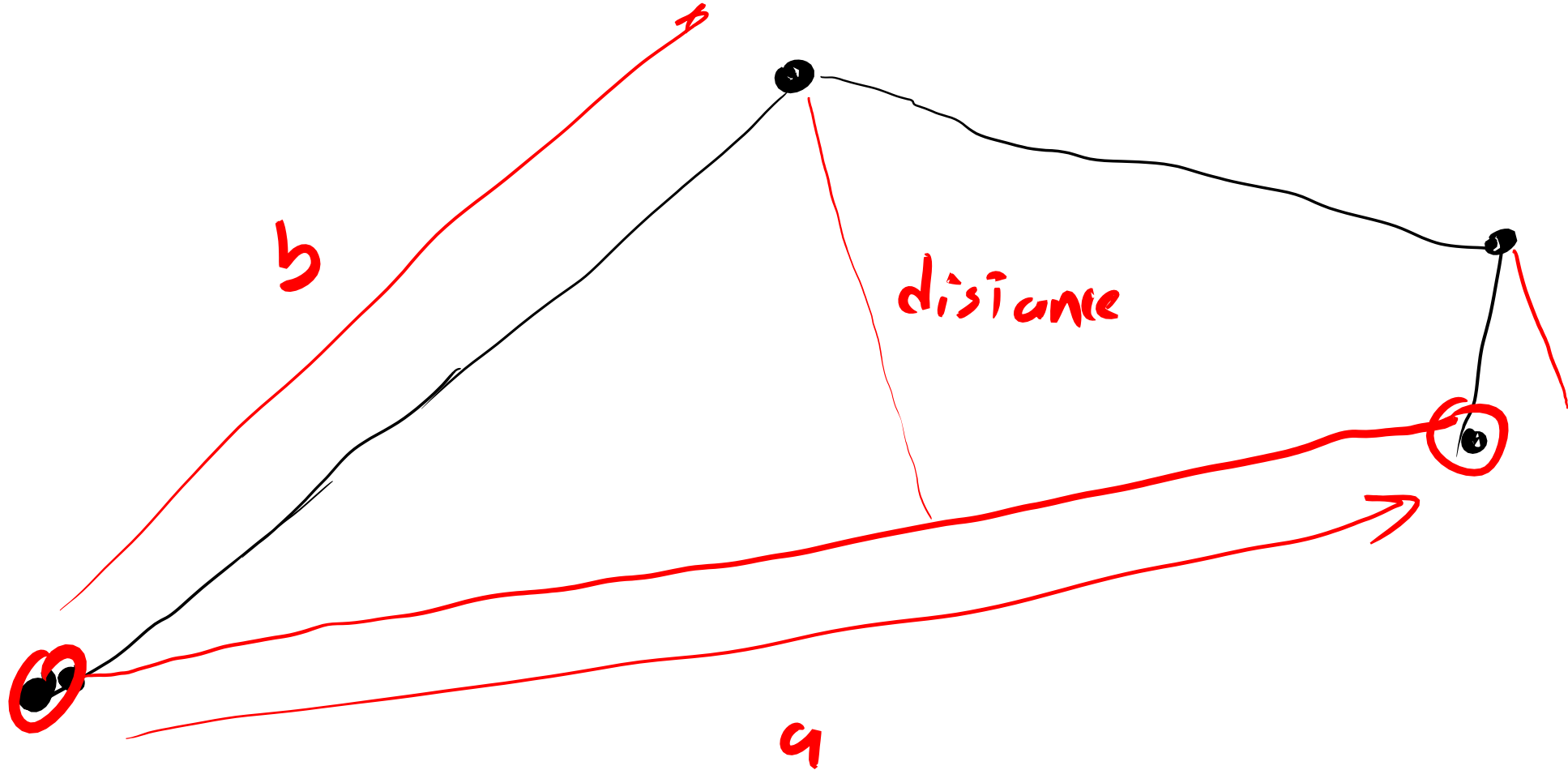


Bézier

4 CP = cubic

at³ + bt² + ct + d

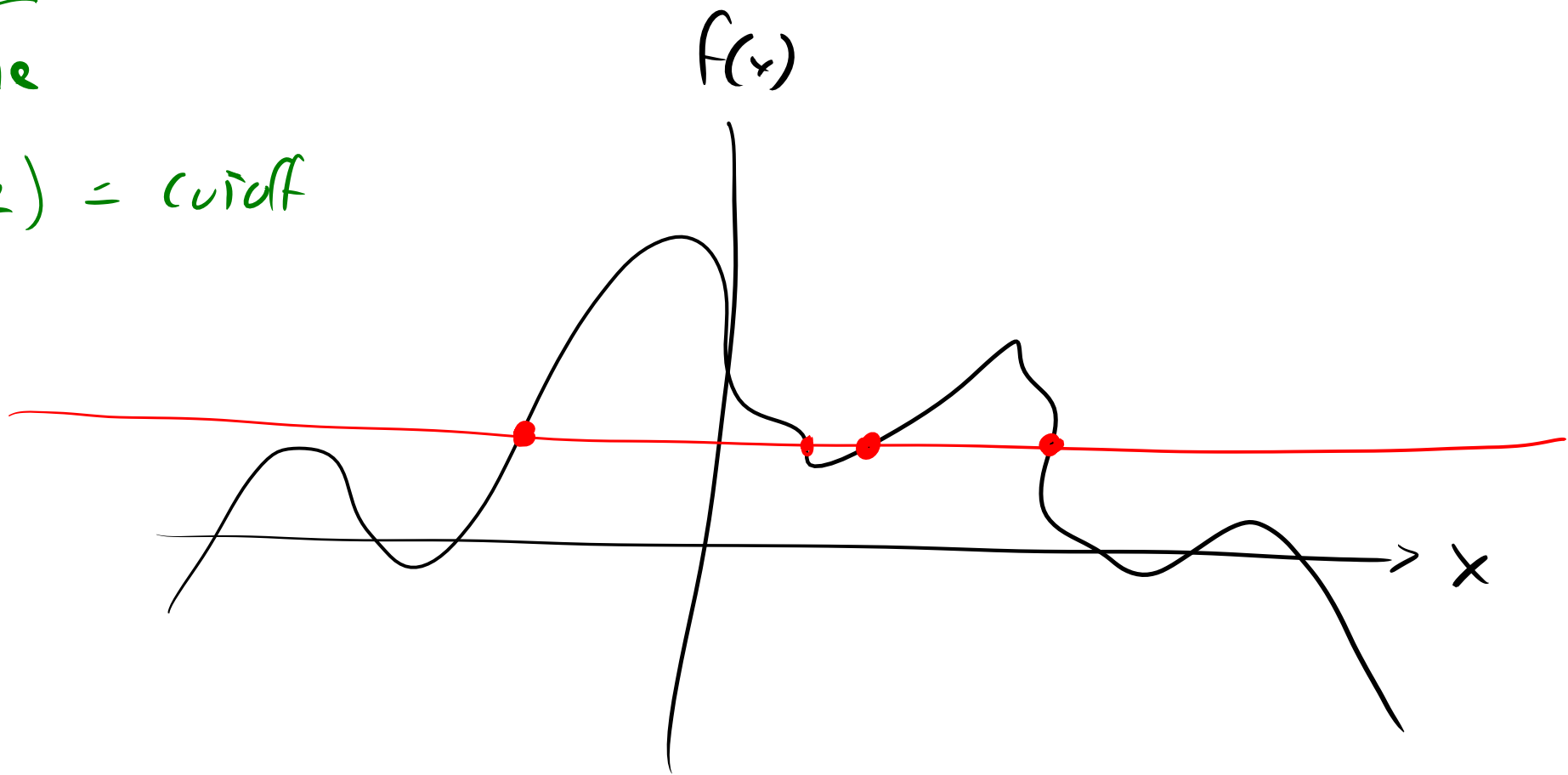




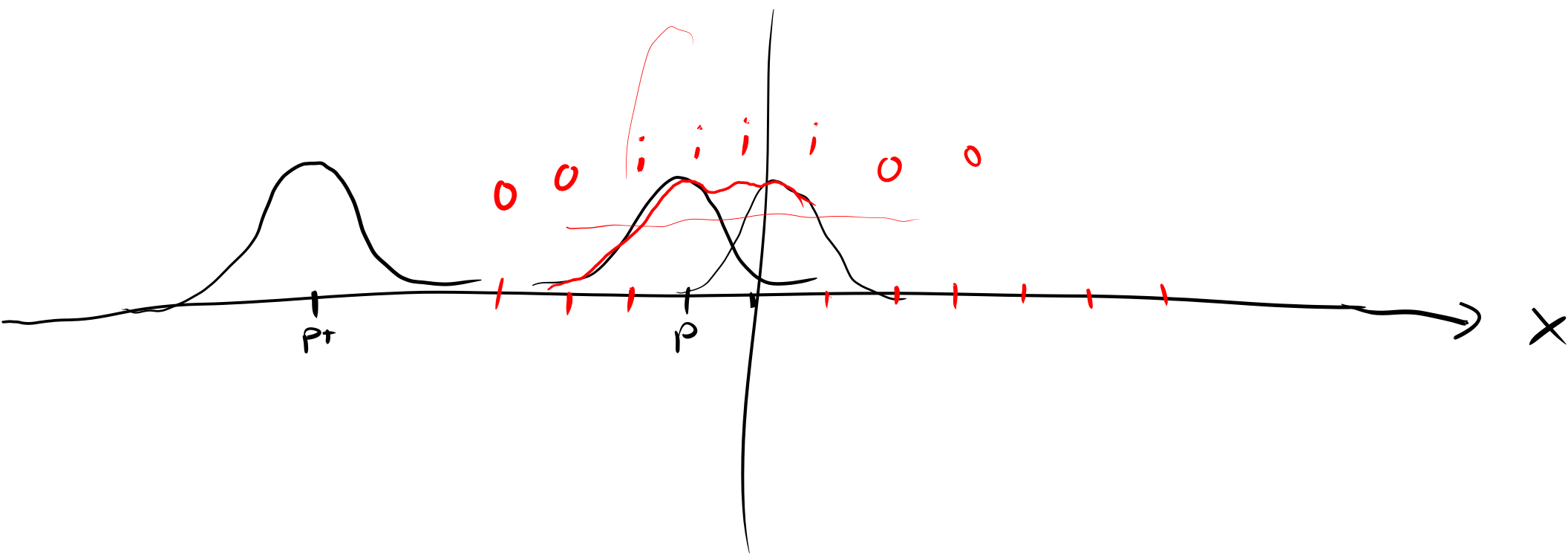
