



Figure 3: Schematic representation of stacking between multiple layers forming covalent 2c-2e bonds. (a) schematic bilayer for Fig.2b arising from zero HD mono-layer. (b) trilayer. The middle layer maintains the BD of $1/3$ by forming bonds with upper- and lower- layers. The outside layers can adopt a HD of $1/18$ to maintain the same electron count. The green lines imply borophene layers and the blue lines are for 2c-2e B-B bonds. (c) tetralayer. The two inside layers maintain the BD of $1/3$ by forming bonds with the adjacent upper- and lower- layers. The two outside layers (top and bottom) adopt a HD of $1/18$ to maintain the same electron count. (d) pentalayer (e) van der Waals stacking of trilayers.