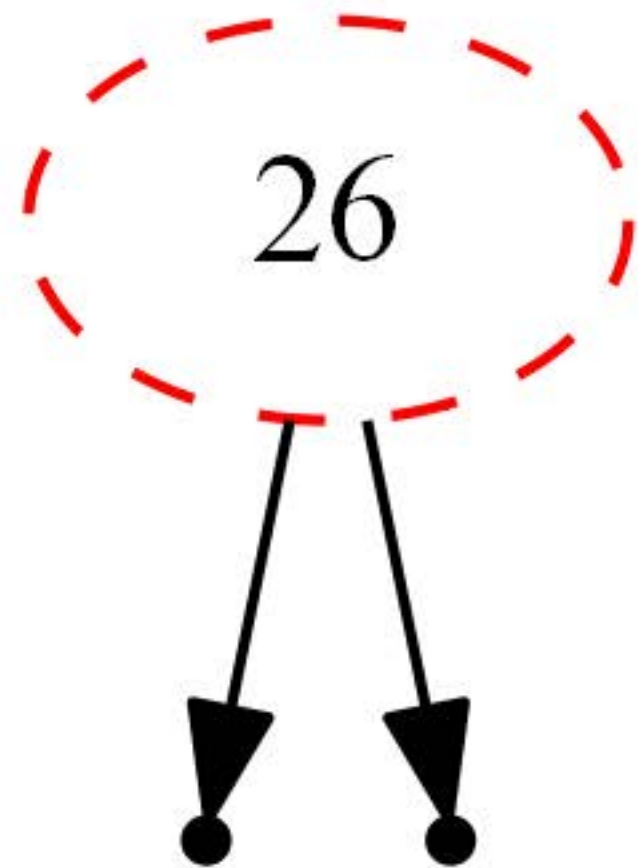
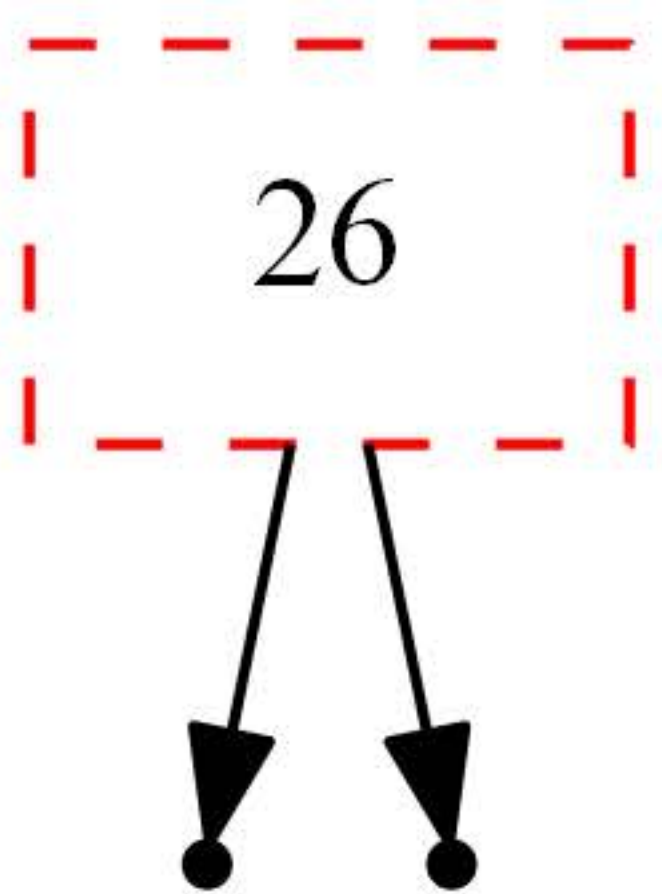


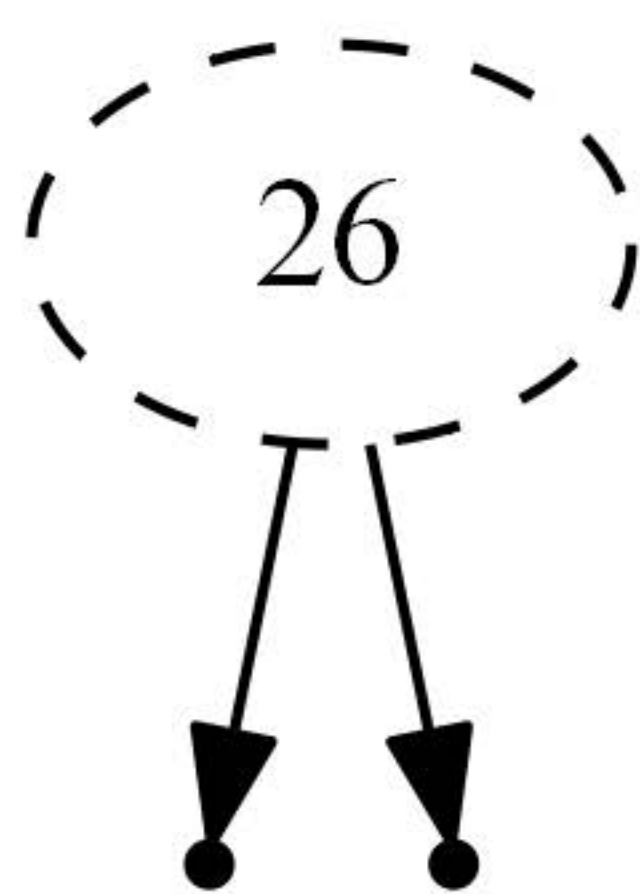
Insert26-After-top-down-pass



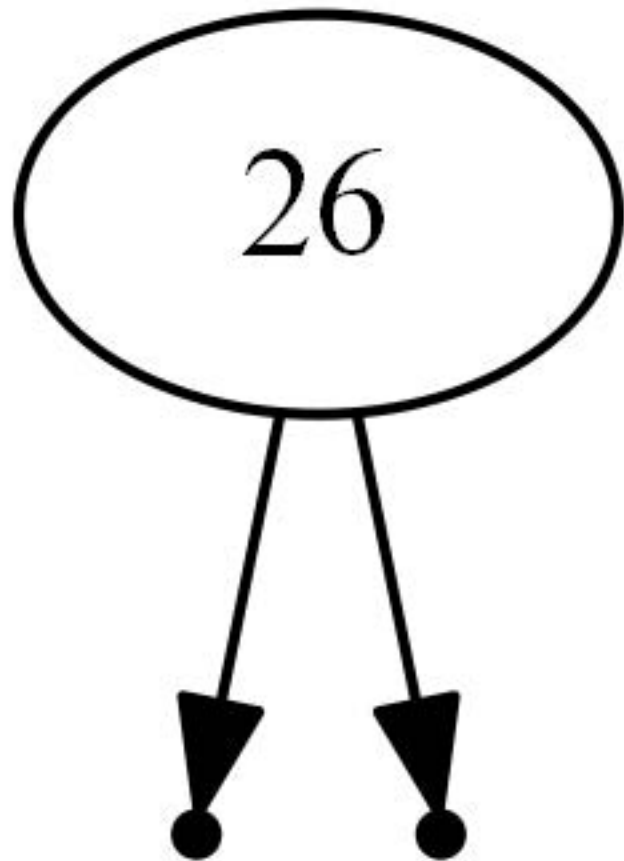
Parent is Black. Terminate bottom-up pass.



Insert26-After-Bottom-up-pass

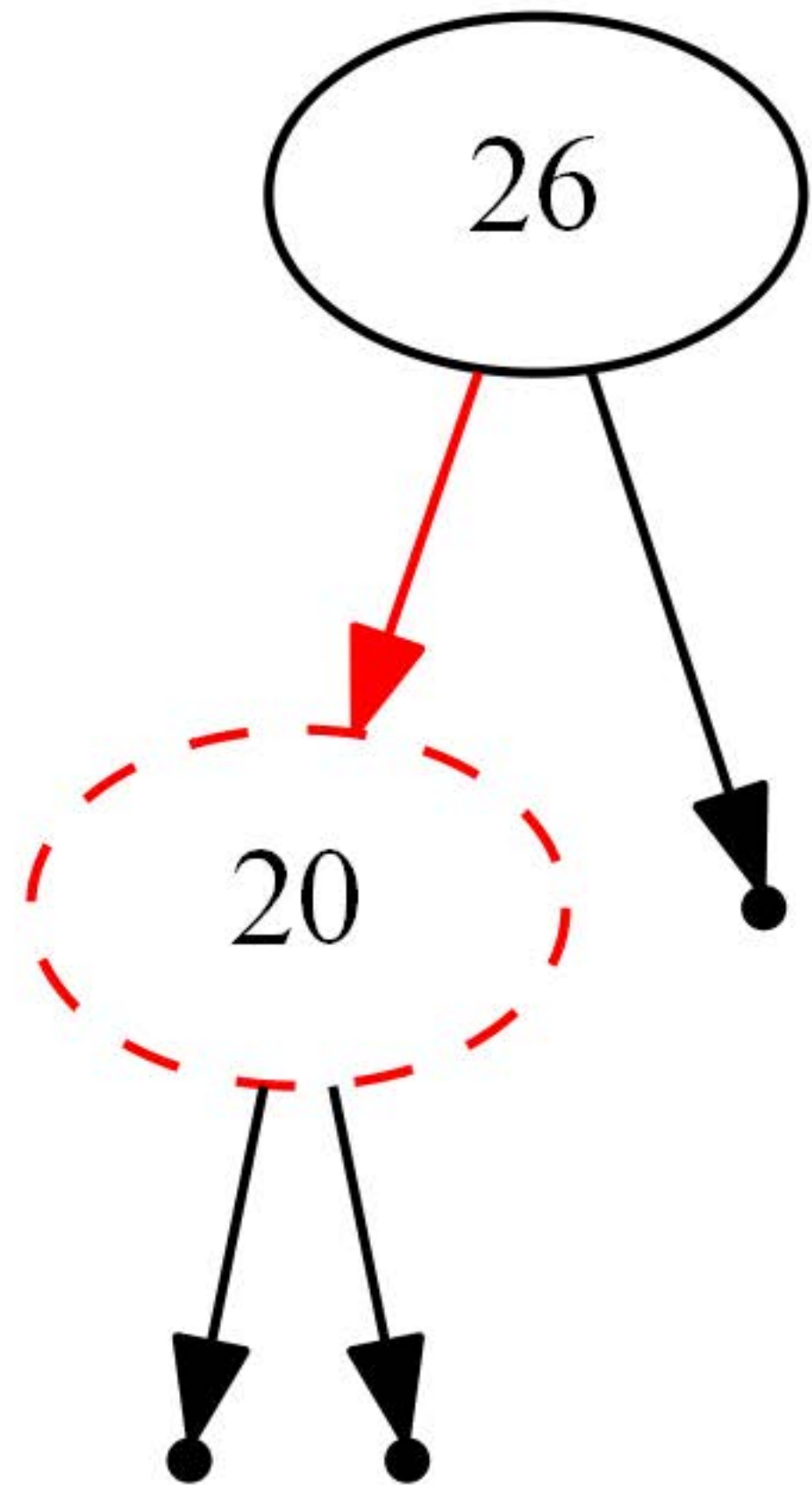


Insert20-Start

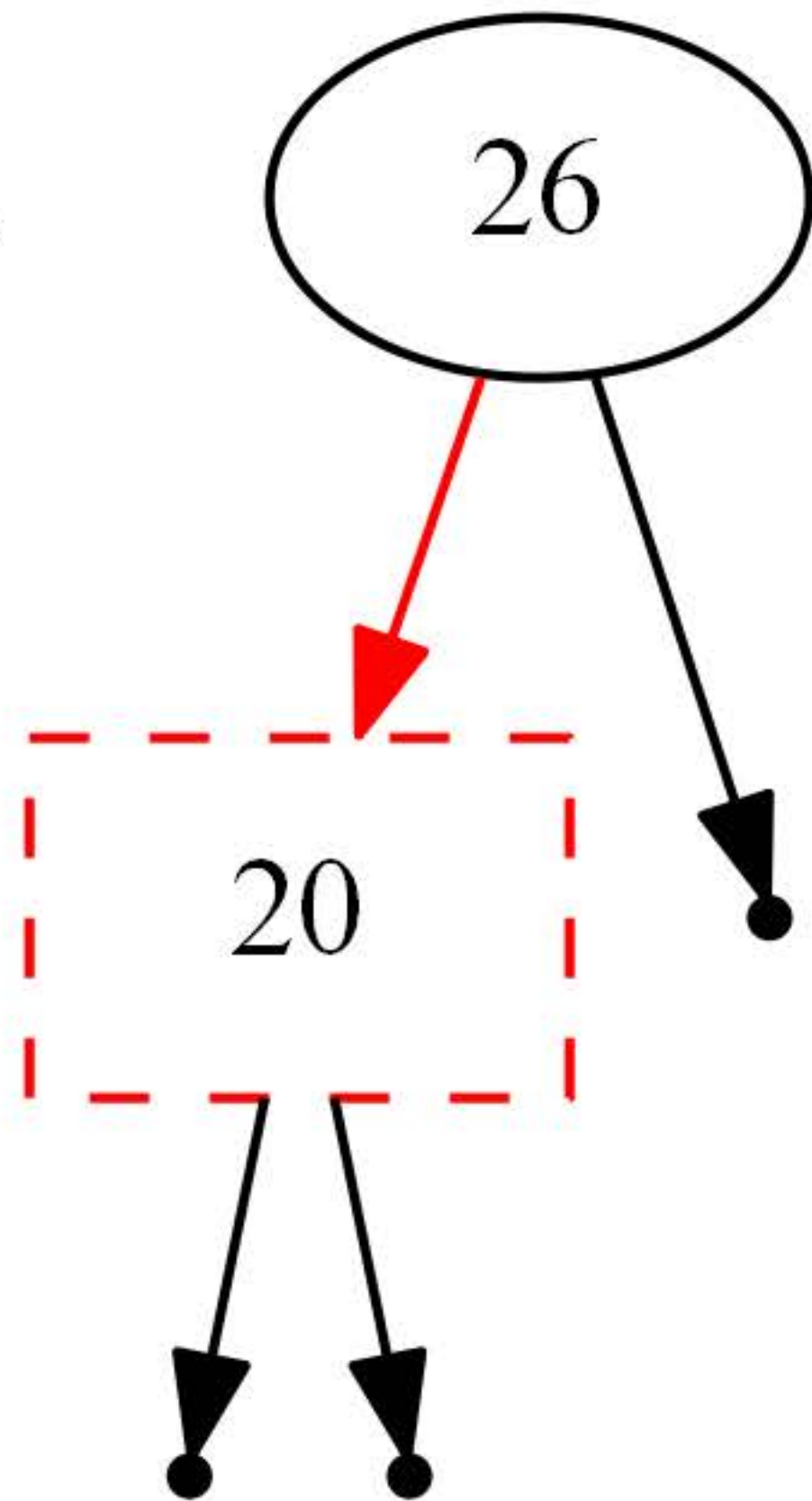




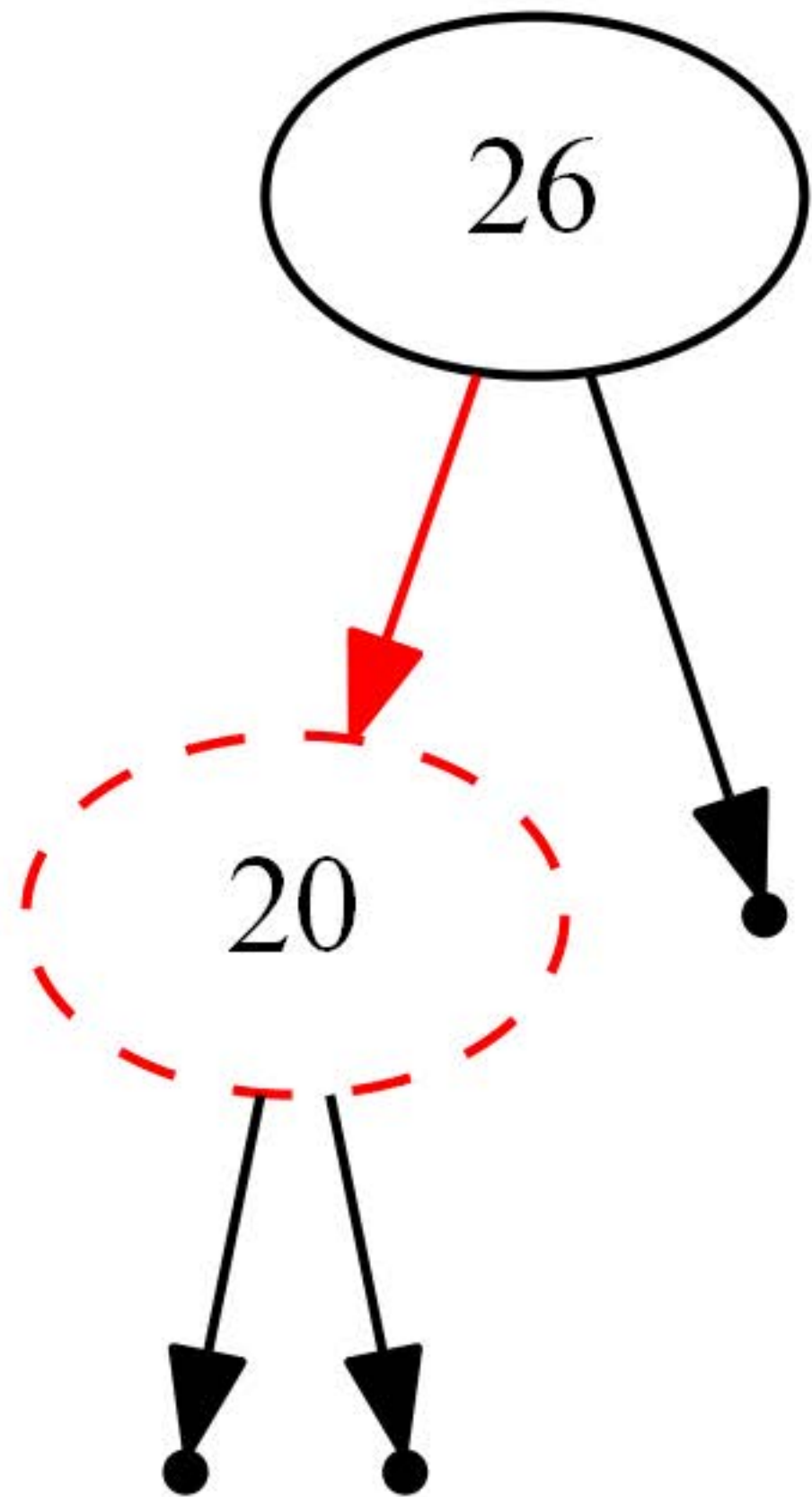
Insert20-After-top-down-pass



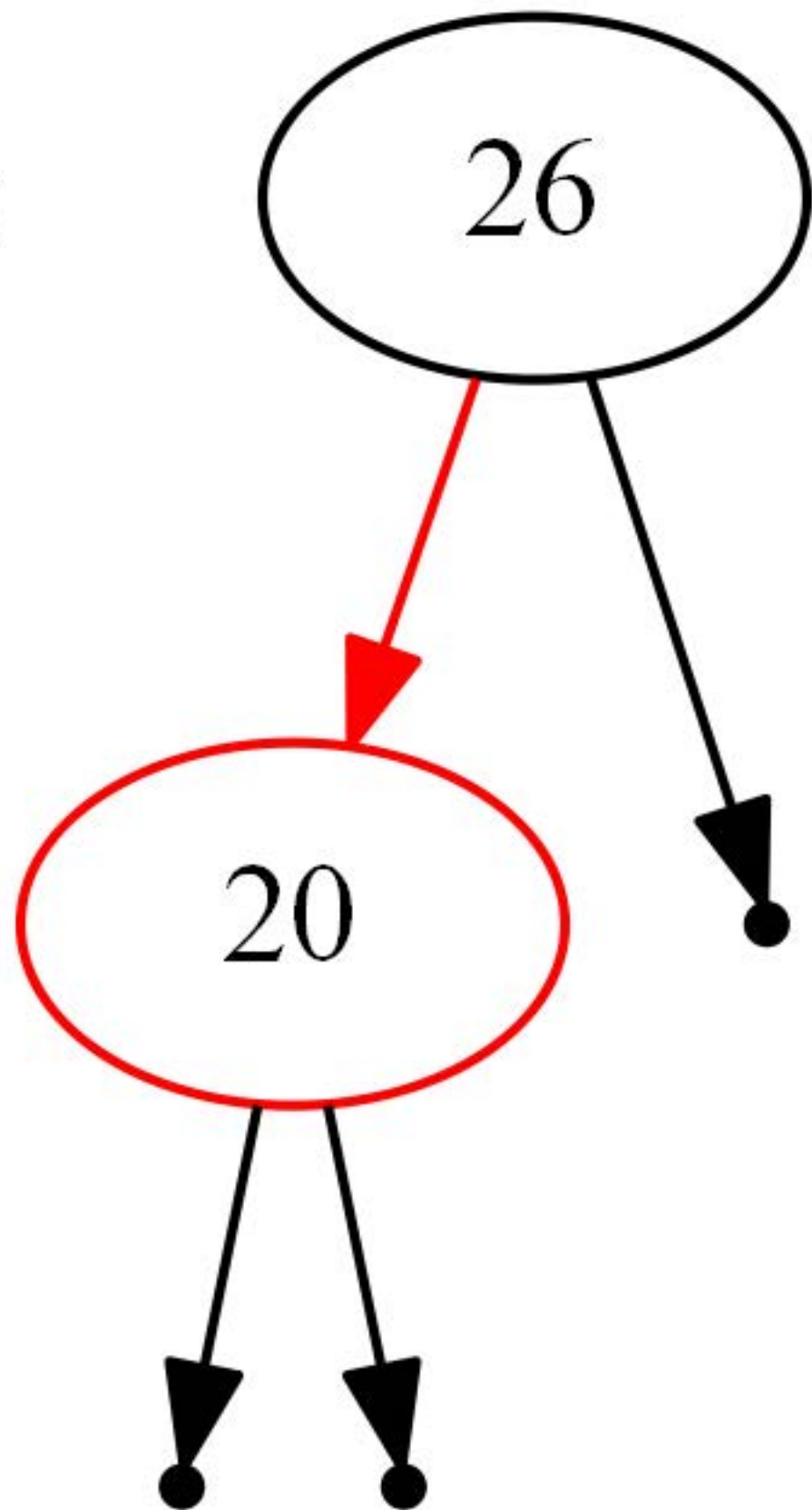
Parent is Black. Terminate bottom-up pass.



