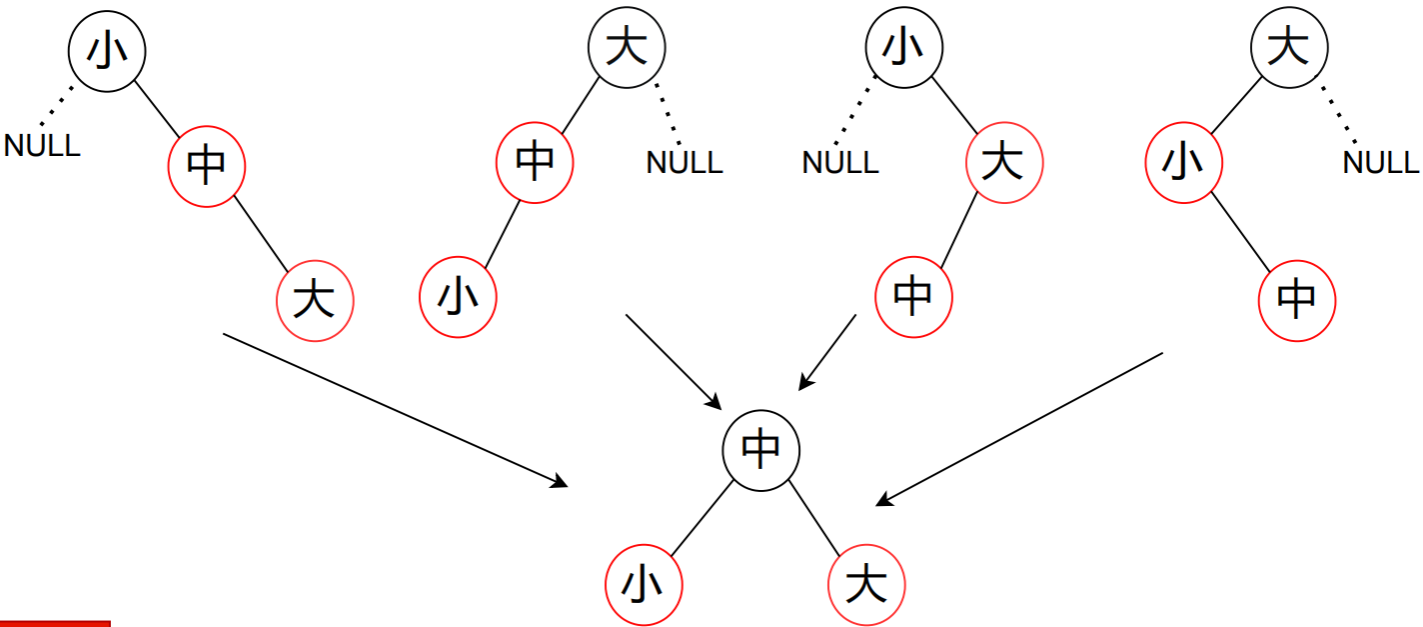


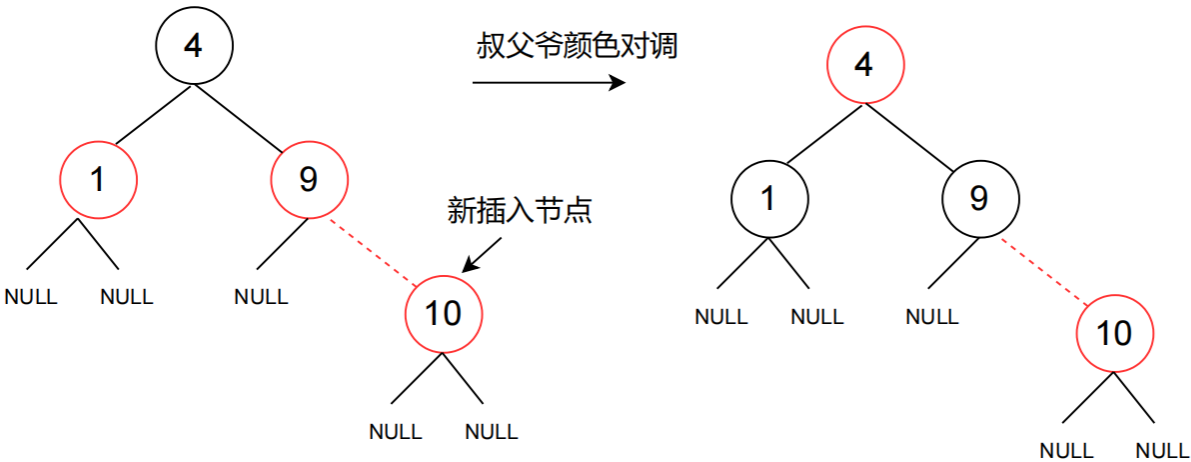
红黑树判定：左根右，根叶黑，不红红，黑路同

规则

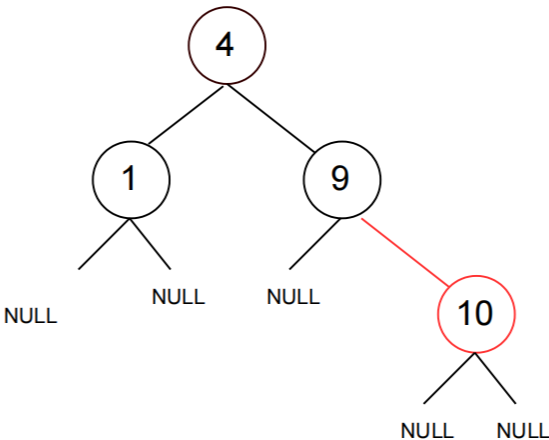
