The first tree is not red black tree because from root to null number of blacks must be equal this condition is not satisfied by the tree.

The second tree is not red black tree because from root to null number of blacks must be equal which is not satisfied in the given tree.

The third tree is red black tree because to become red black the conditions are:

Root must be black - satisfied

Every right side link must be black - satisfied

No continuous red links - satisfied

Number of blacks links from root to null must be equal - satisfied.

The fourth tree is red black tree because to become red black the conditions are:

Root must be black - satisfied

Every right side link must be black - satisfied

No continuous red links - satisfied

Number of blacks links from root to null must be equal - satisfied.