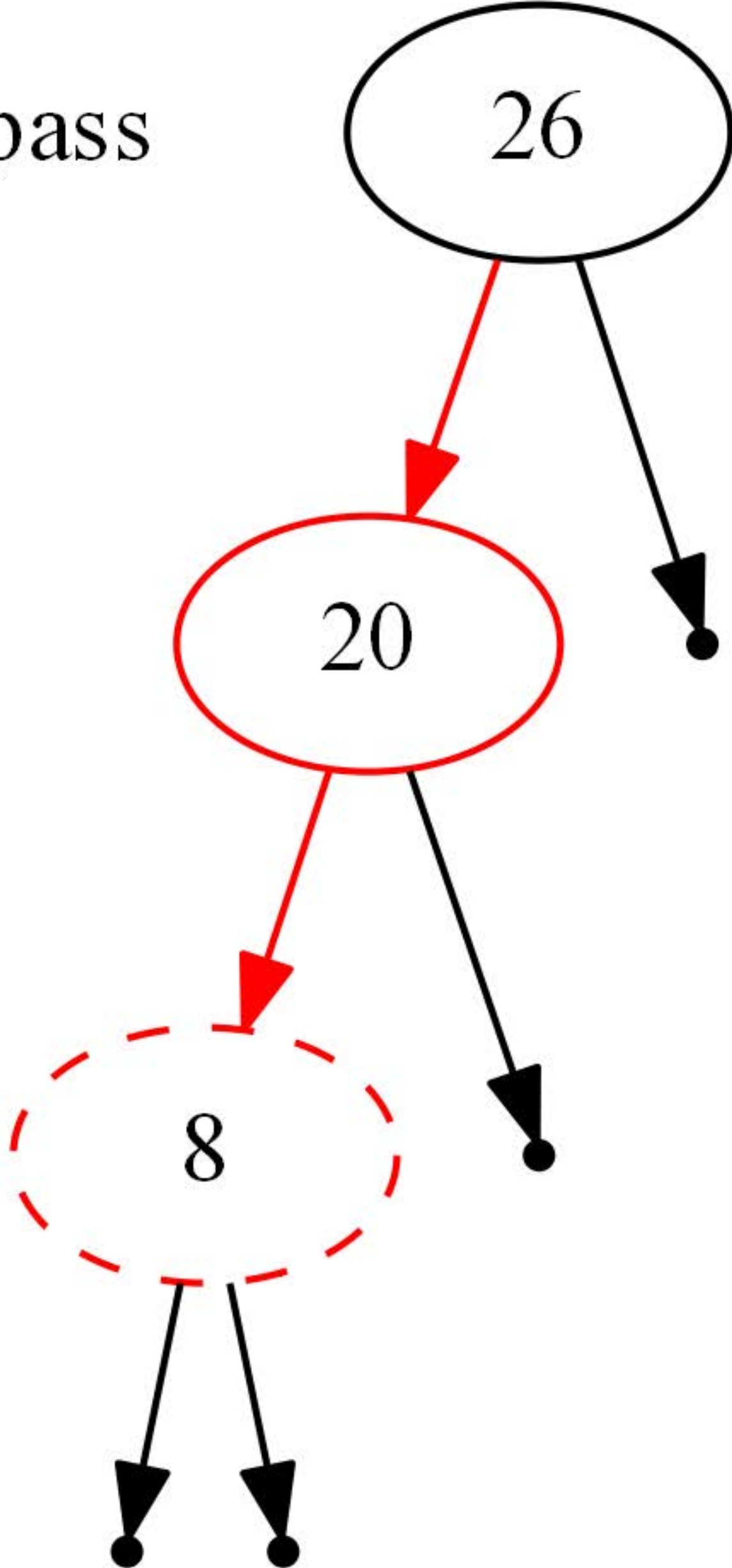
Insert20-After-Bottom-up-pass



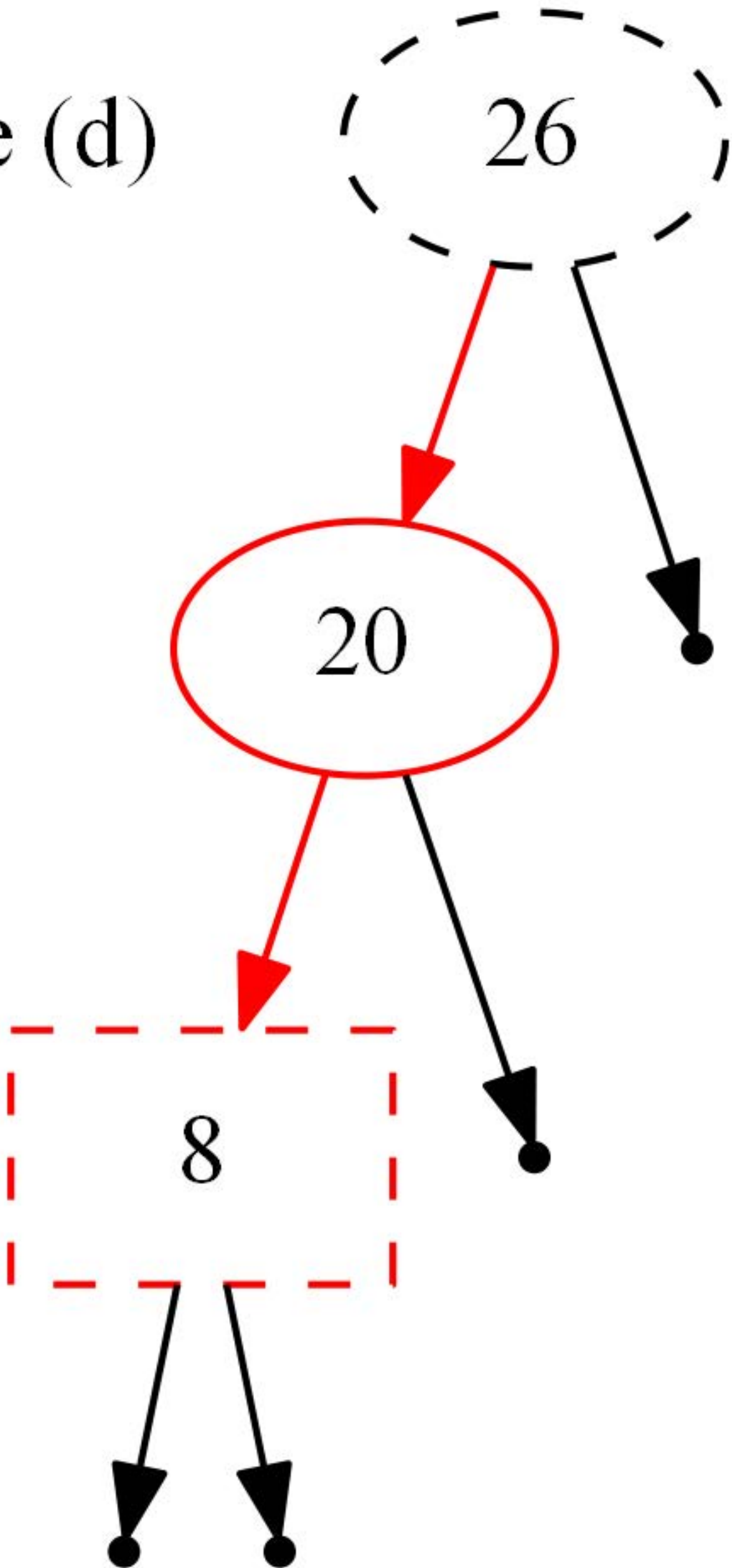
Insert8-Start



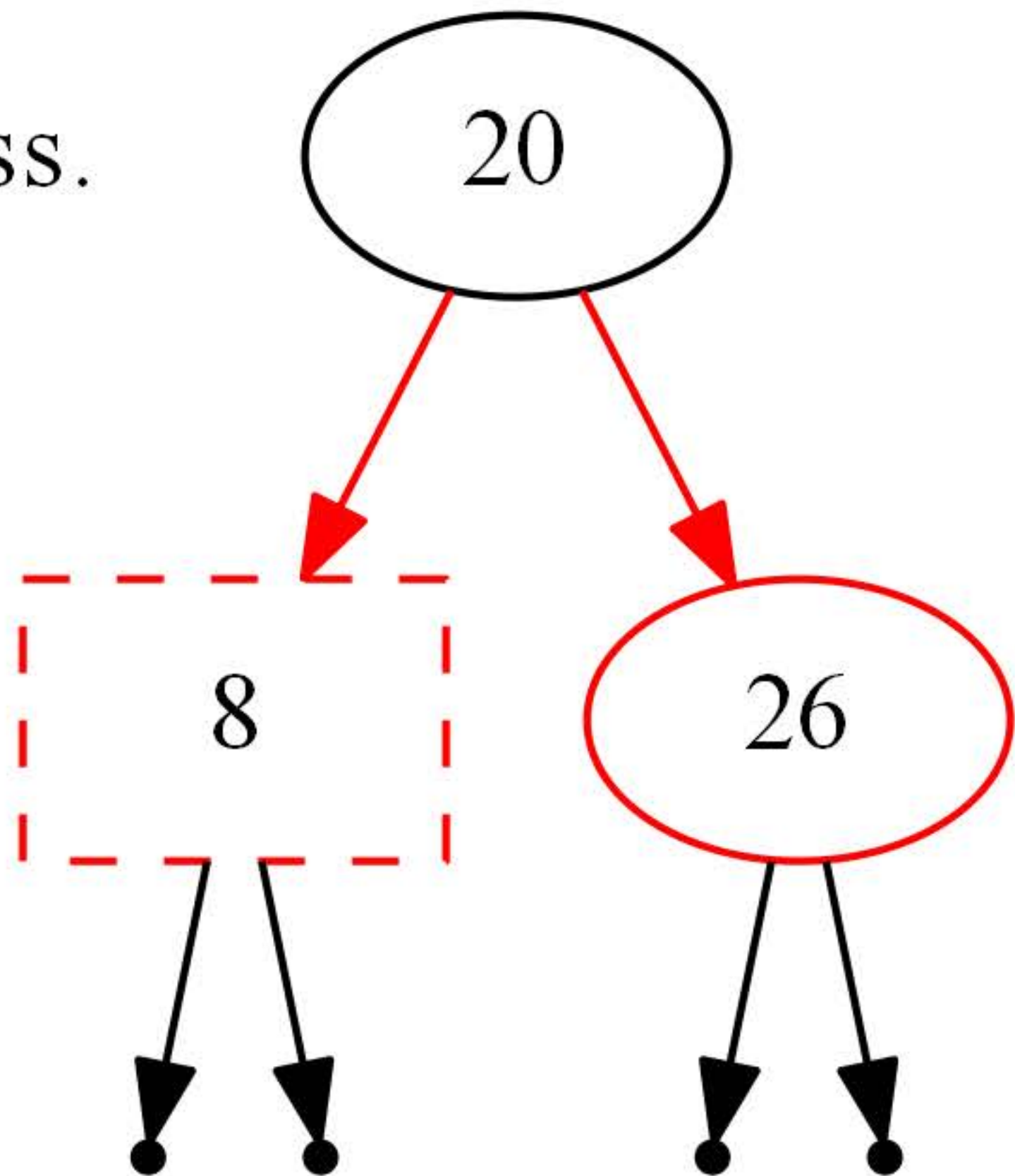
# Insert8-After-top-down-pass



Rule (d)

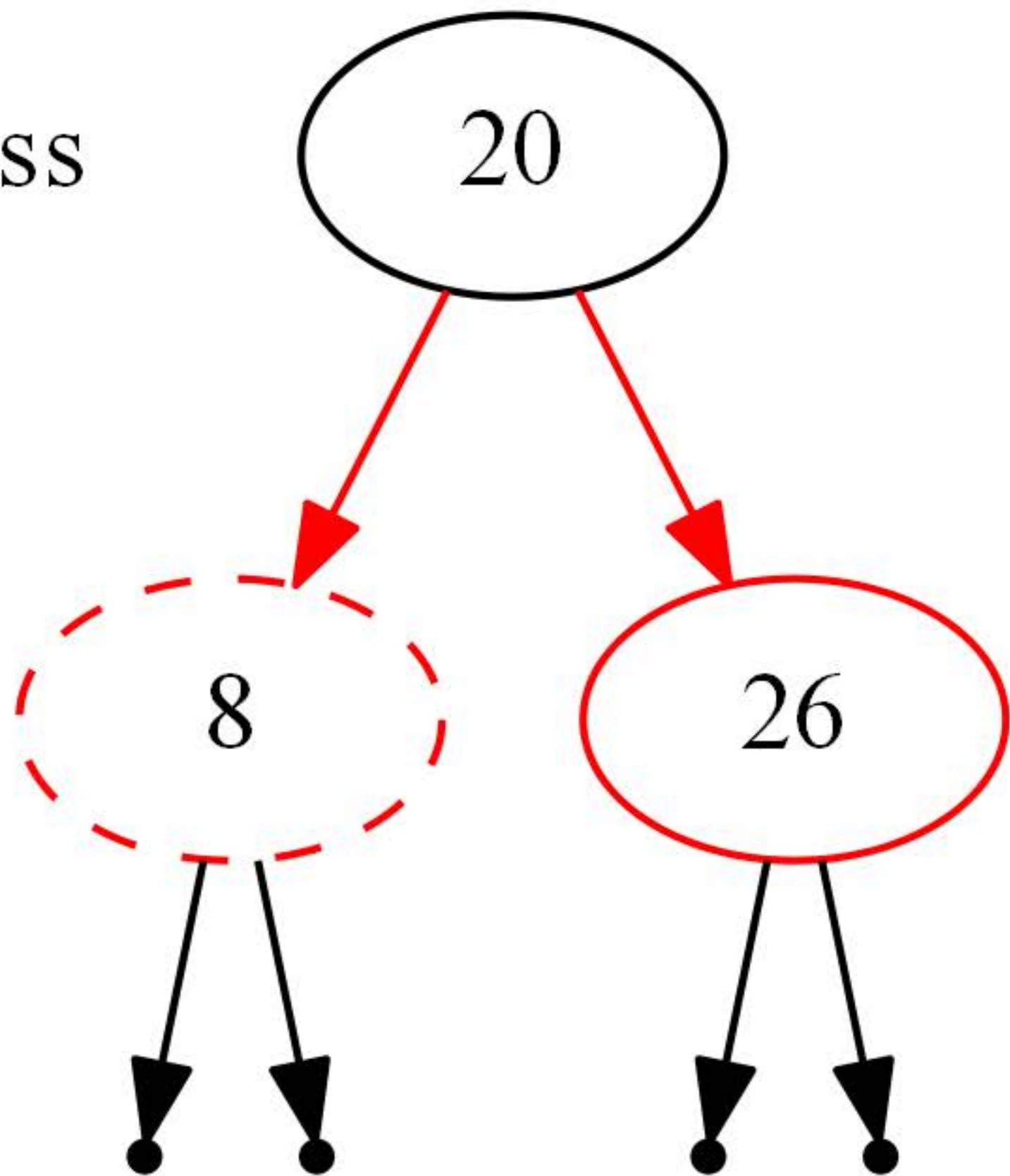


Parent is Black. Terminate buttom-up pass.