$$\frac{a \cdot b}{|a| \cdot |b|}$$

Iso surface
same

$$f(x, y, z) = \text{const}$$



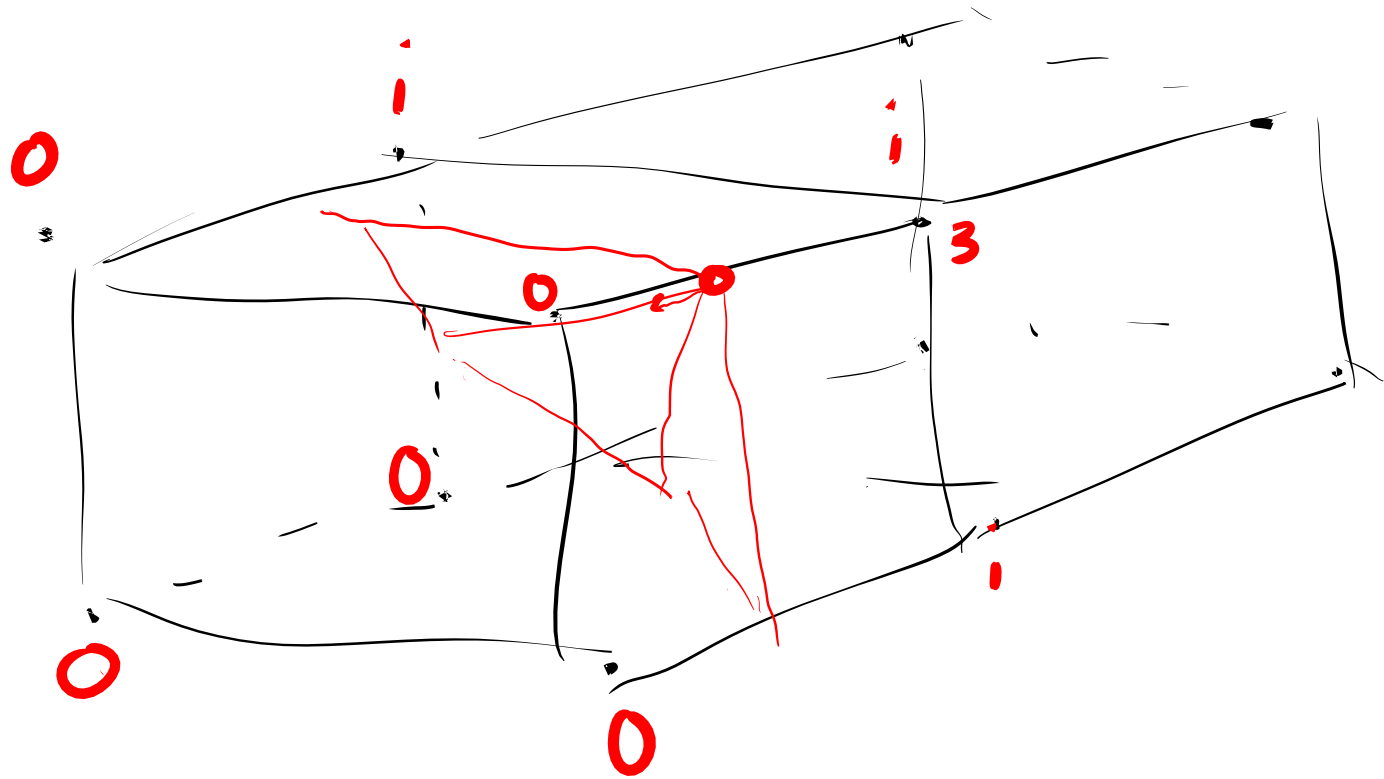
$f(x)$



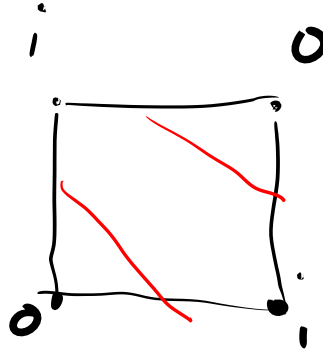
