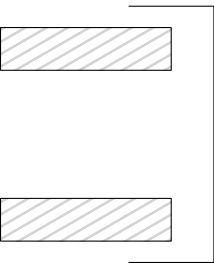




Empty band



$4N$  electrons



$10N$  electrons