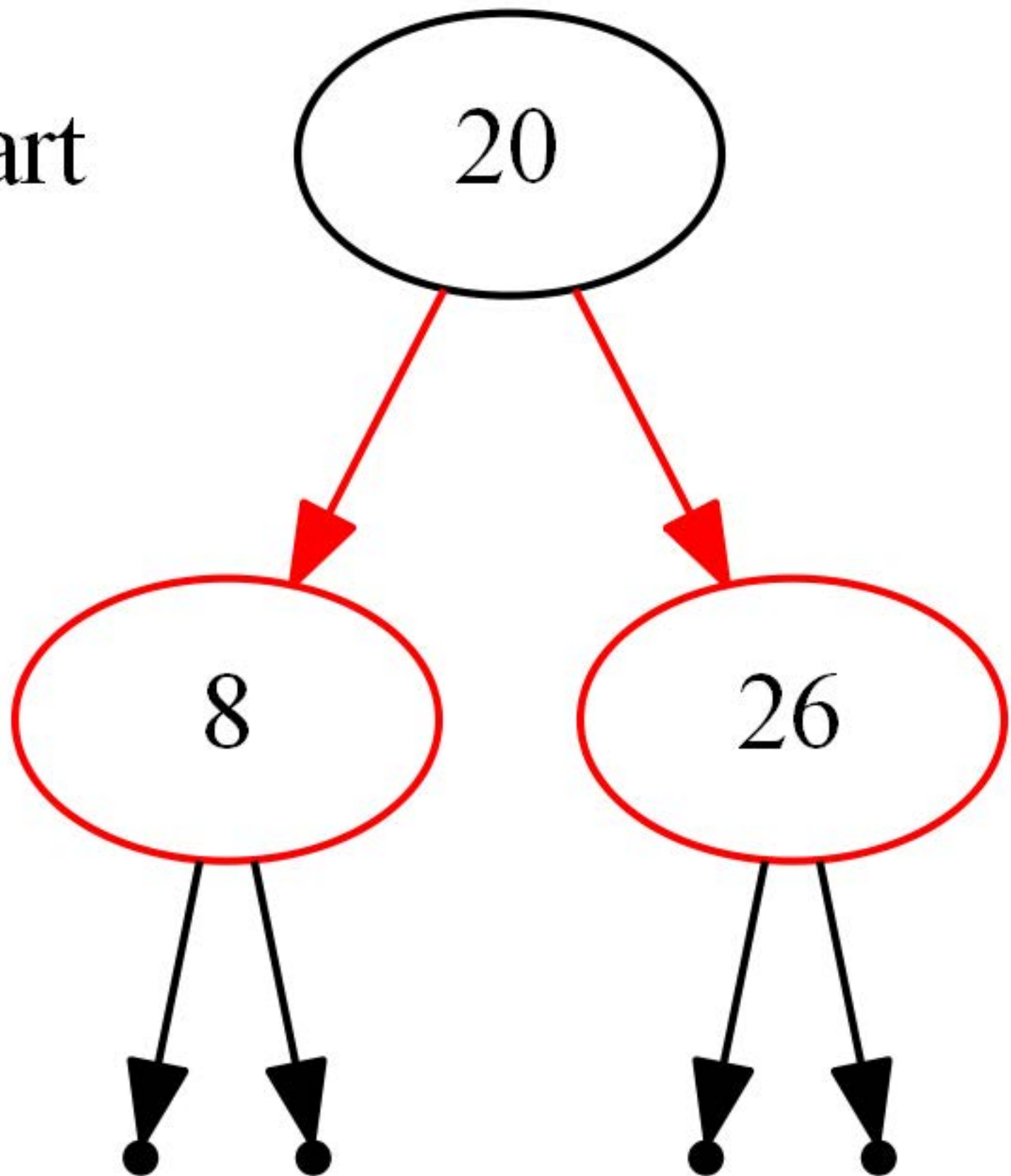


Insert8-After-Bottom-up-pass

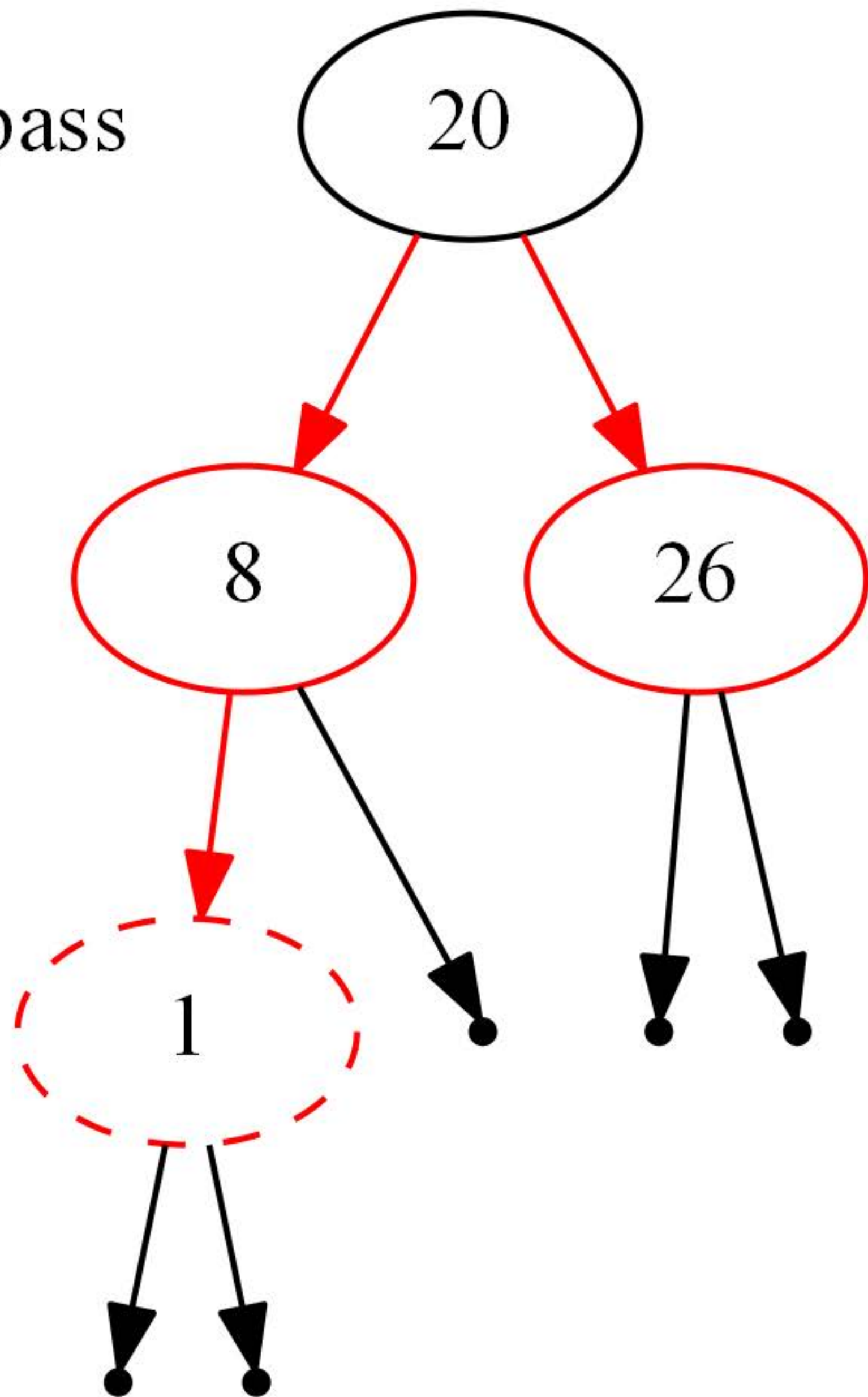




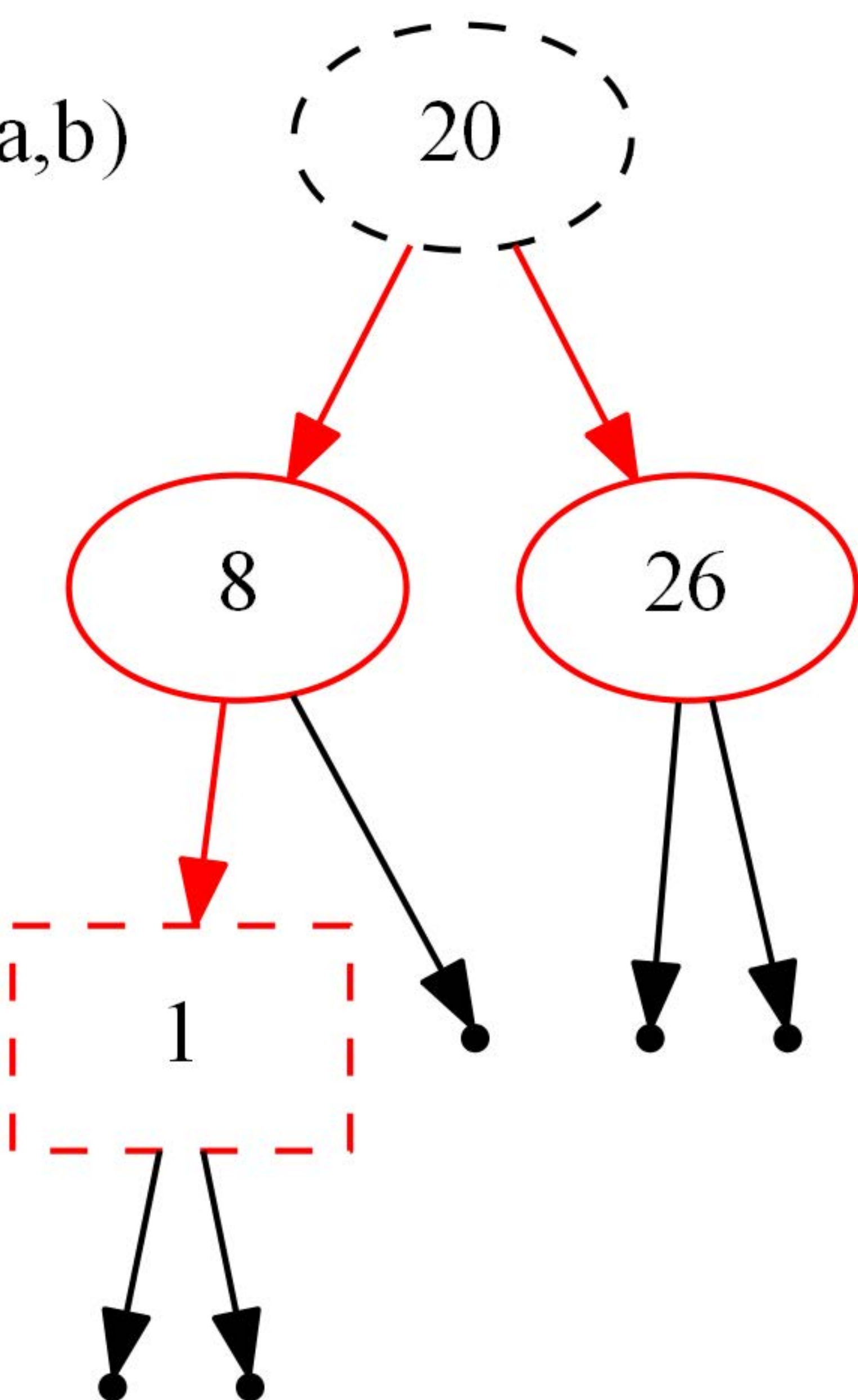
Insert1-Start



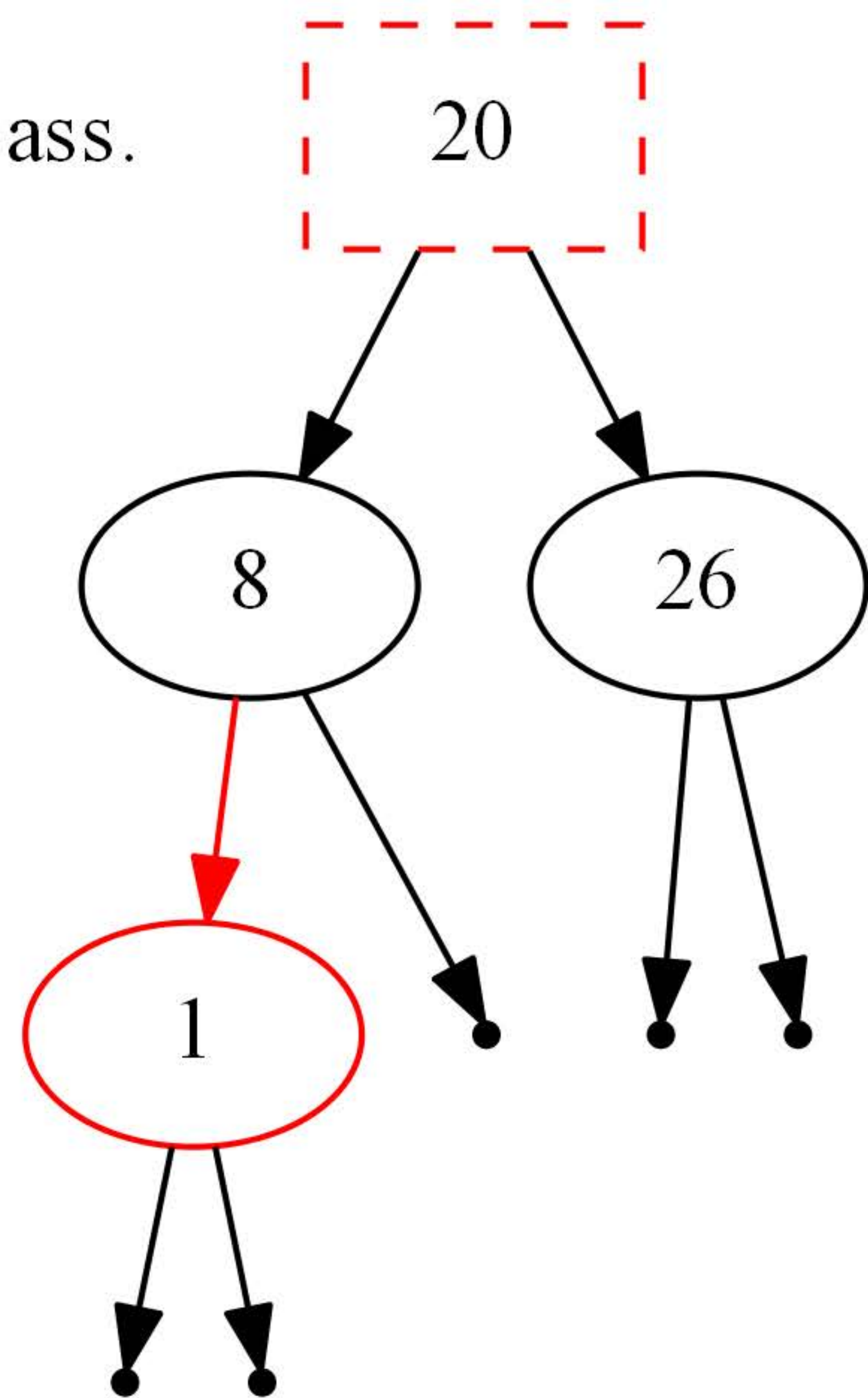
Insert1-After-top-down-pass



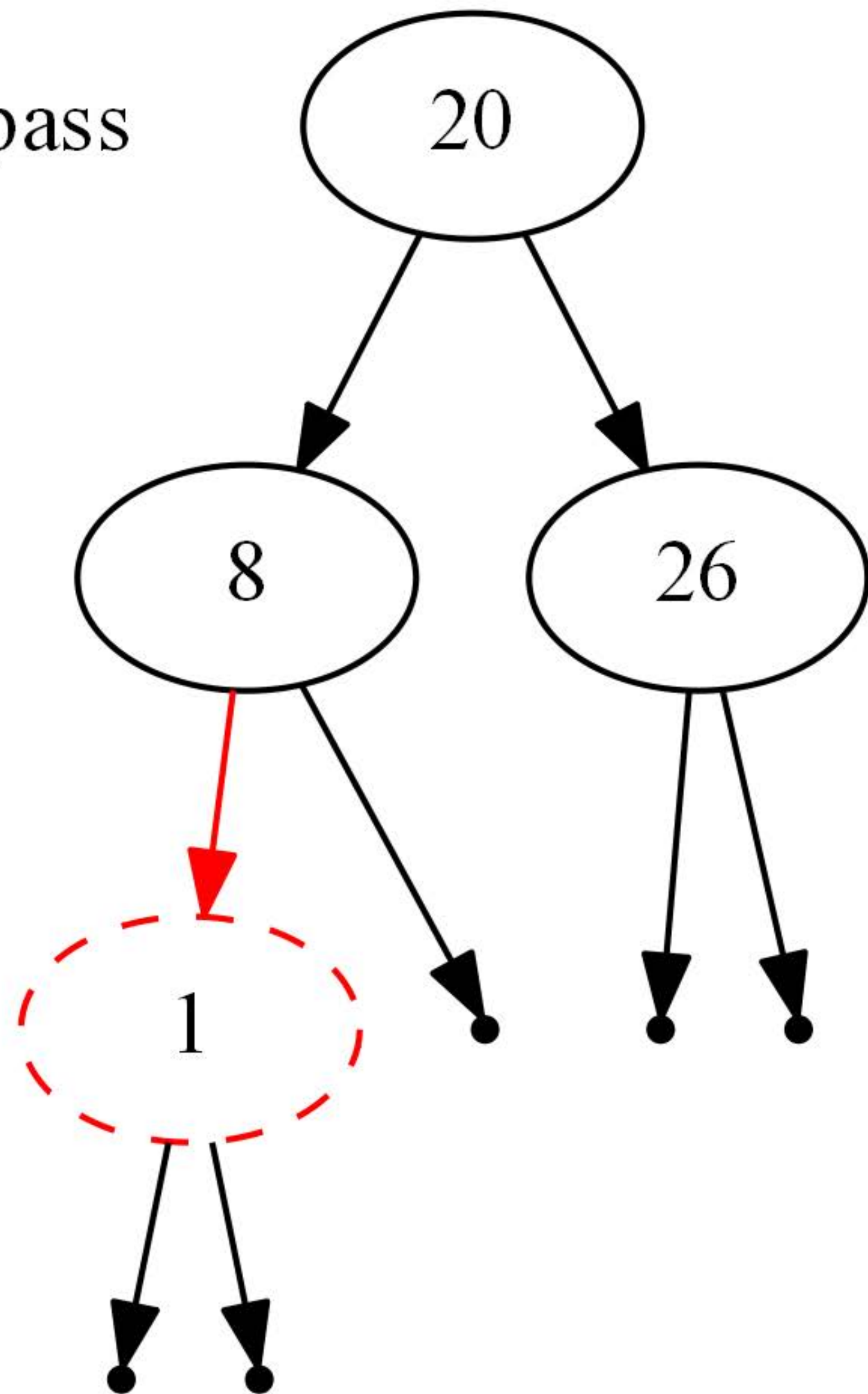
Rule (a,b)



Parent is Black. Terminate bottom-up pass.

