(a) $A_h(0,2) \approx 5.2528$ when $n = 50$.
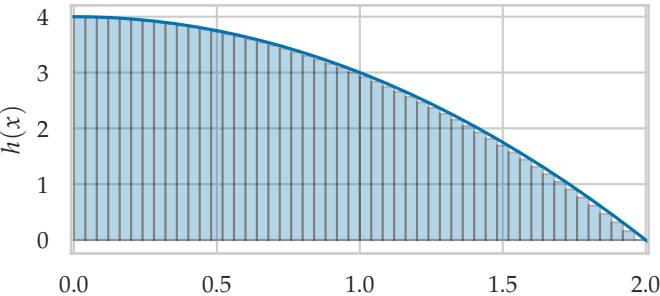
(b) $A_h(0,2) \approx 5.2932$ when $n = 100$.