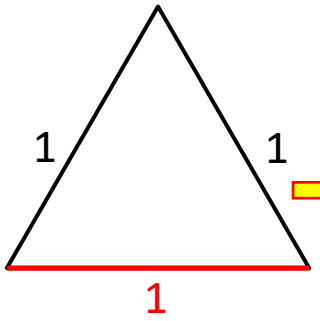
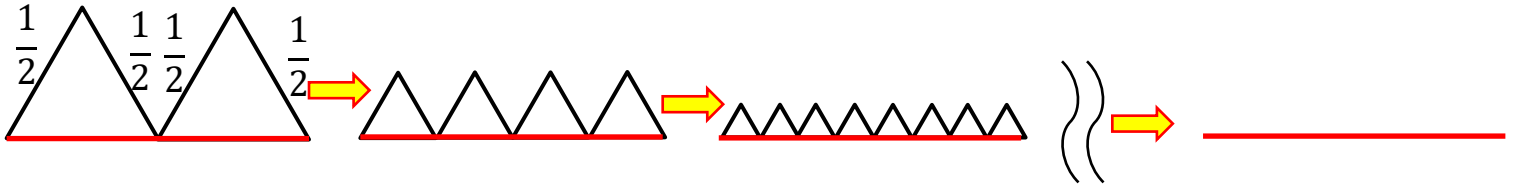
黒の辺の長さ＝1＋1＝2

底辺の長さは1



黒の辺の長さ＝$\frac{1}{2}$＋$\frac{1}{2}$＋$\frac{1}{2}$＋$\frac{1}{2}$＝2

底辺の長さは1



2＝1？

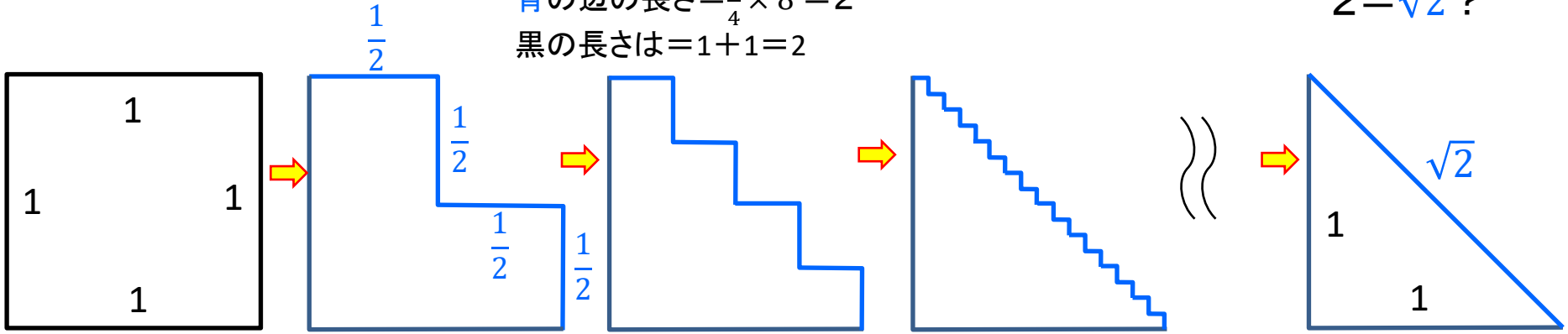
青の辺の長さ＝$\frac{1}{2}$＋$\frac{1}{2}$＋$\frac{1}{2}$＋$\frac{1}{2}$＝2

黒の長さは＝1＋1＝2

青の辺の長さ＝$\frac{1}{4}$×8＝2

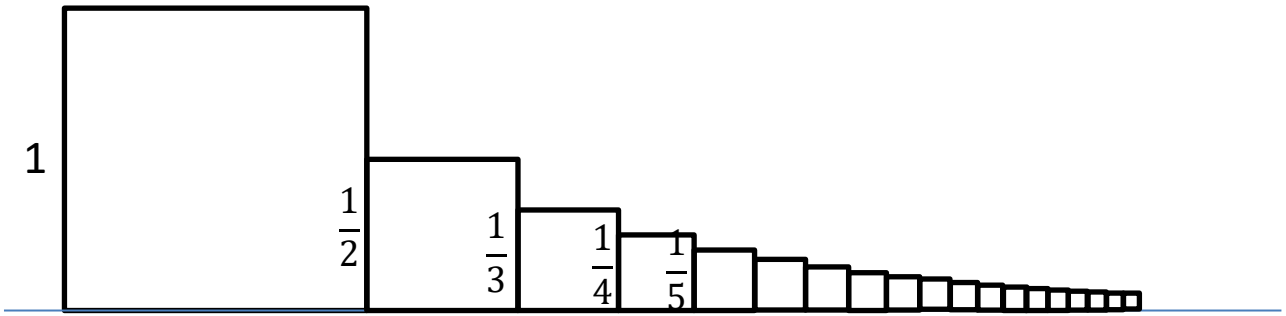
黒の長さは＝1＋1＝2

2＝$\sqrt{2}$？



$$\sum_{k=1}^{\infty}\frac{1}{k}=\frac{1}{1}+\frac{1}{2}+\frac{1}{3}+\frac{1}{4}+\frac{1}{5}+\frac{1}{6}+\cdots\rightarrow\infty$$

正方形の周囲の長さの和$=4\times\sum_{k=1}^{\infty}\frac{1}{k}\rightarrow\infty$



正方形の面積の和$=\sum_{k=1}^{\infty}\frac{1}{k^2}=\frac{1}{1^2}+\frac{1}{2^2}+\frac{1}{3^2}+\frac{1}{4^2}+\frac{1}{5^2}+\frac{1}{6^2}+\cdots\rightarrow\frac{\pi^2}{6}$

バーゼル問題