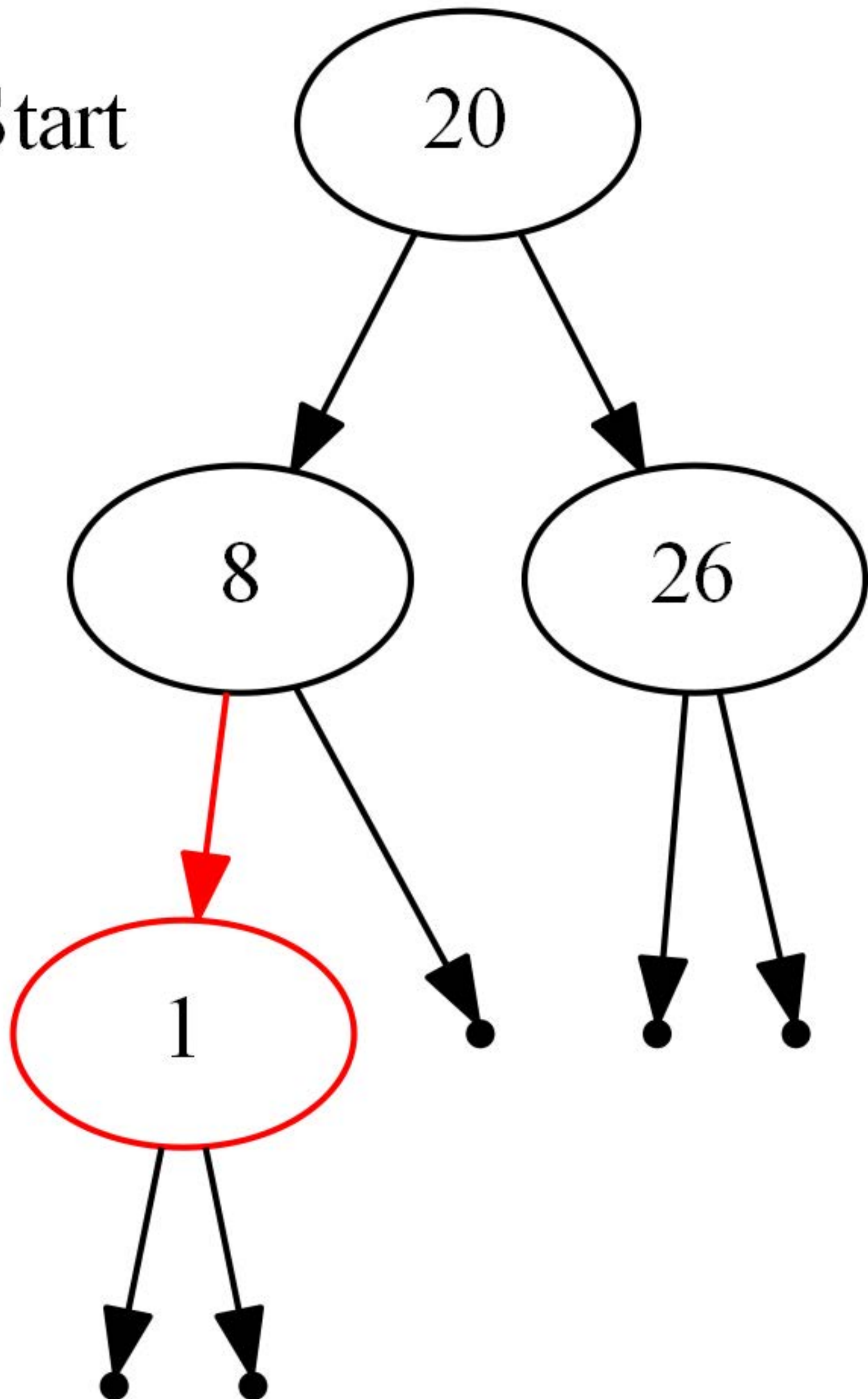


Insert1-After-Bottom-up-pass

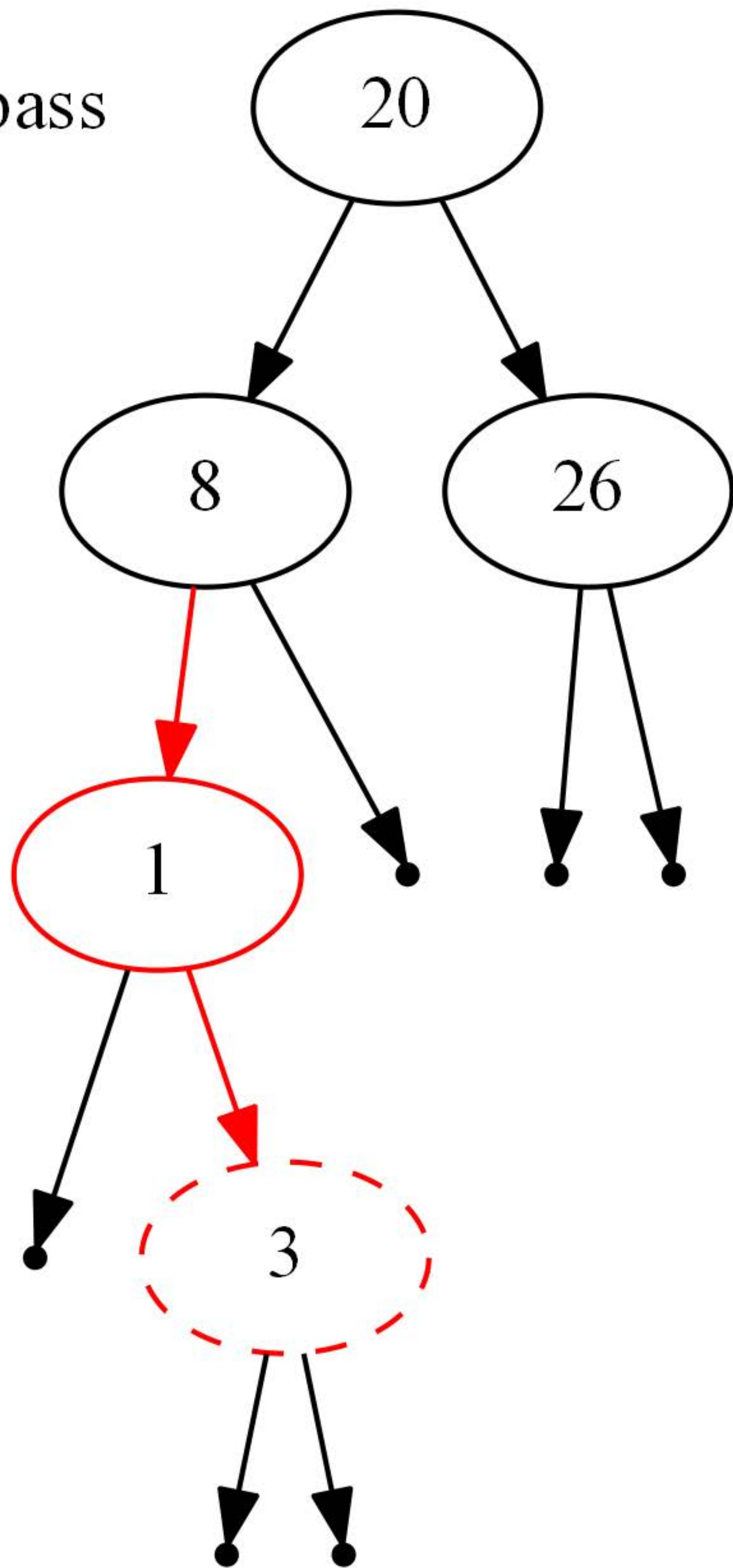




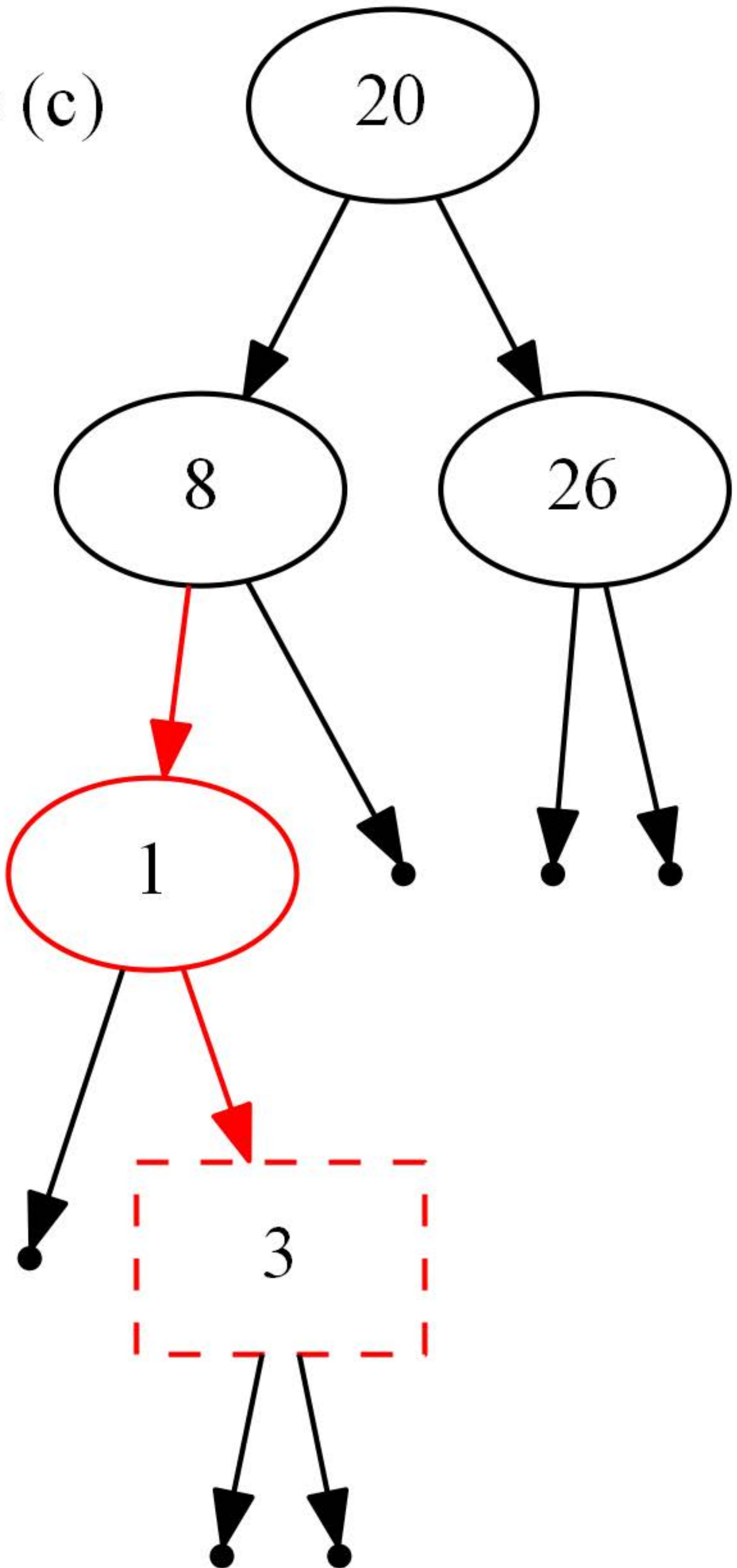
Insert3-Start



Insert3-After-top-down-pass

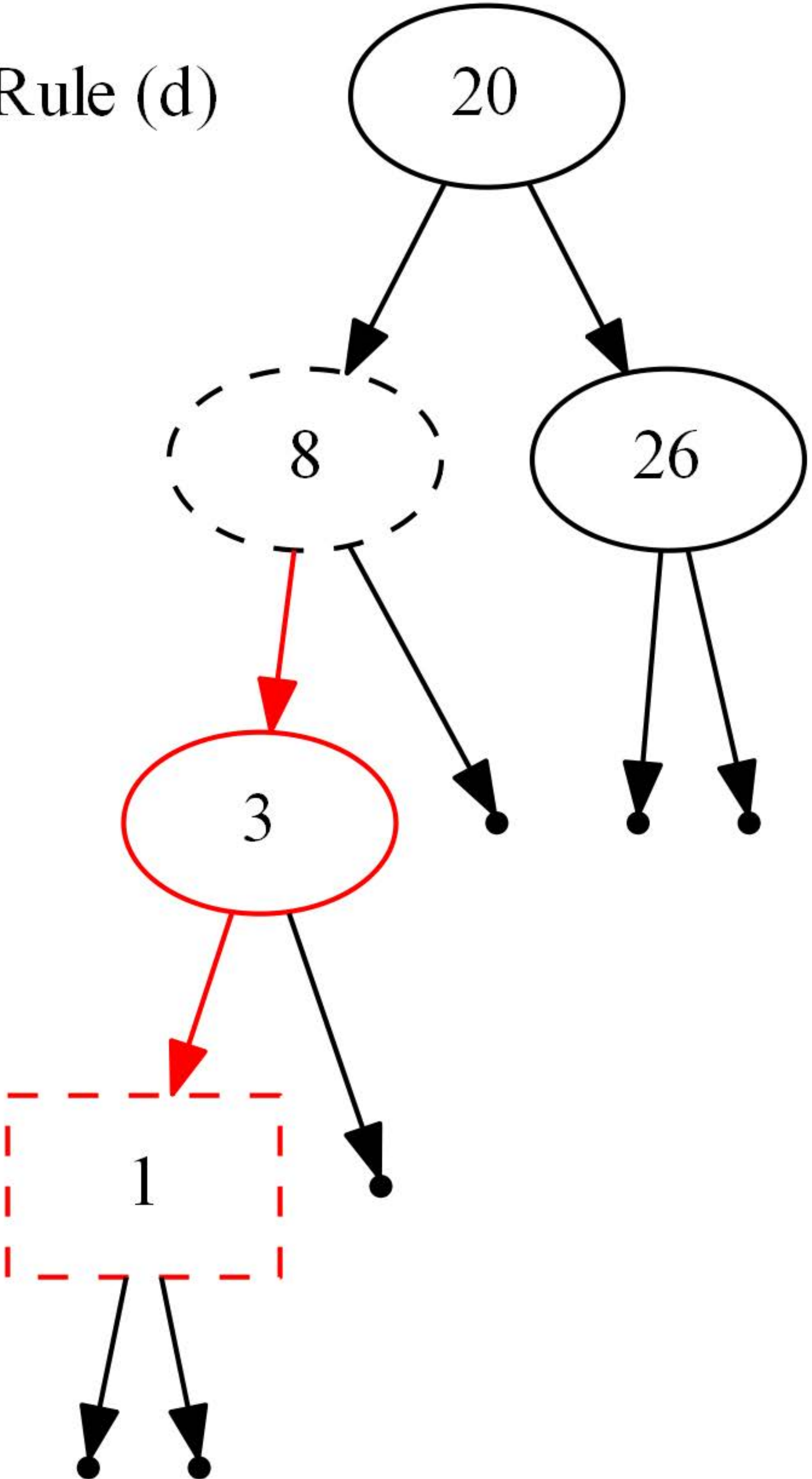


Rule (c)

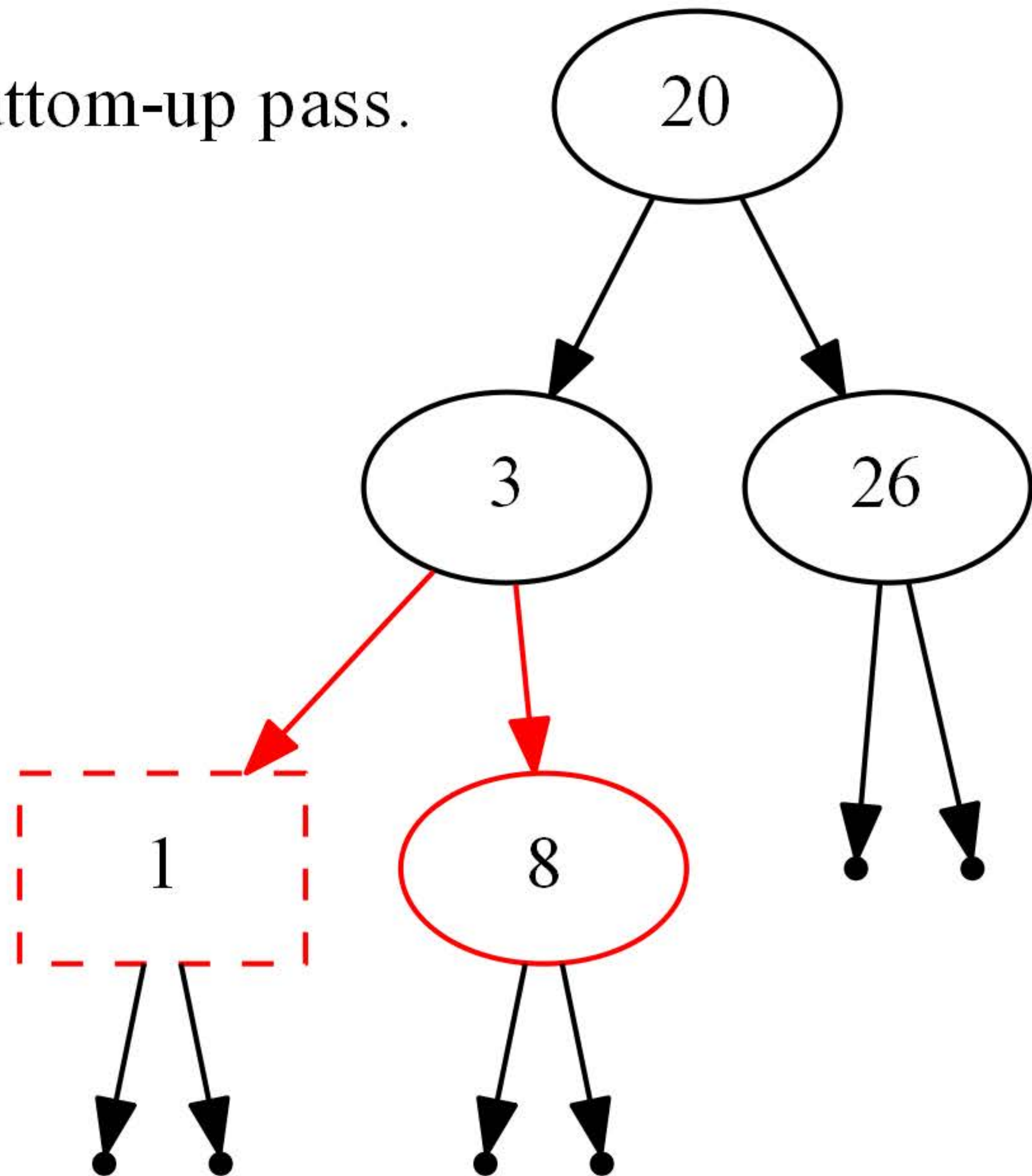




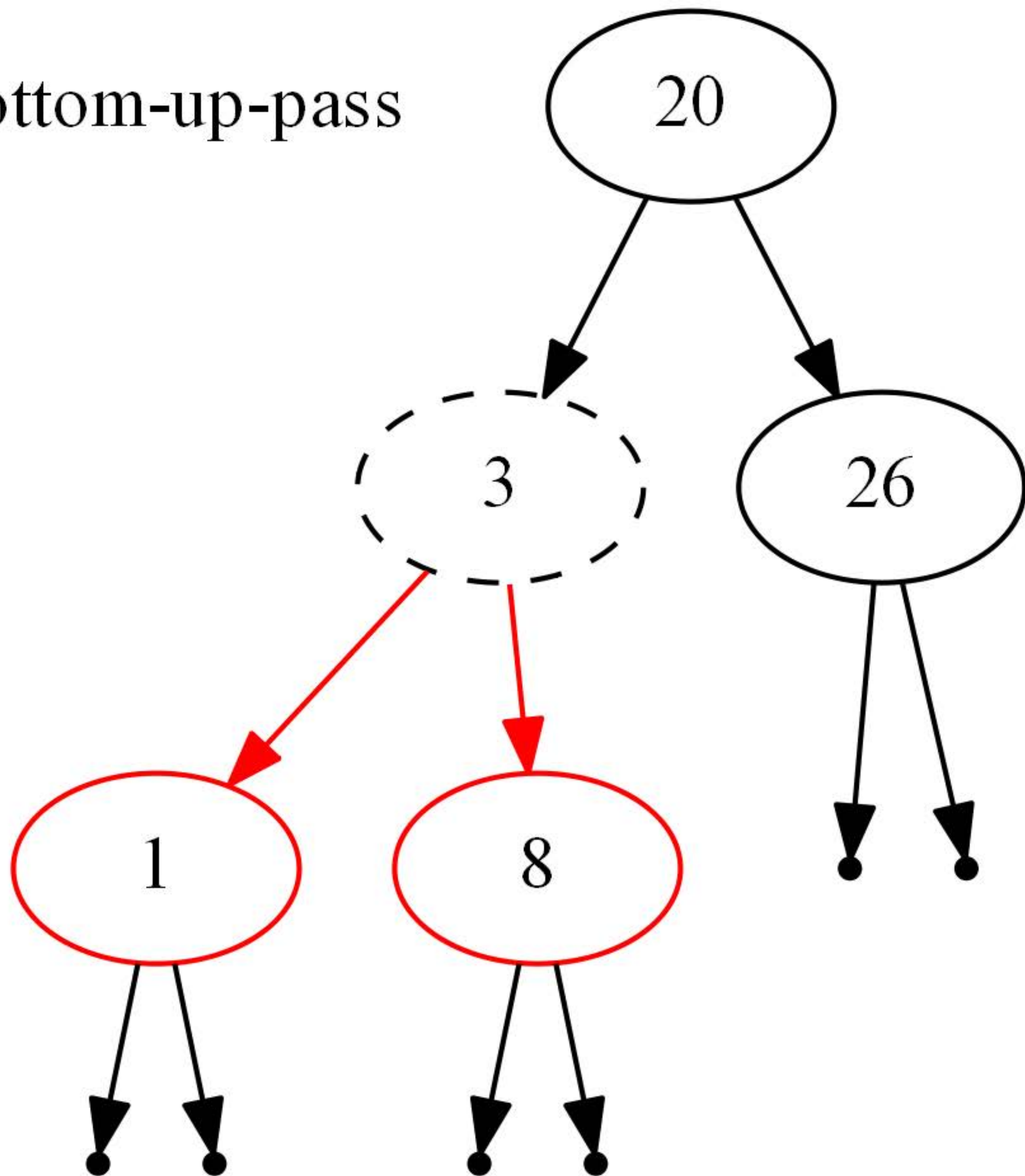
Rule (d)



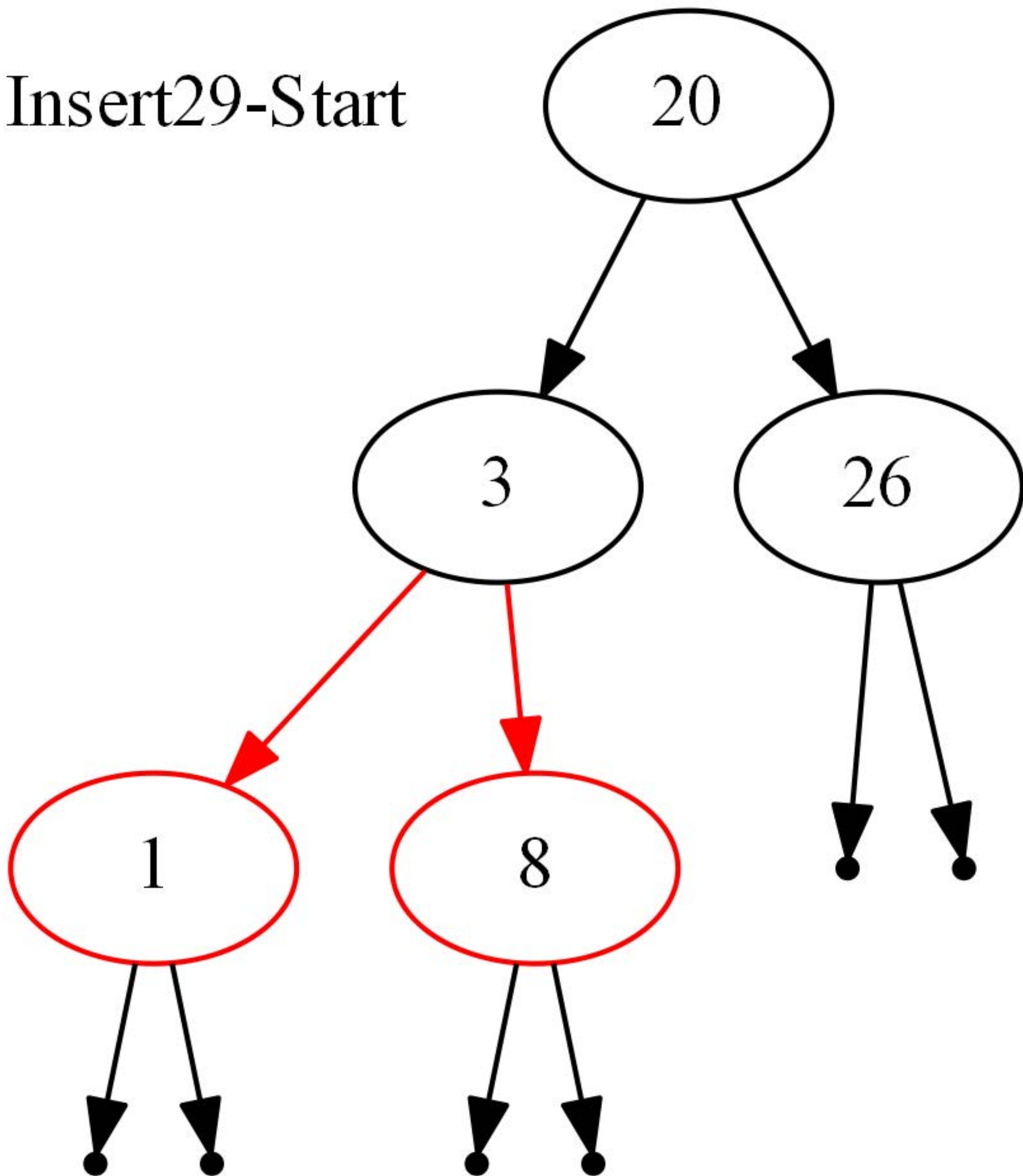
Parent is Black. Terminate buttom-up pass.



