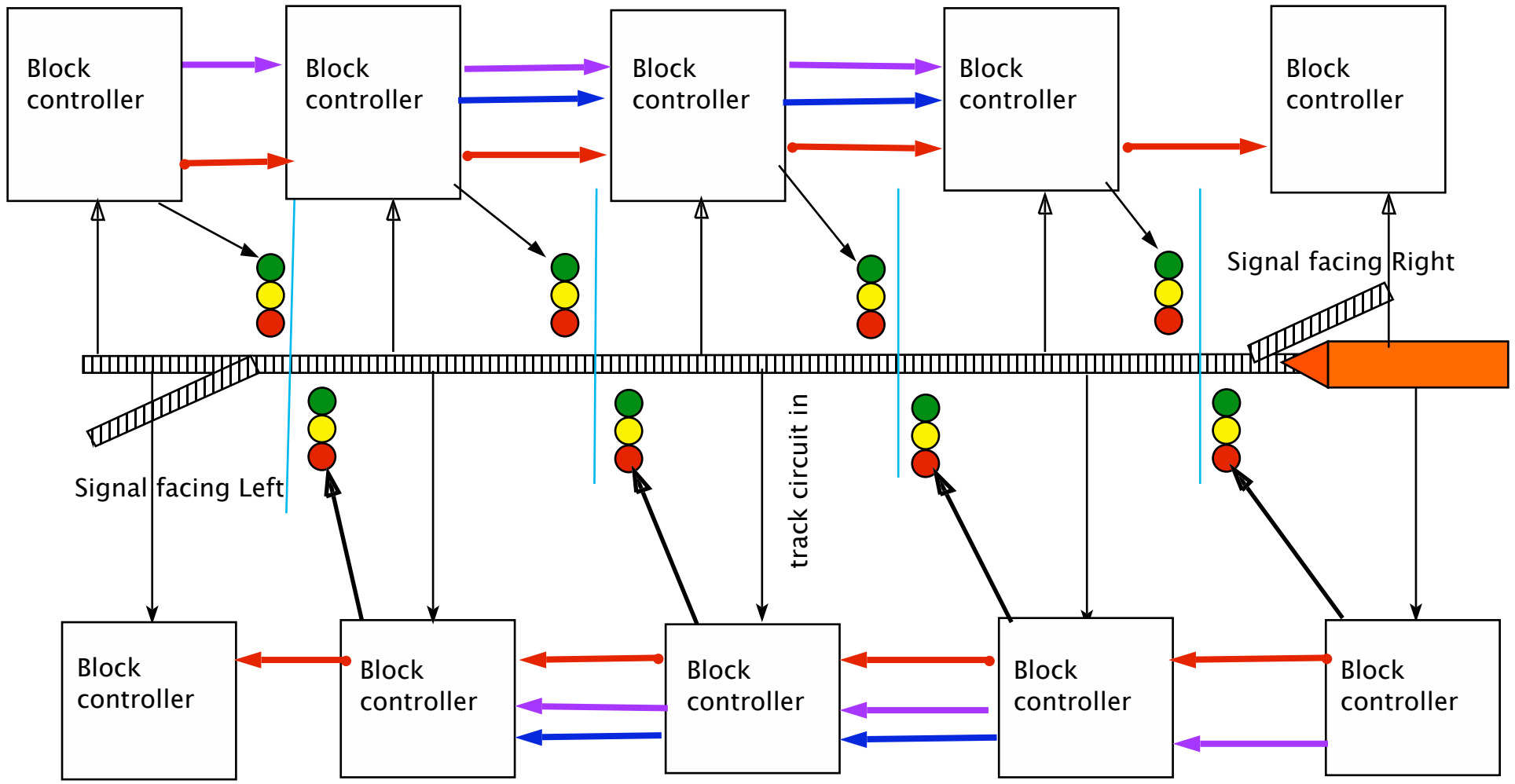





block diagram for Bi-directional and Tumble down



-  Red and Yellow signal wires between controllers
-  block detect (BD) active to next block - each block sends its block occupied signal to it neighbor
 This is used to tell direction of train - which block did it come from
-  Tumble down (TD) signal - sent when train enters first block after siding -
 only the blocks in the middle need this circuit
 Tumble down direction is sent in same direction of train travel to force red on all signals facing the other direction for any on coming train from next passing siding .