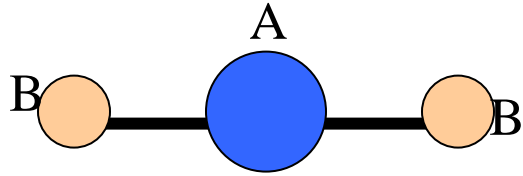


Homework 5

1. Consider this type of linear triatomic molecule: AB_2 : Find the states wavefunctions and energies following example in the text for diatomic molecule. Assume that only the nearest neighbors interact.



2. Consider the two-dimensional rectangular potential well of size $a \times b$ well with infinitely high walls. Find the wavefunctions and energies.