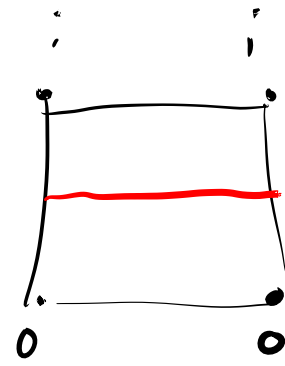
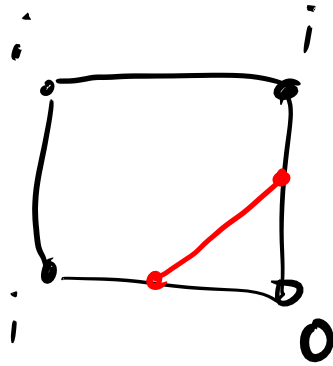
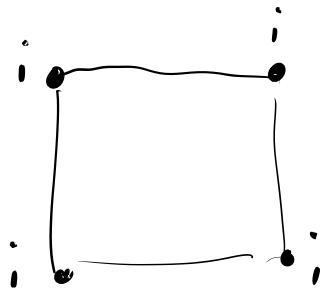
Marching Cubes

curloff = 1

2^8 possibilities



Marching Squares



R 6 B

FF 00 3A



α



Opacity

$$\frac{1}{4} + \frac{3}{4} \cdot \frac{1}{2} = \frac{5}{8} = \alpha$$



$$\alpha = \frac{1}{4}$$



$$\alpha = \frac{1}{2}$$