Insert3-After-Bottom-up-pass

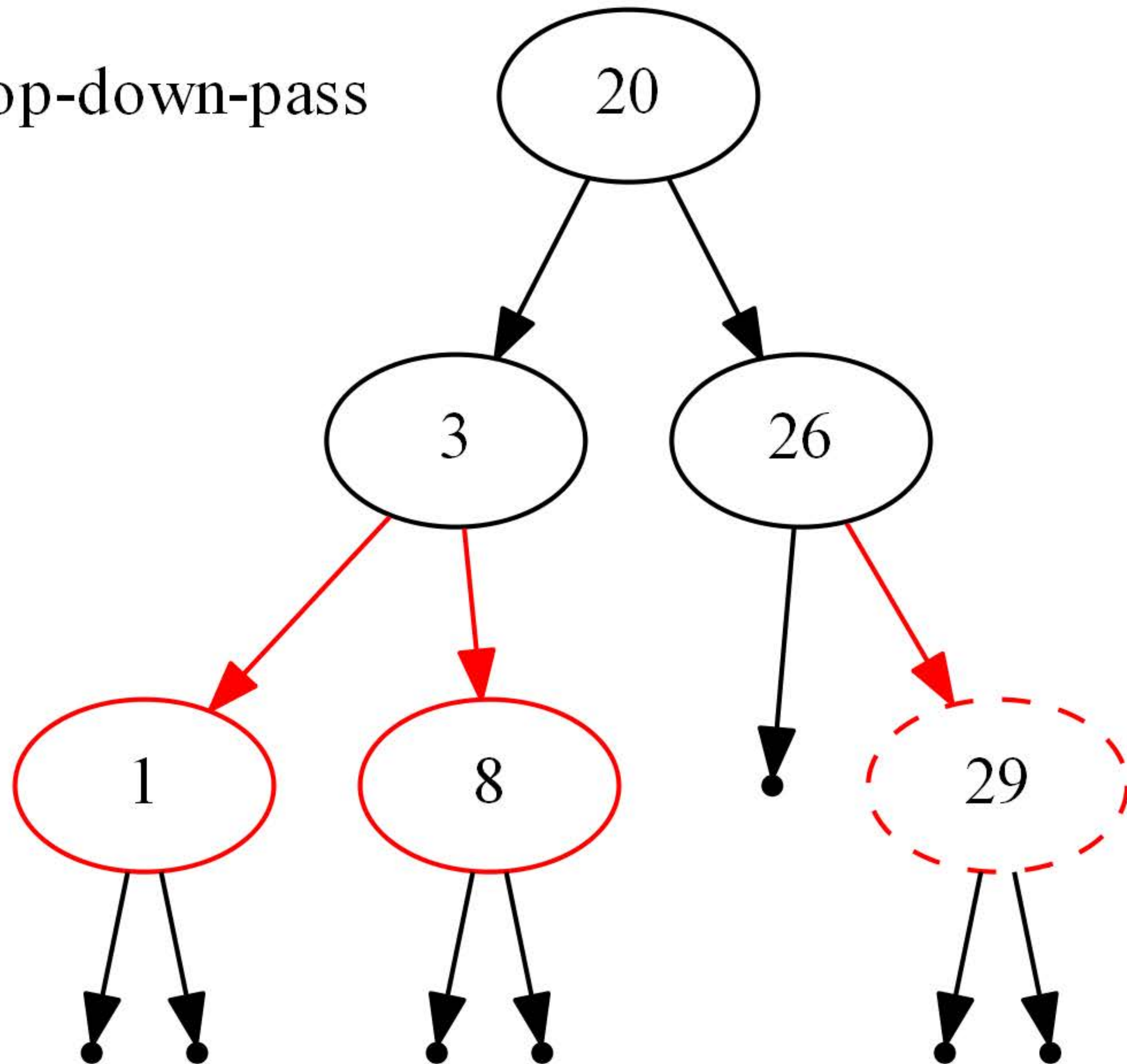


Insert29-Start

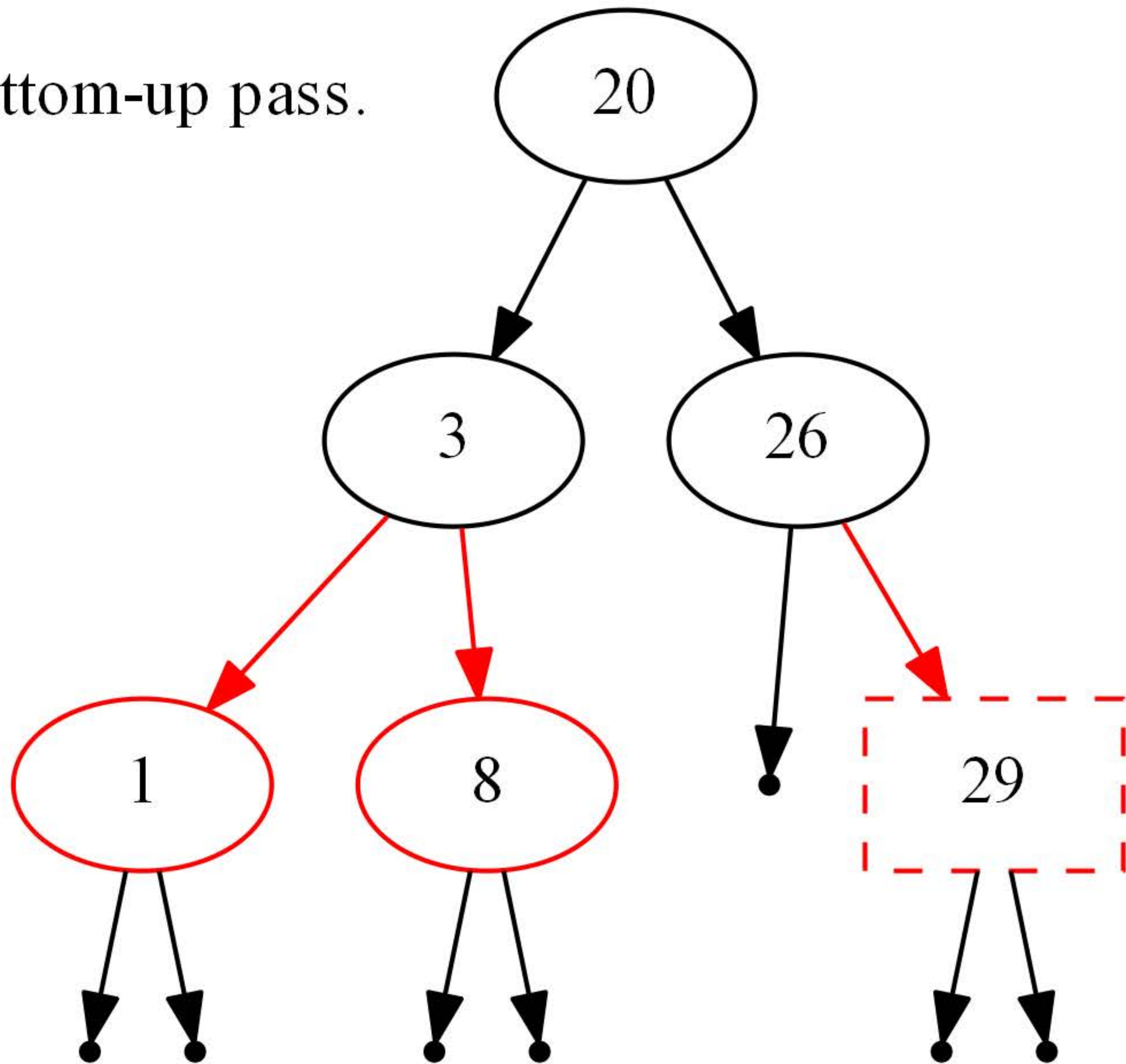




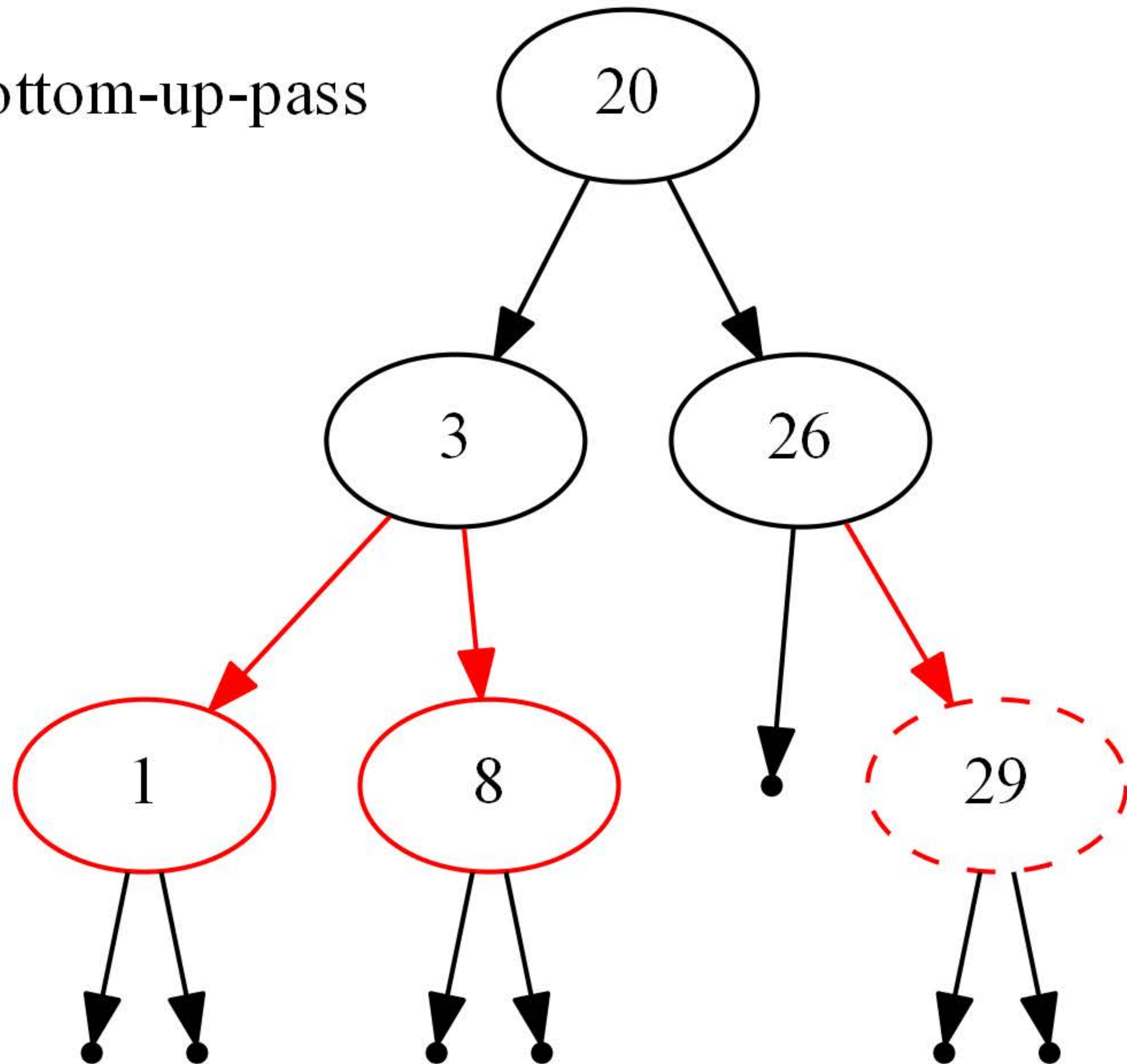
Insert29-After-top-down-pass



Parent is Black. Terminate bottom-up pass.

