

$$\lambda = 0$$

$$L = L_r = \Delta$$

$$(13) \quad L = d^2/dx^2 + k^2 = \\ = L_r + \lambda$$

$$(15) \quad L \phi_n = (d^2/dx^2 + k_n^2) \phi_n = 0.$$

$$\phi_n(0) = \phi_n(\ell) = 0.$$

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$$\lambda_1, \lambda_2, \dots, \lambda_n, \dots$$