- 1 红叔：叔父爷色对调，爷视为新节点
- 2 黑叔：爷父孙调整



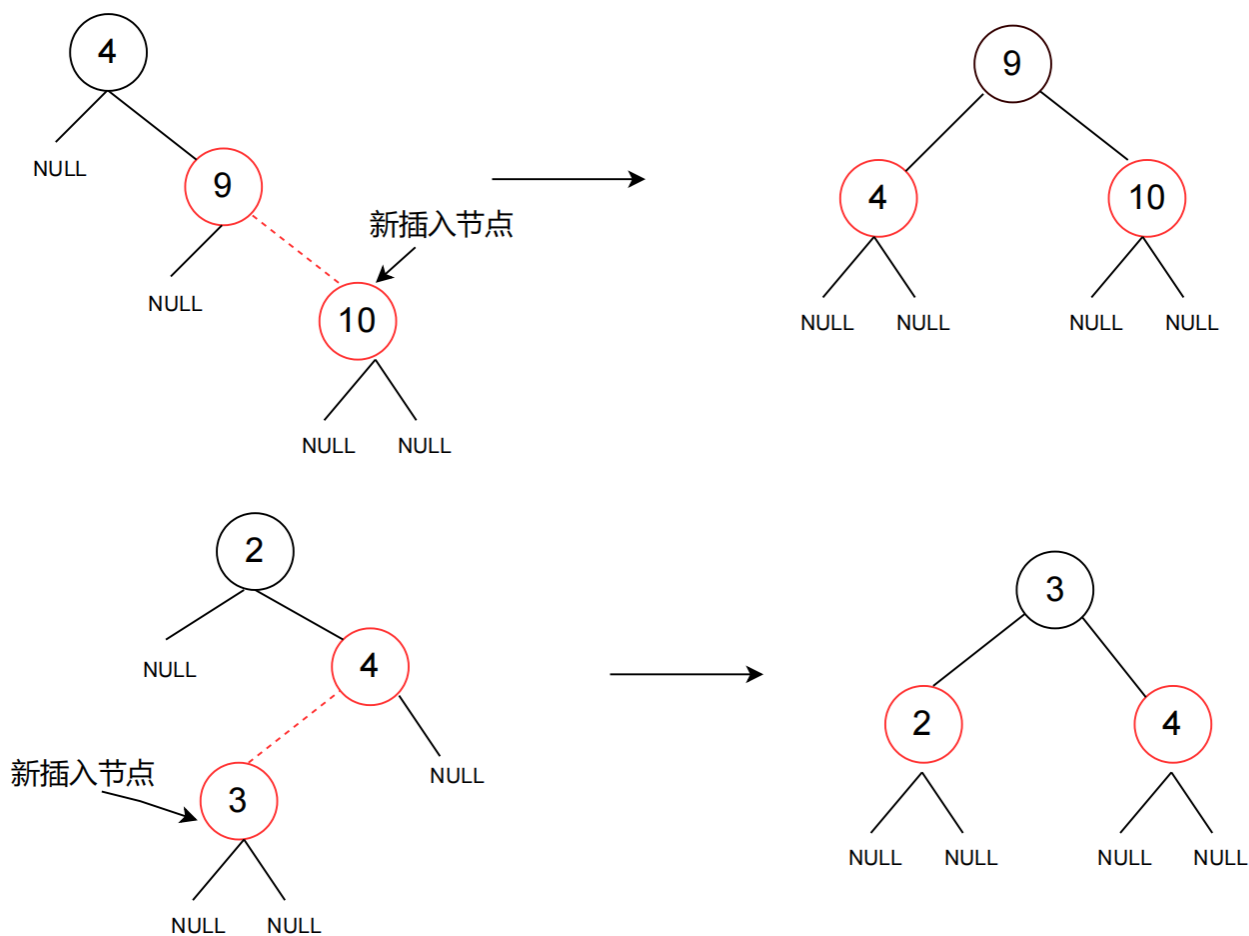
红叔



爷视为新节点，满足根叶黑



黑叔



练习

20, 10, 5, 30, 40, 57

练习

1, 2, 3, 4, 5, 6, 7