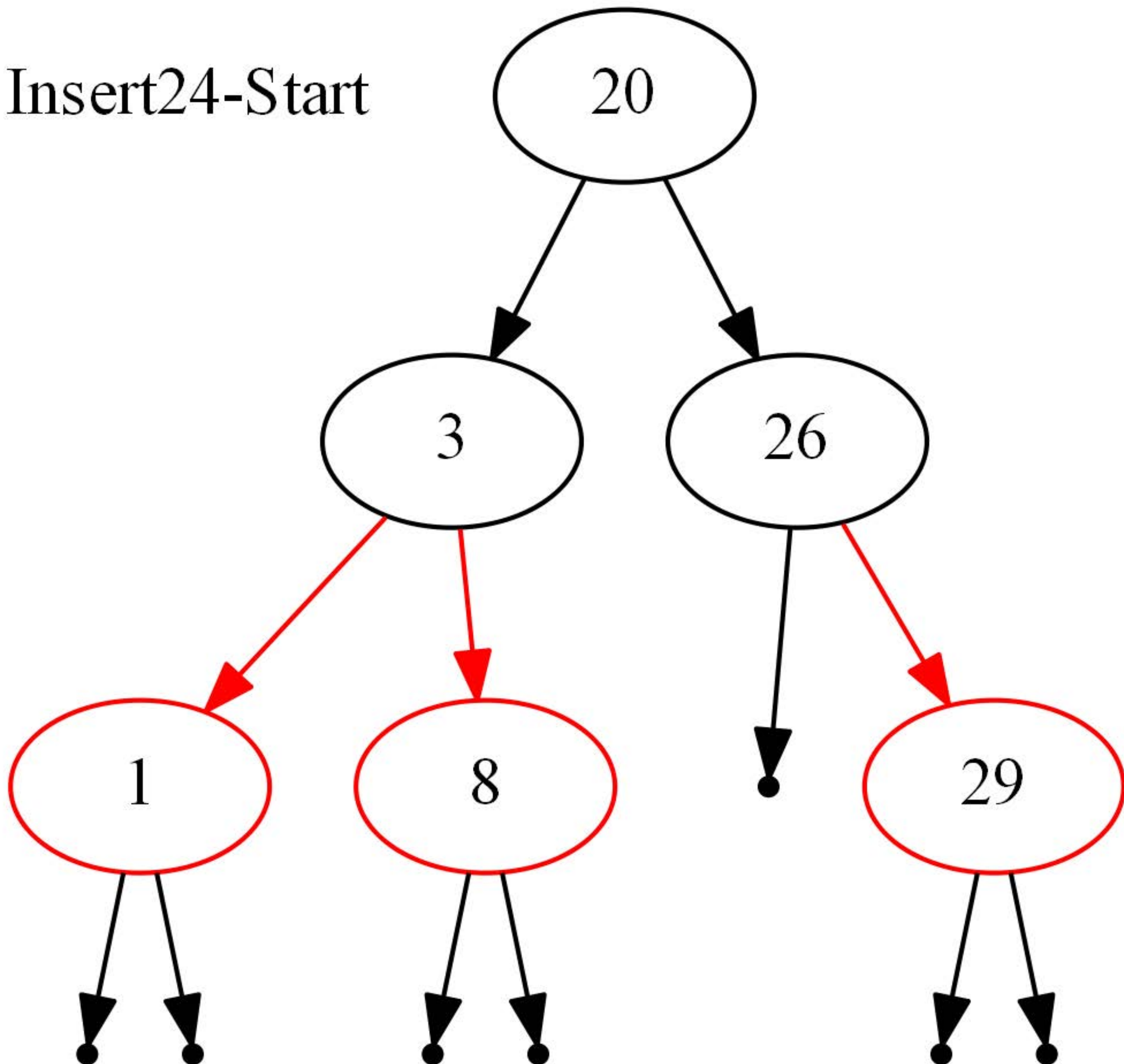


Insert29-After-Bottom-up-pass



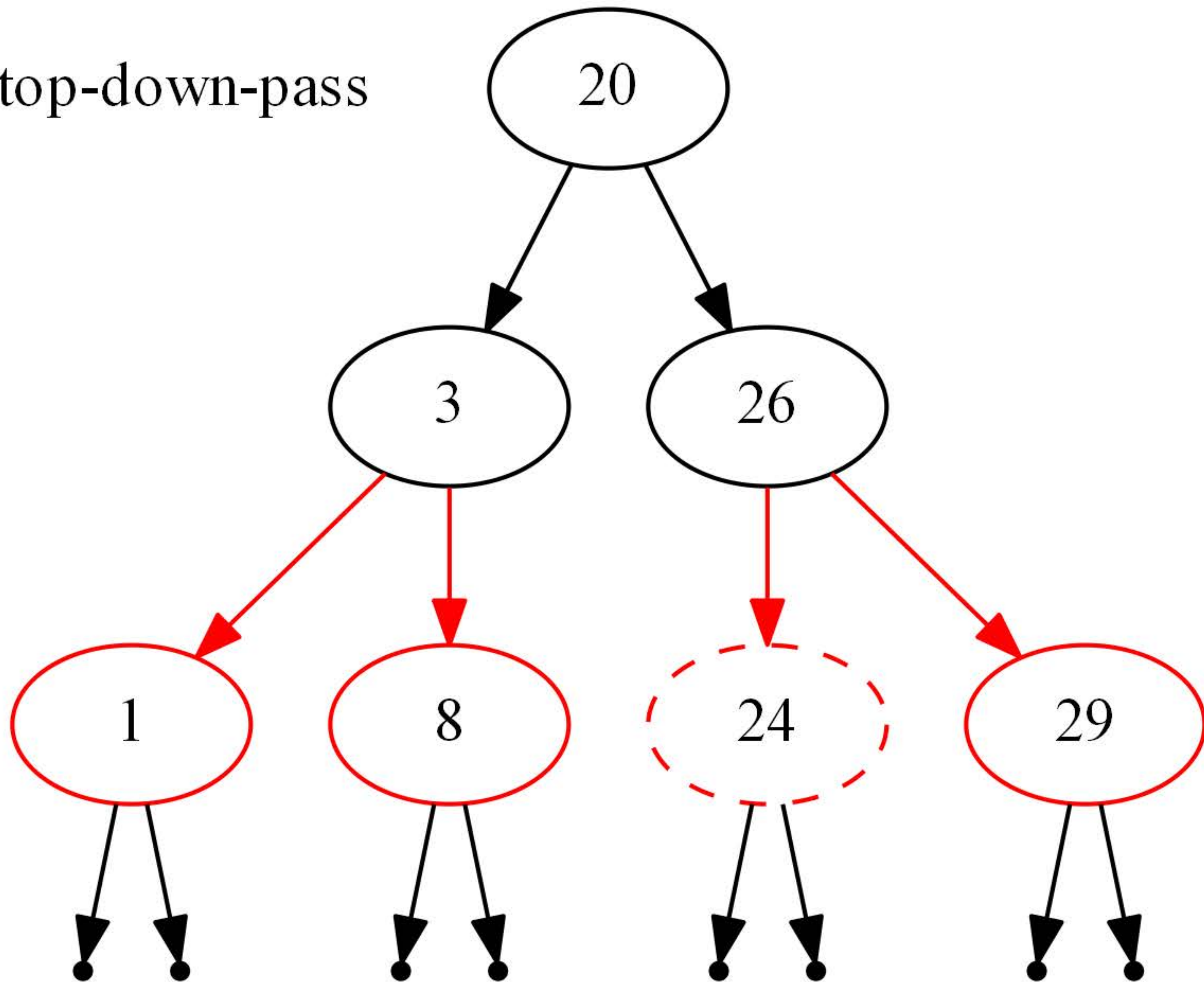


Insert24-Start

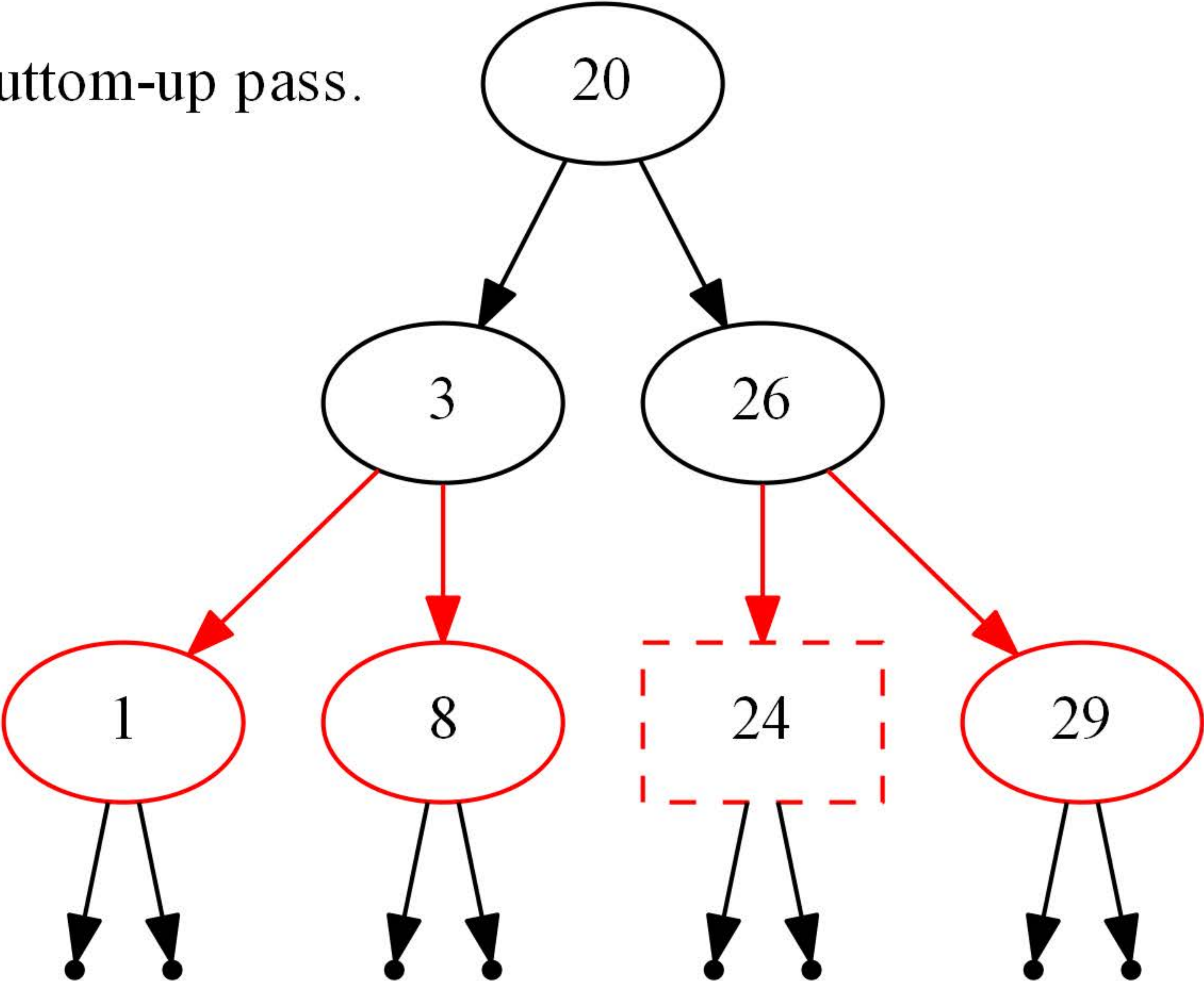




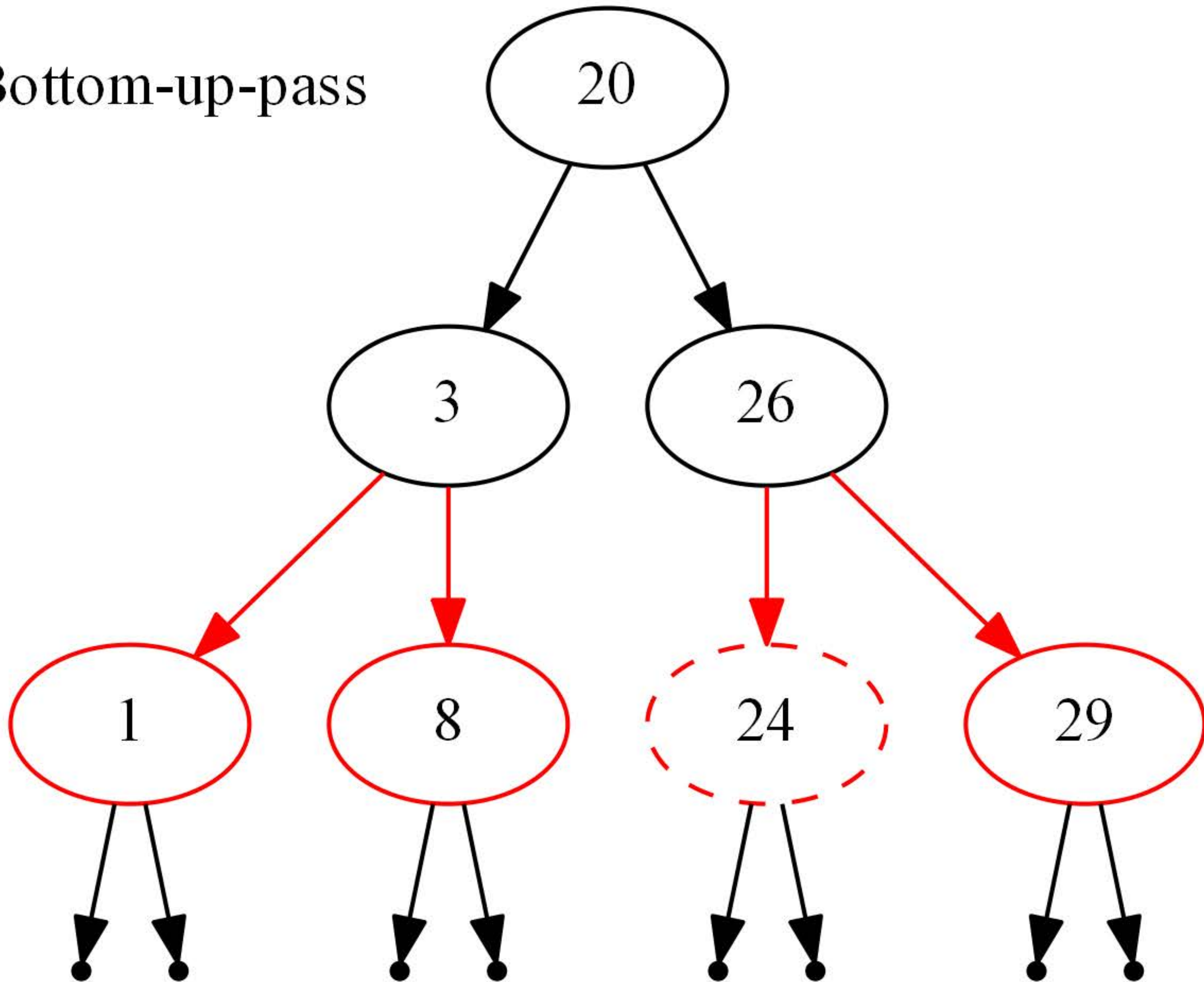
Insert24-After-top-down-pass



Parent is Black. Terminate bottom-up pass.

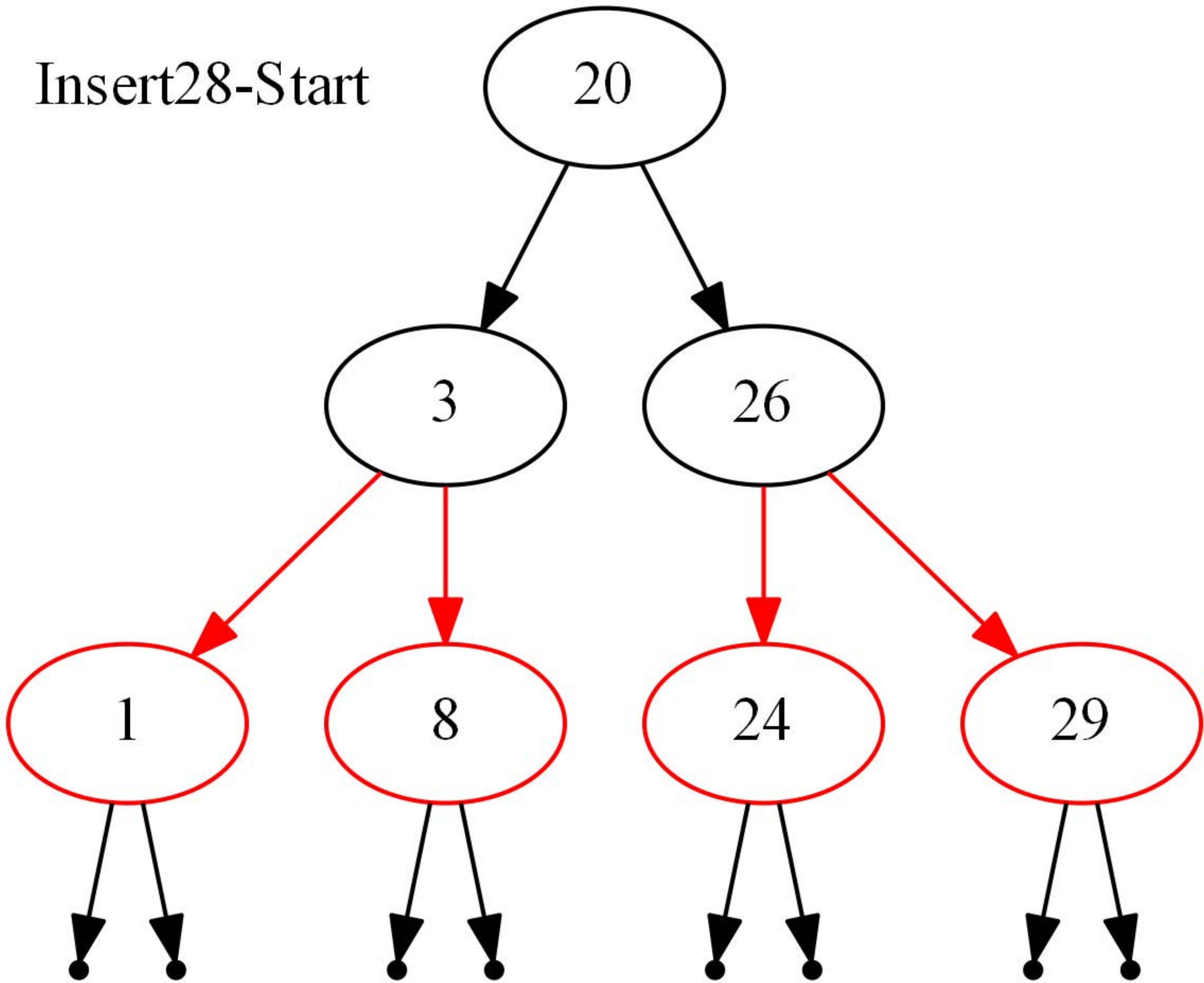


Insert24-After-Bottom-up-pass

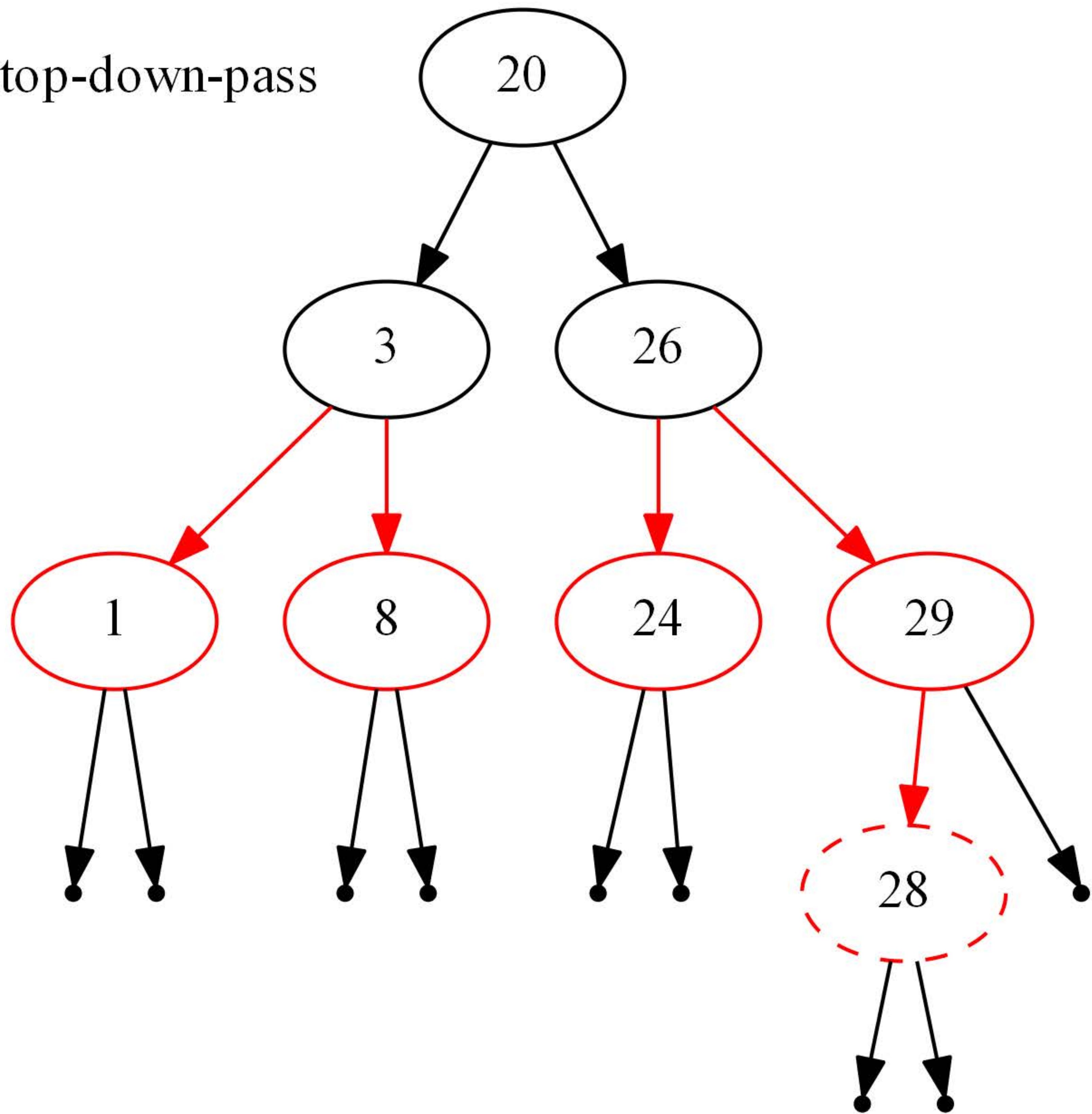




Insert28-Start

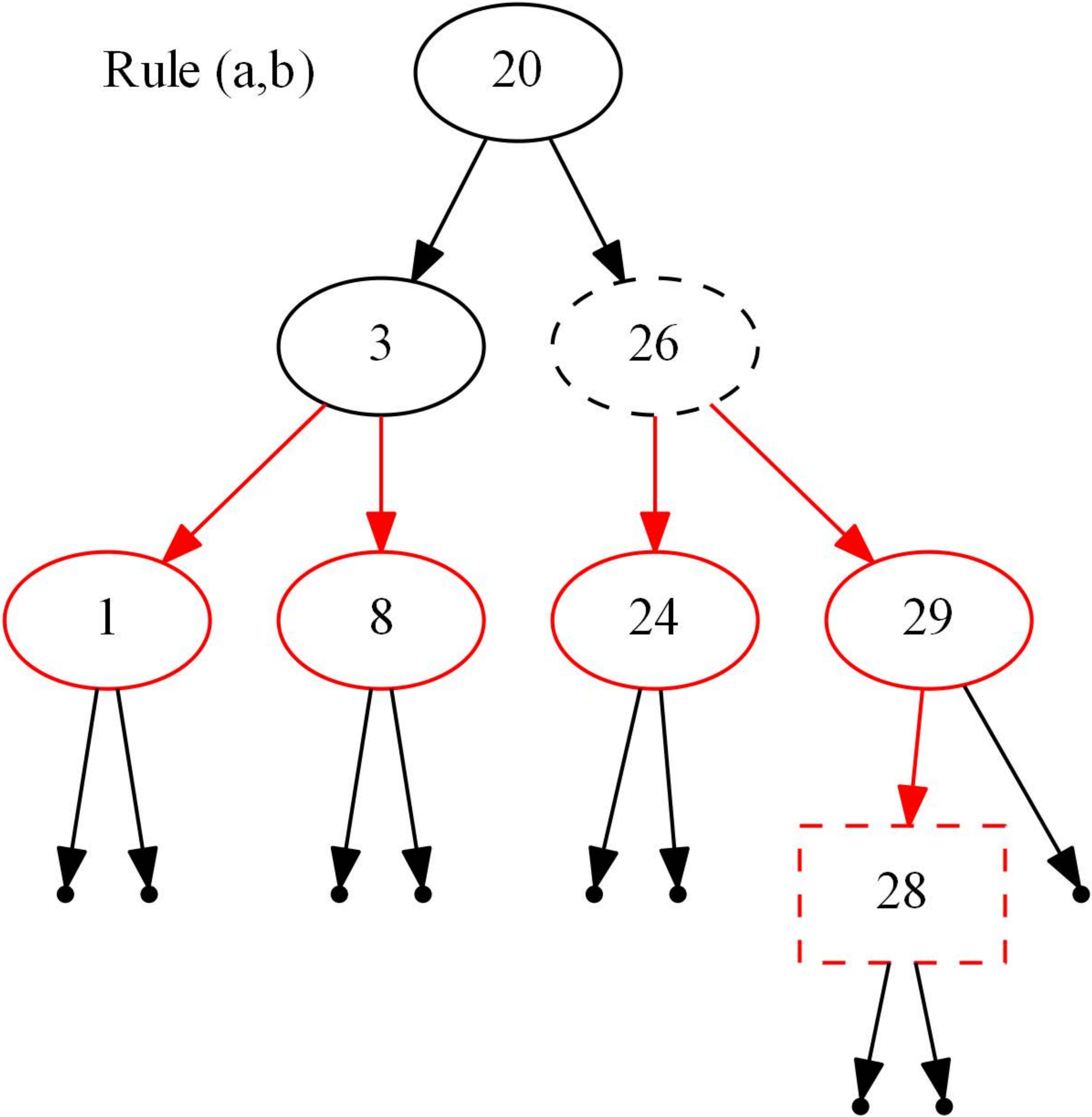


Insert28-After-top-down-pass

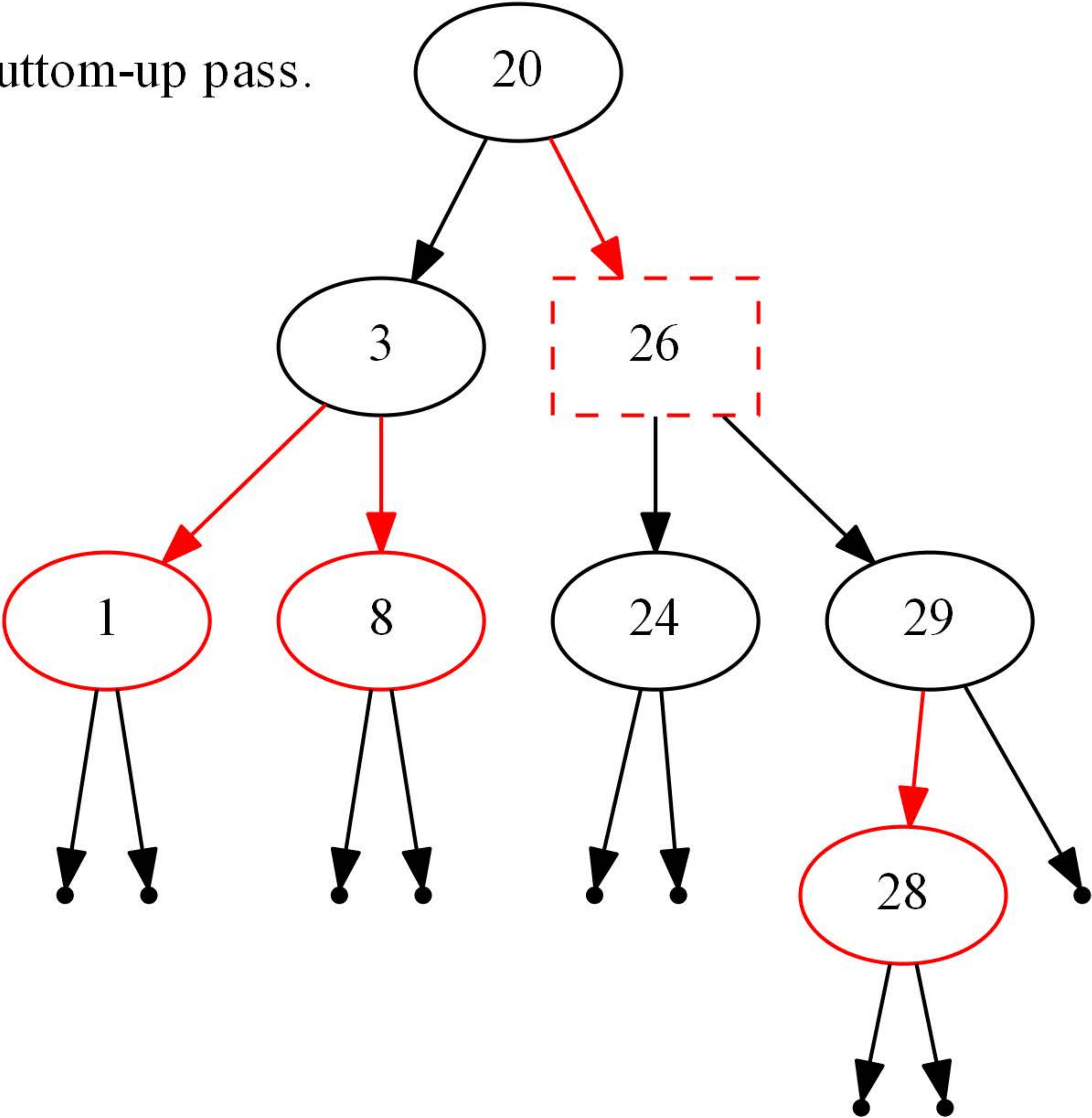




Rule (a,b)

