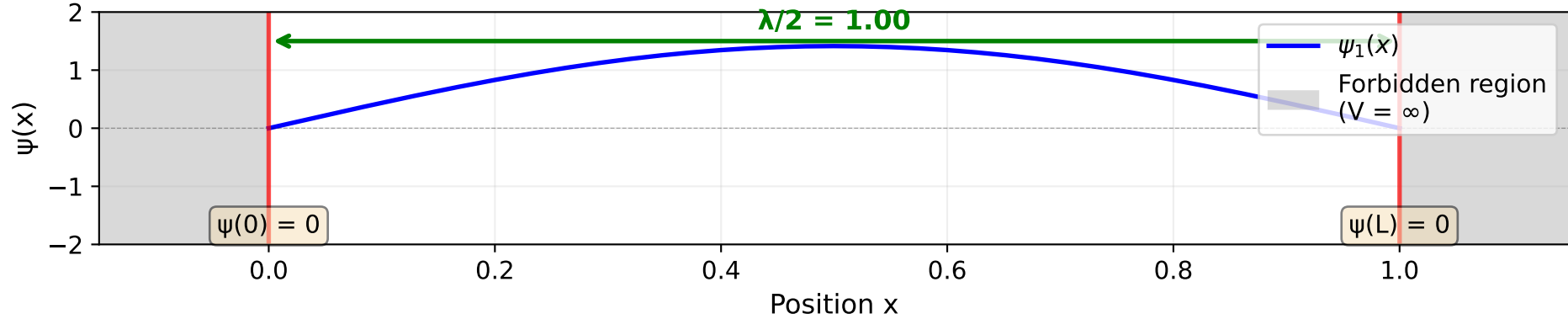
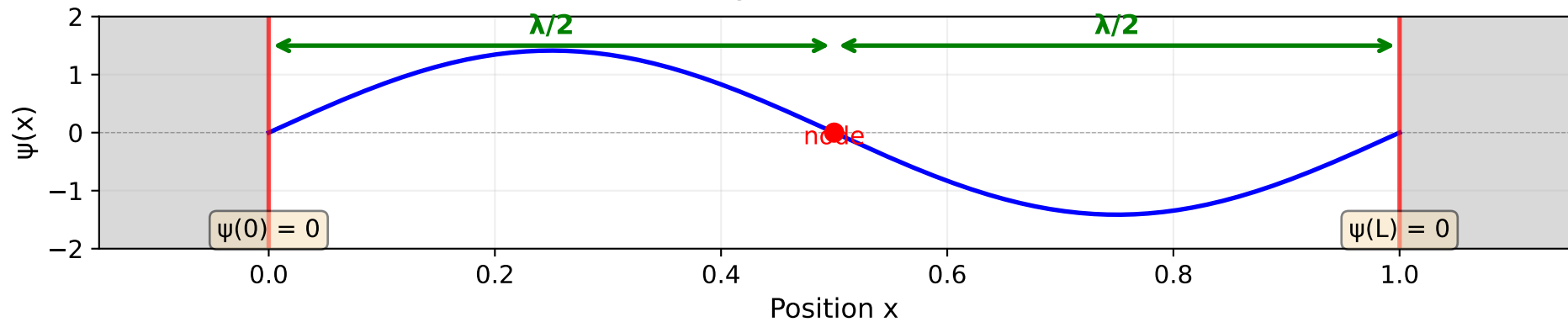


Standing waves in a box: Only integer half-wavelengths fit

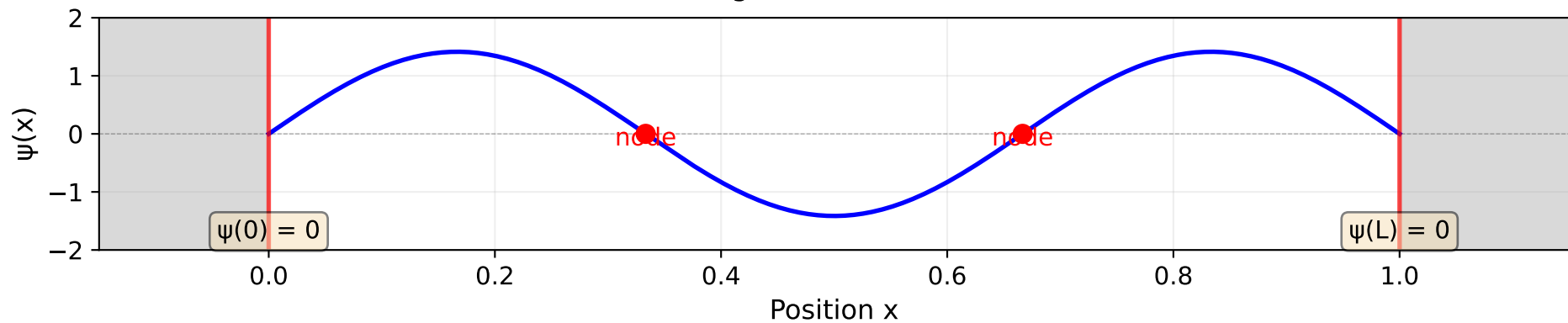
$n = 1$: 1 half-wavelength(s), $\lambda = 2.00L$, 0 interior node(s)



$n = 2$: 2 half-wavelength(s), $\lambda = 1.00L$, 1 interior node(s)



$n = 3$: 3 half-wavelength(s), $\lambda = 0.67L$, 2 interior node(s)



$n = 4$: 4 half-wavelength(s), $\lambda = 0.50L$, 3 interior node(s)

