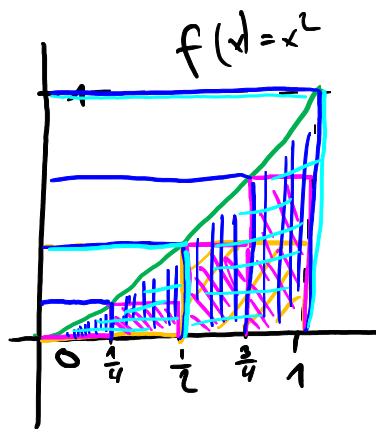


Aufgaben S.1

①



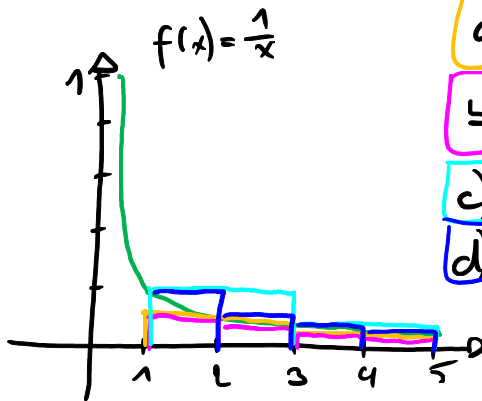
a) $0 + \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8} = 0.125$

b) $0 \cdot \frac{1}{4} + \frac{1}{16} \cdot \frac{1}{4} + \frac{1}{4} \cdot \frac{1}{4} + \frac{9}{16} \cdot \frac{1}{4} = \frac{7}{32} = 0.21875$

c) $\frac{1}{2} \cdot \frac{1}{4} + 1 \cdot \frac{1}{2} = 0.625$

d) $\frac{1}{16} \cdot \frac{1}{4} + \frac{1}{4} \cdot \frac{1}{2} + \frac{9}{16} \cdot \frac{1}{4} + 1 \cdot \frac{1}{4} = \frac{17}{32} = 0.53125$

③



a) $2 \cdot \frac{1}{3} + 2 \cdot \frac{1}{5} = \frac{16}{15} = 1.066$

b) $1 \cdot \frac{1}{2} + 1 \cdot \frac{1}{3} + 1 \cdot \frac{1}{4} + 1 \cdot \frac{1}{5} = \frac{77}{60} = 1.2833$

c) $2 \cdot 1 + 2 \cdot \frac{1}{3} = \frac{8}{3} = 2.66$

d) $1 \cdot 1 + 1 \cdot \frac{1}{2} + 1 \cdot \frac{1}{3} + 1 \cdot \frac{1}{4} = \frac{25}{12} = 2.0833$