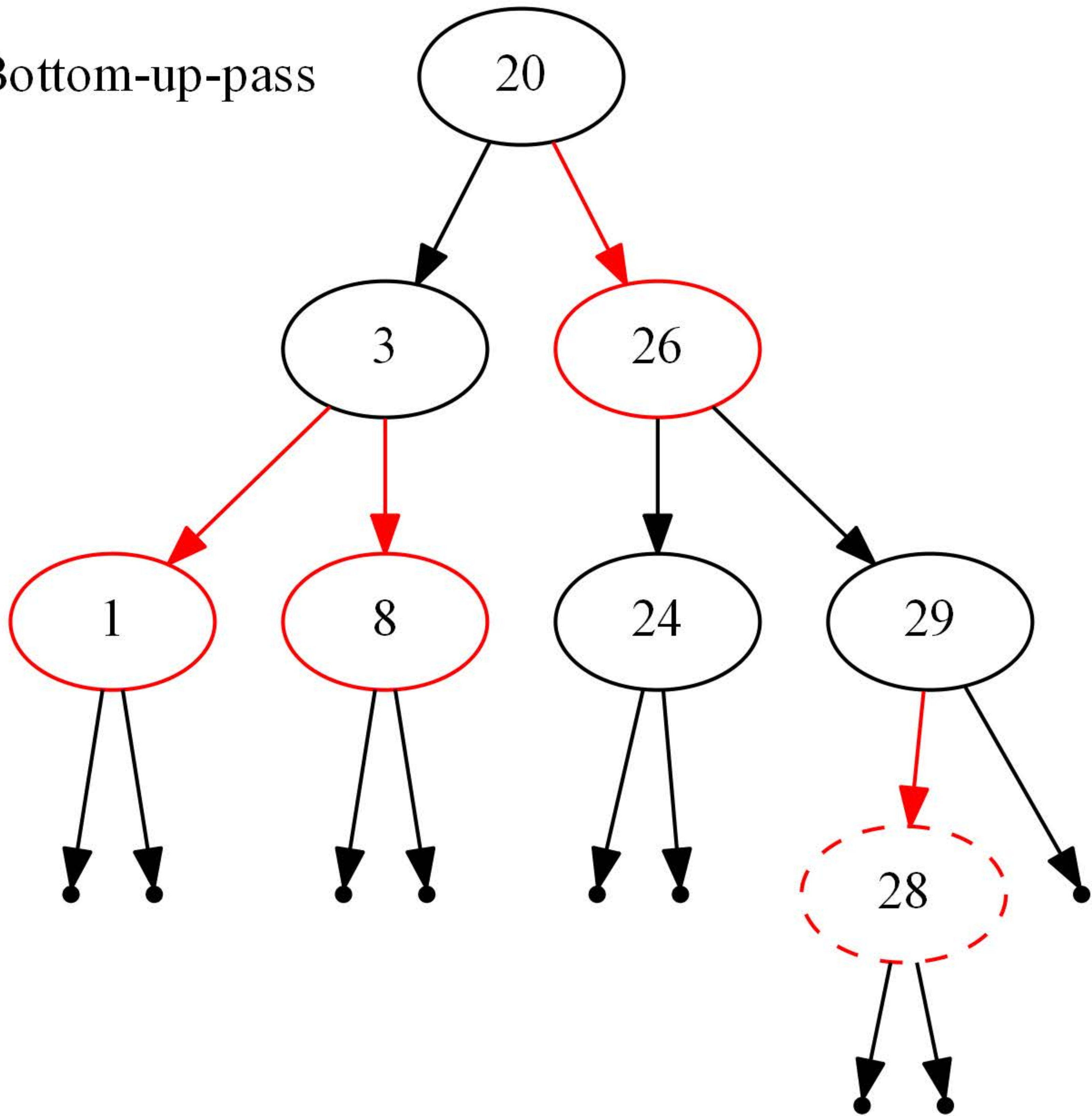


Parent is Black. Terminate buttom-up pass.



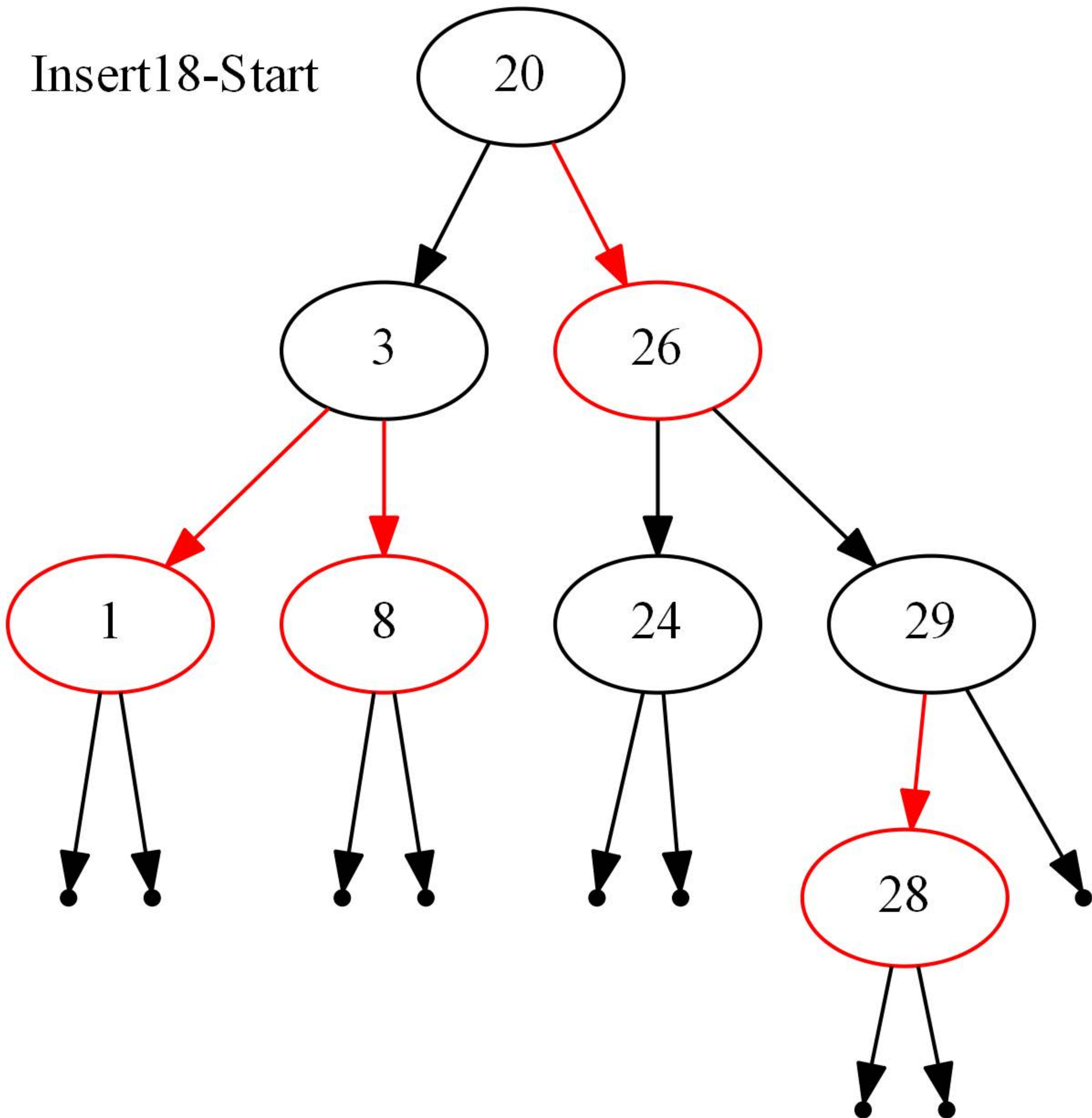


Insert28-After-Bottom-up-pass

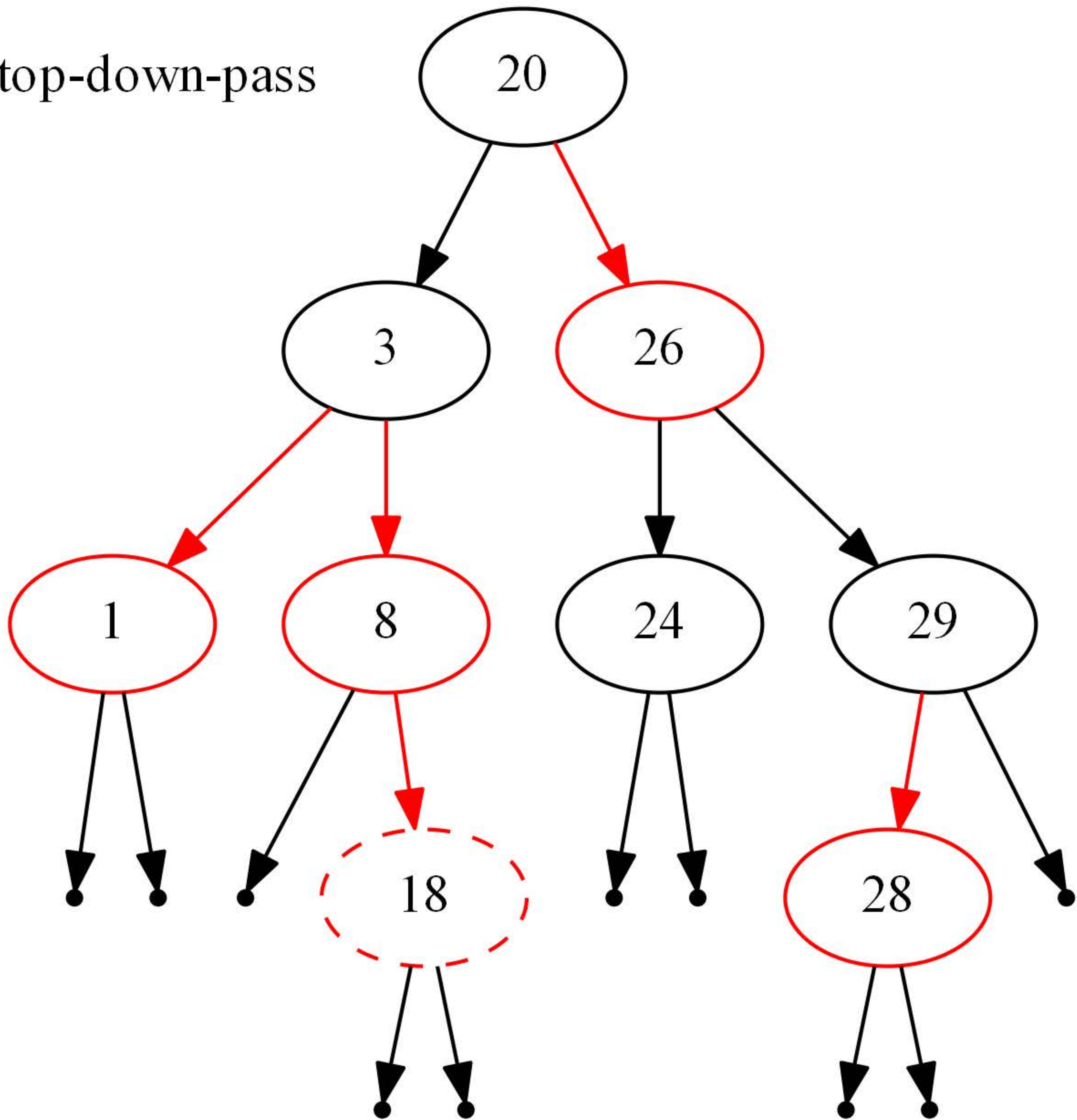




Insert 18-Start

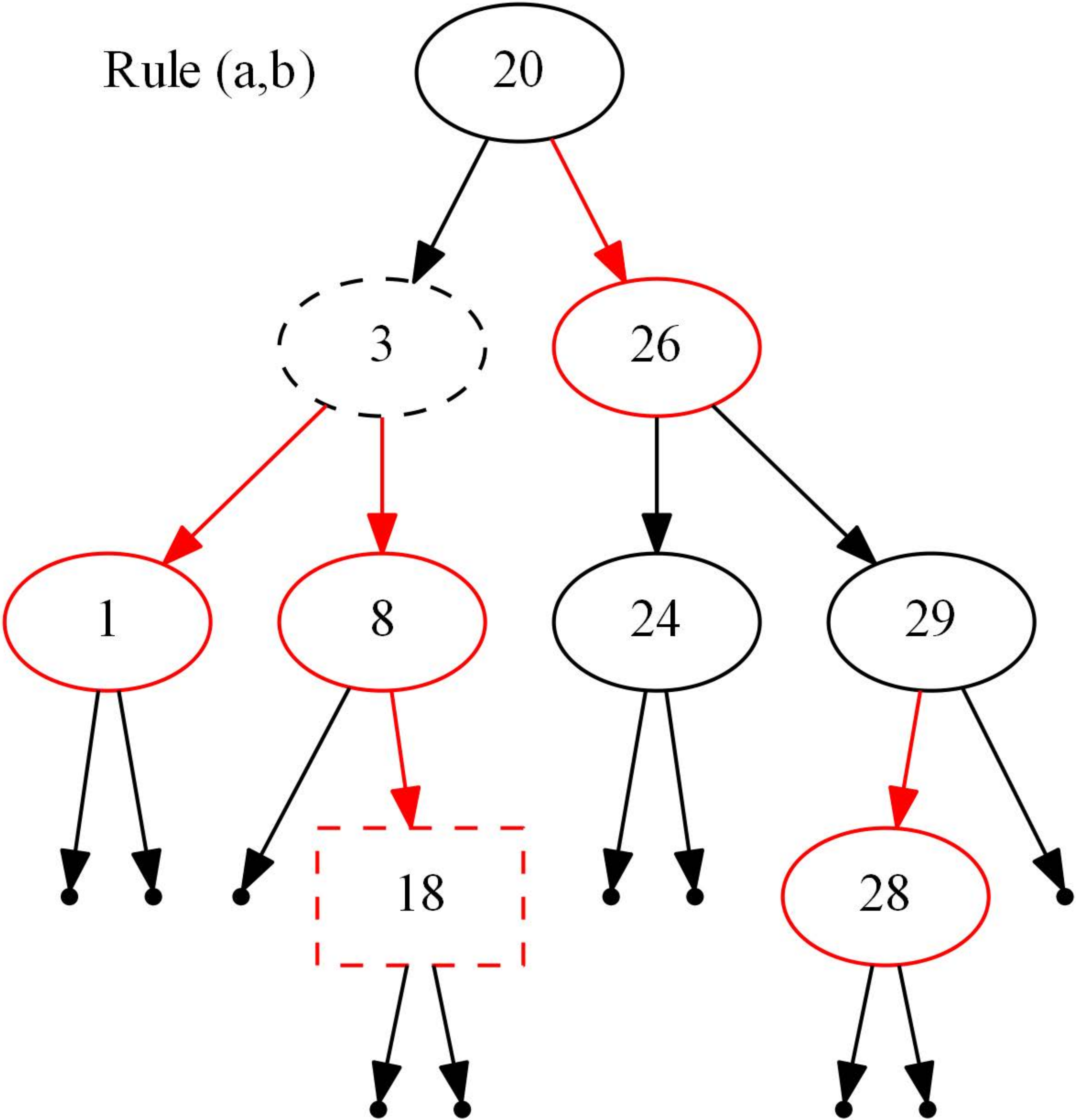


Insert 18-After-top-down-pass

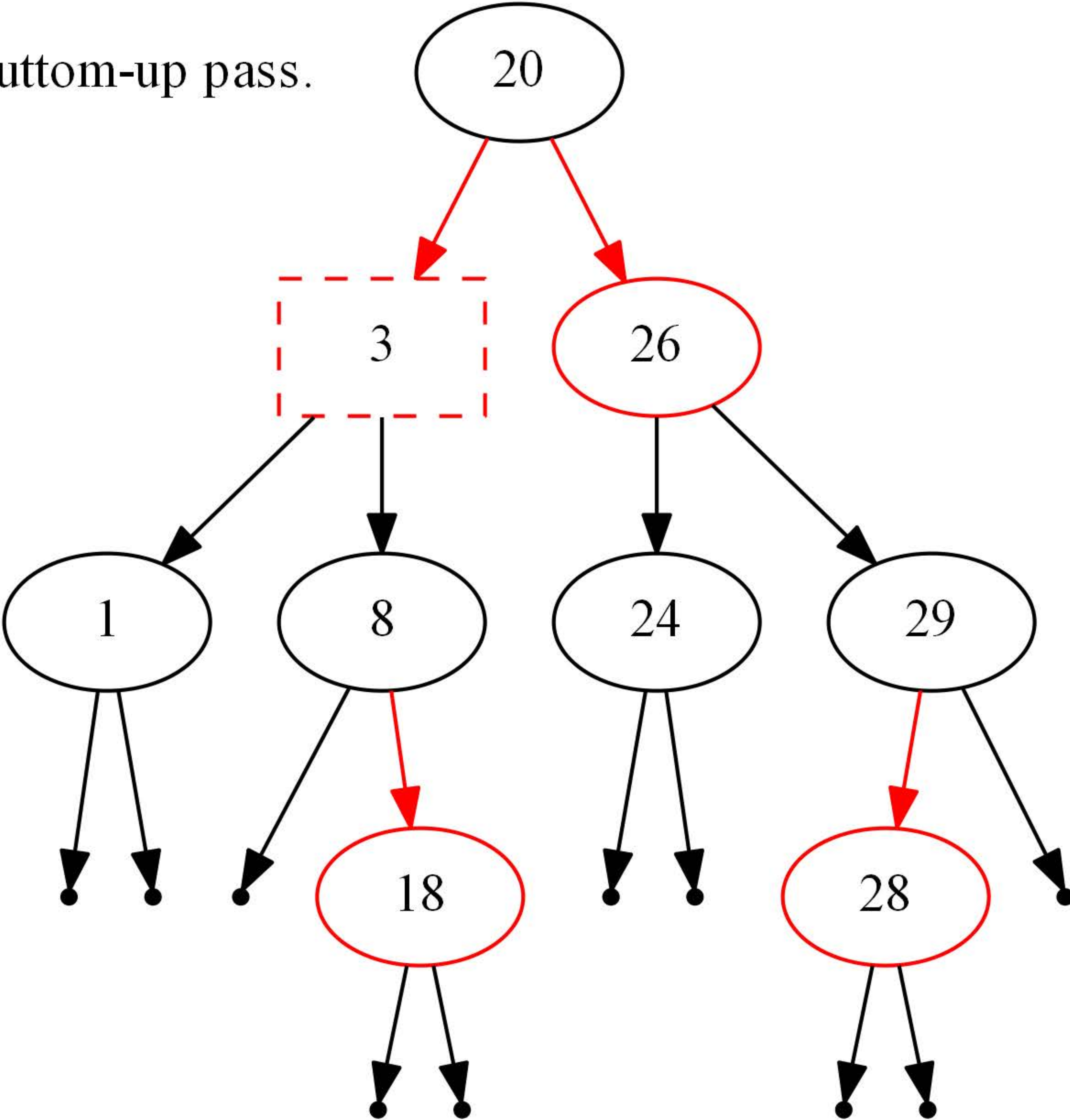




Rule (a,b)

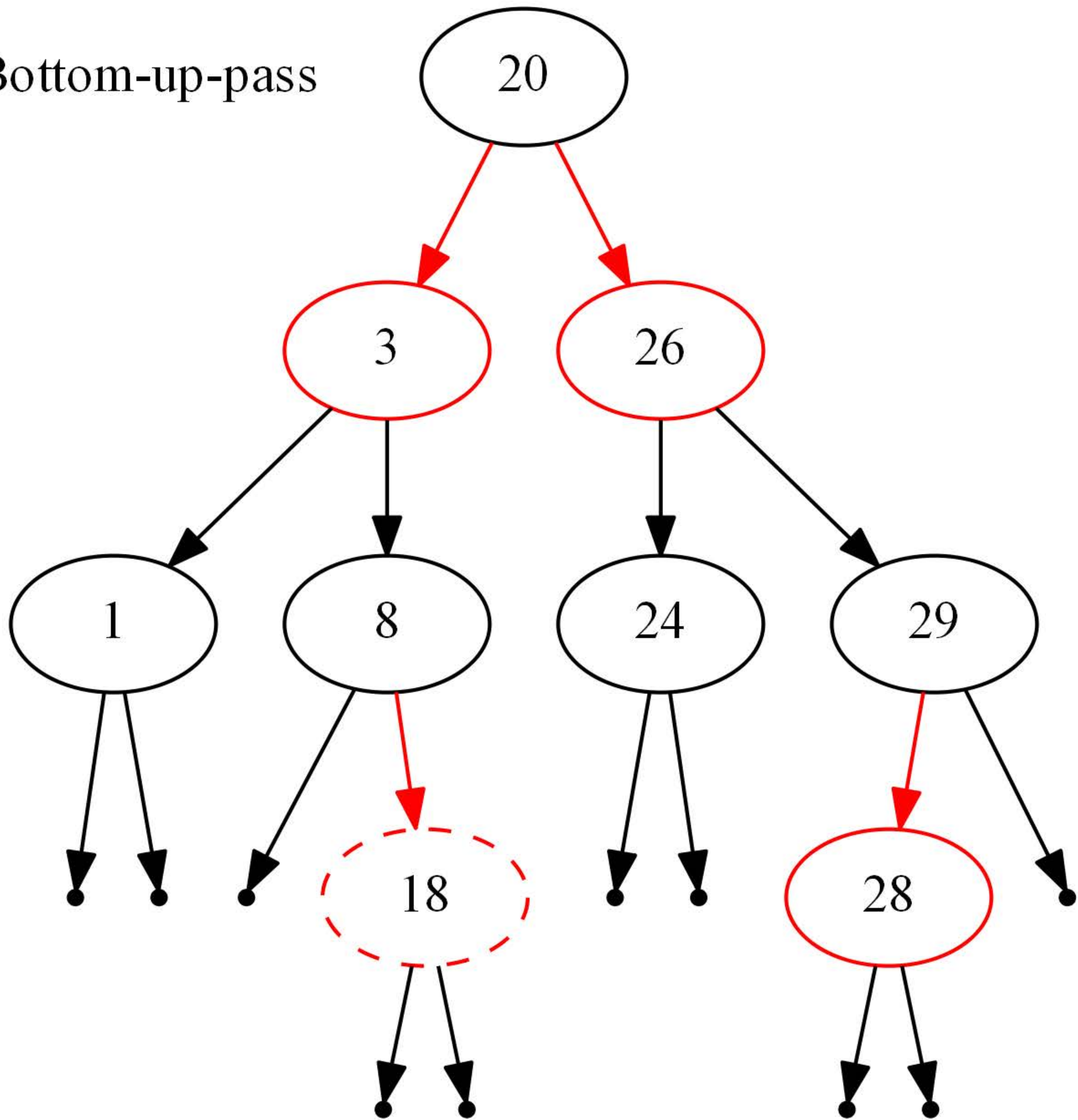


Parent is Black. Terminate bottom-up pass.

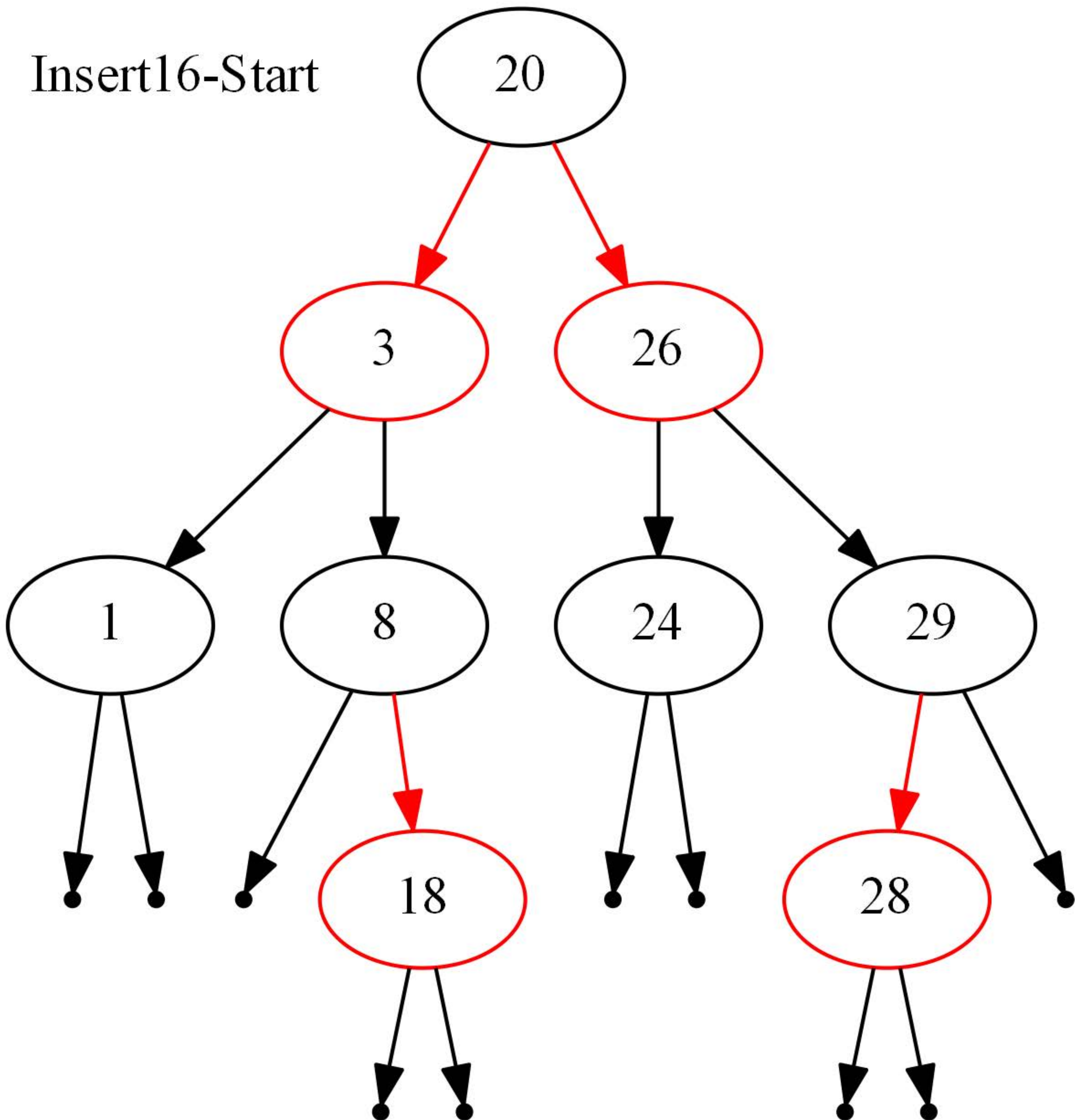




Insert 18-After-Bottom-up-pass

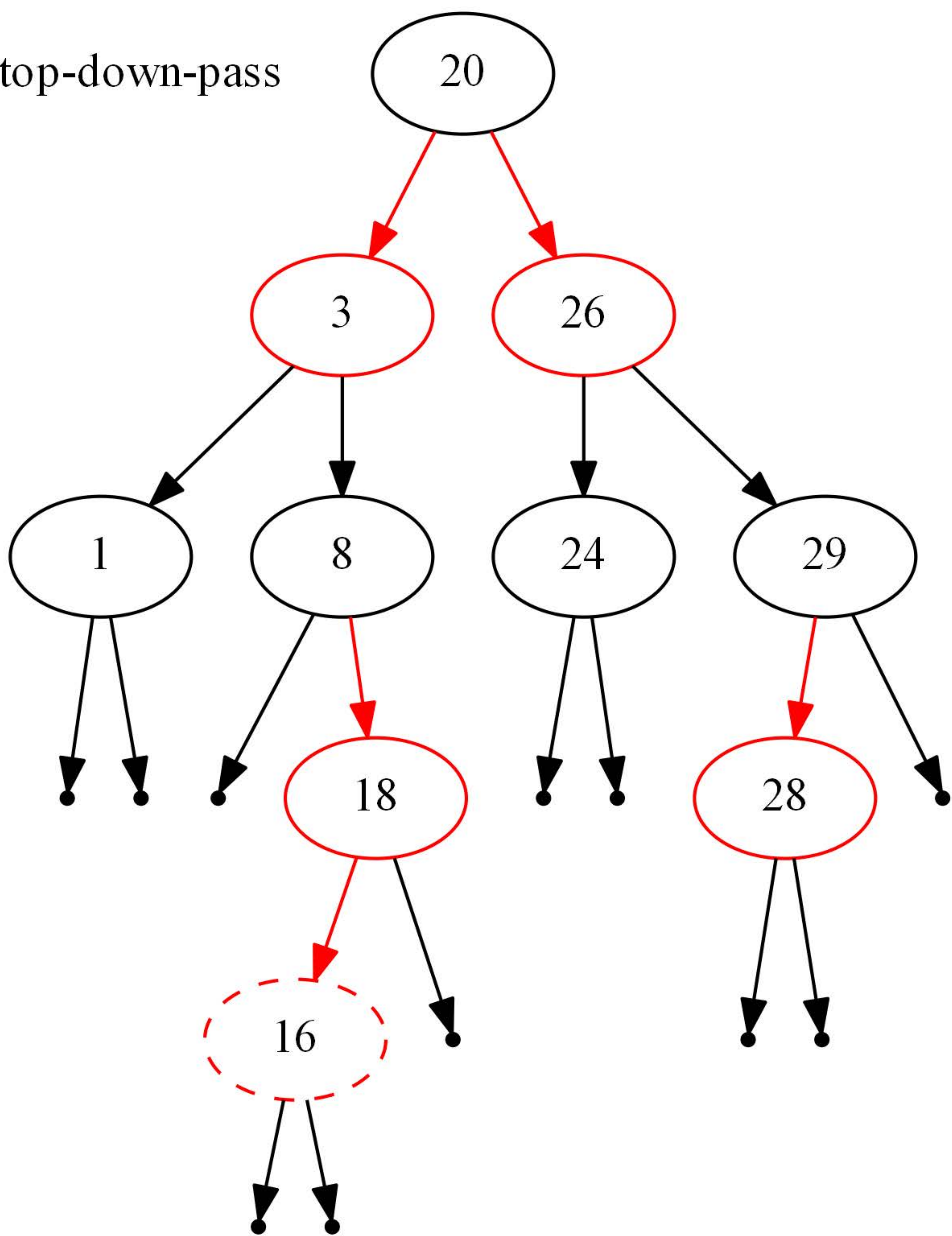


Insert16-Start

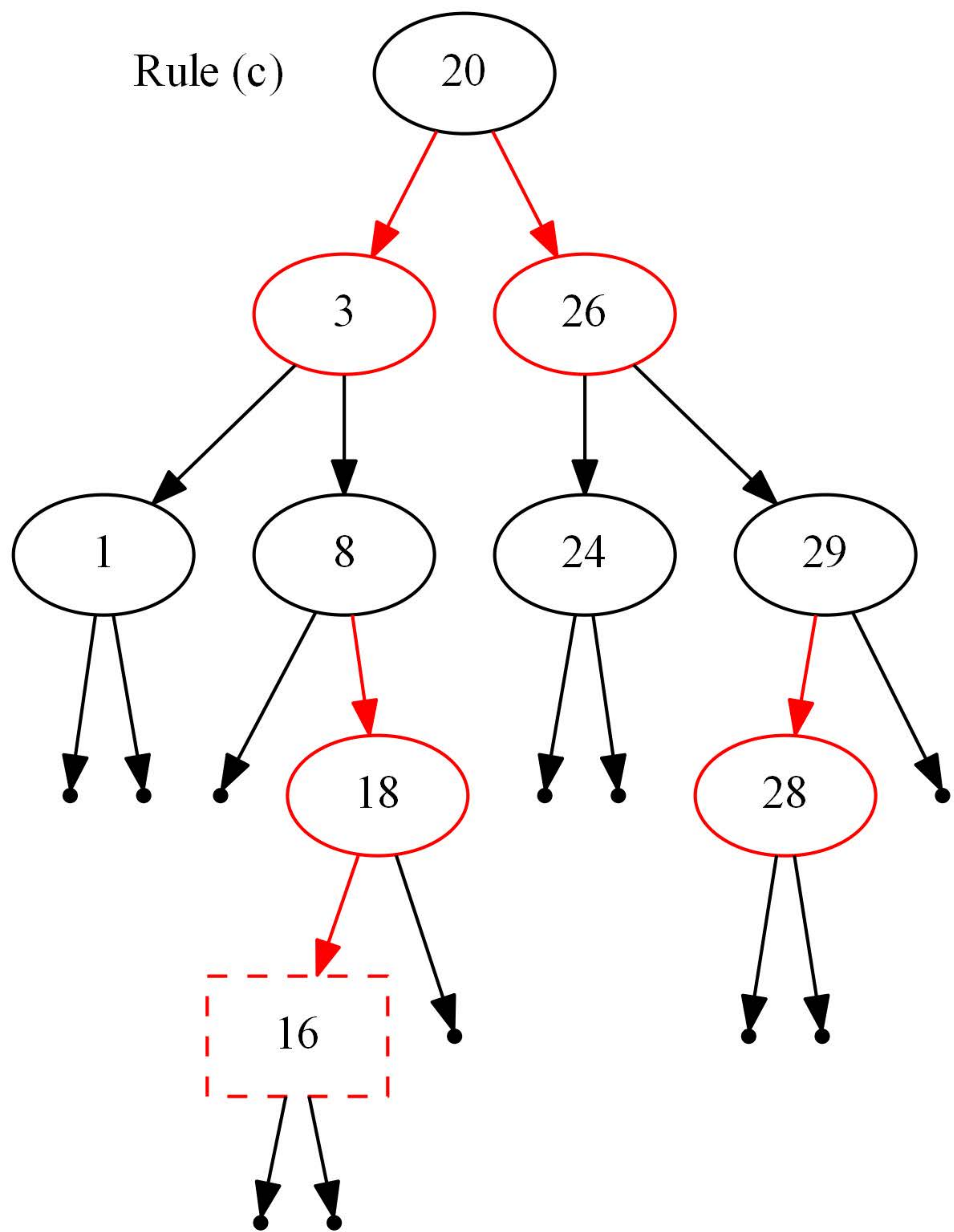




Insert 16-After-top-down-pass

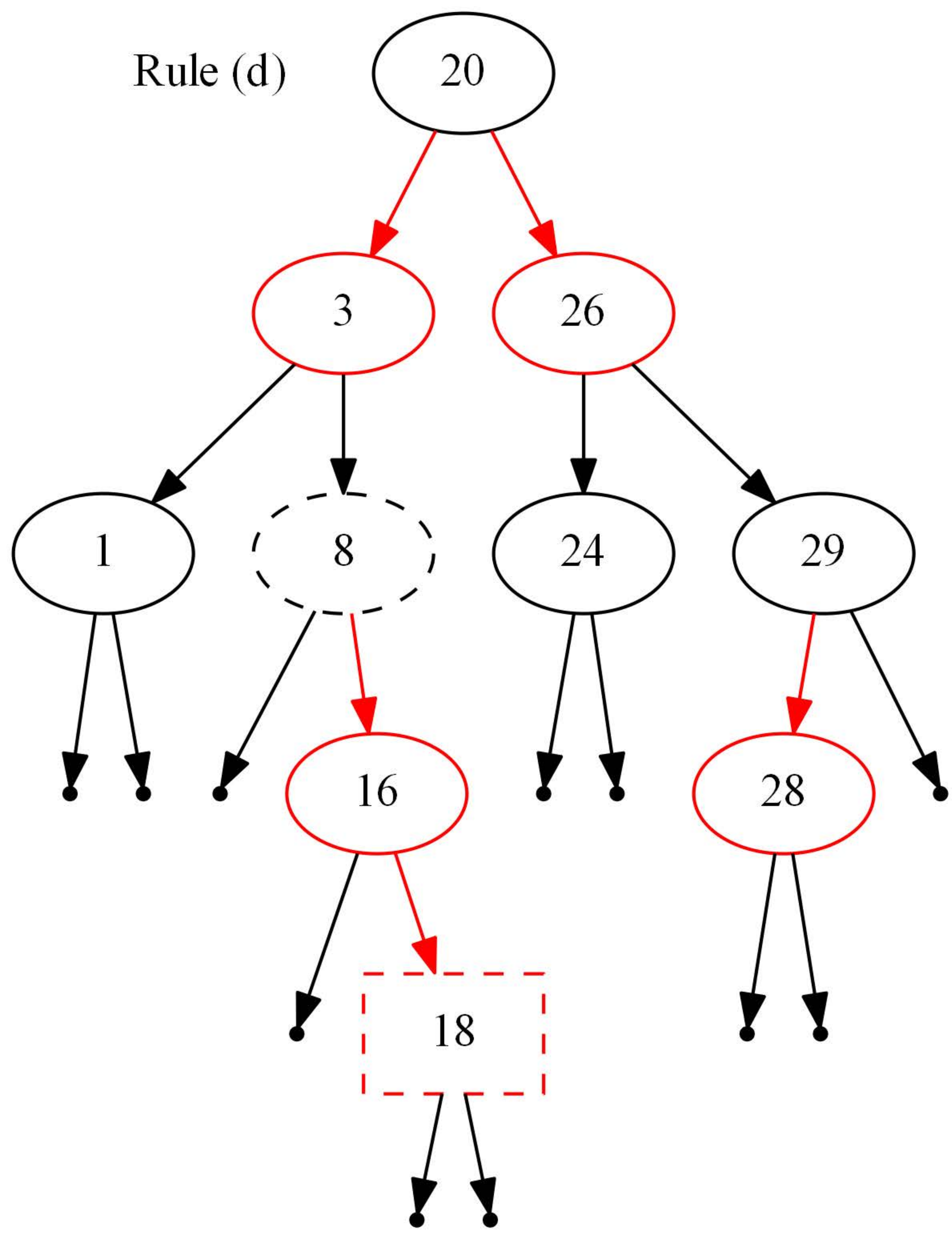


Rule (c)

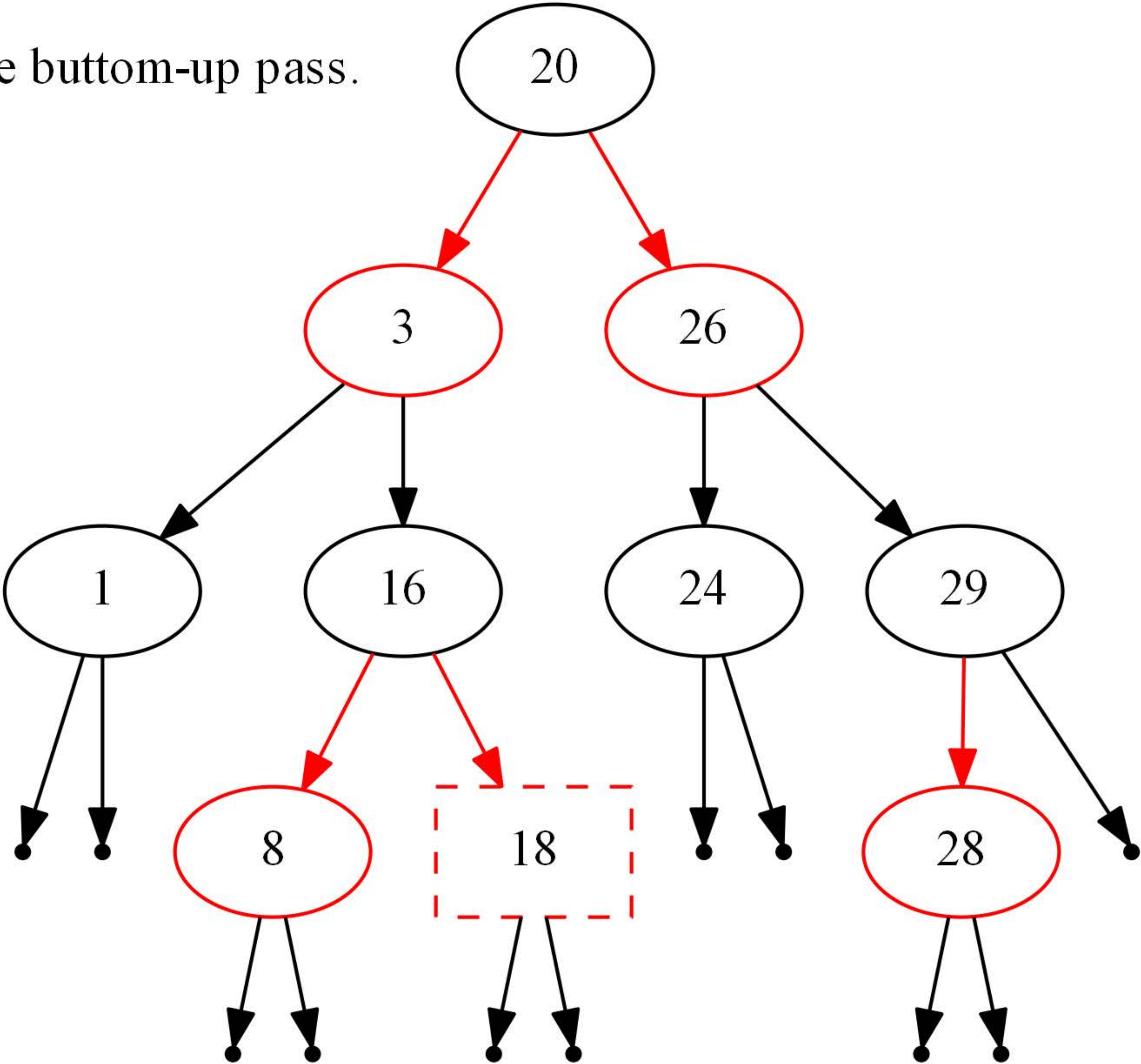




Rule (d)

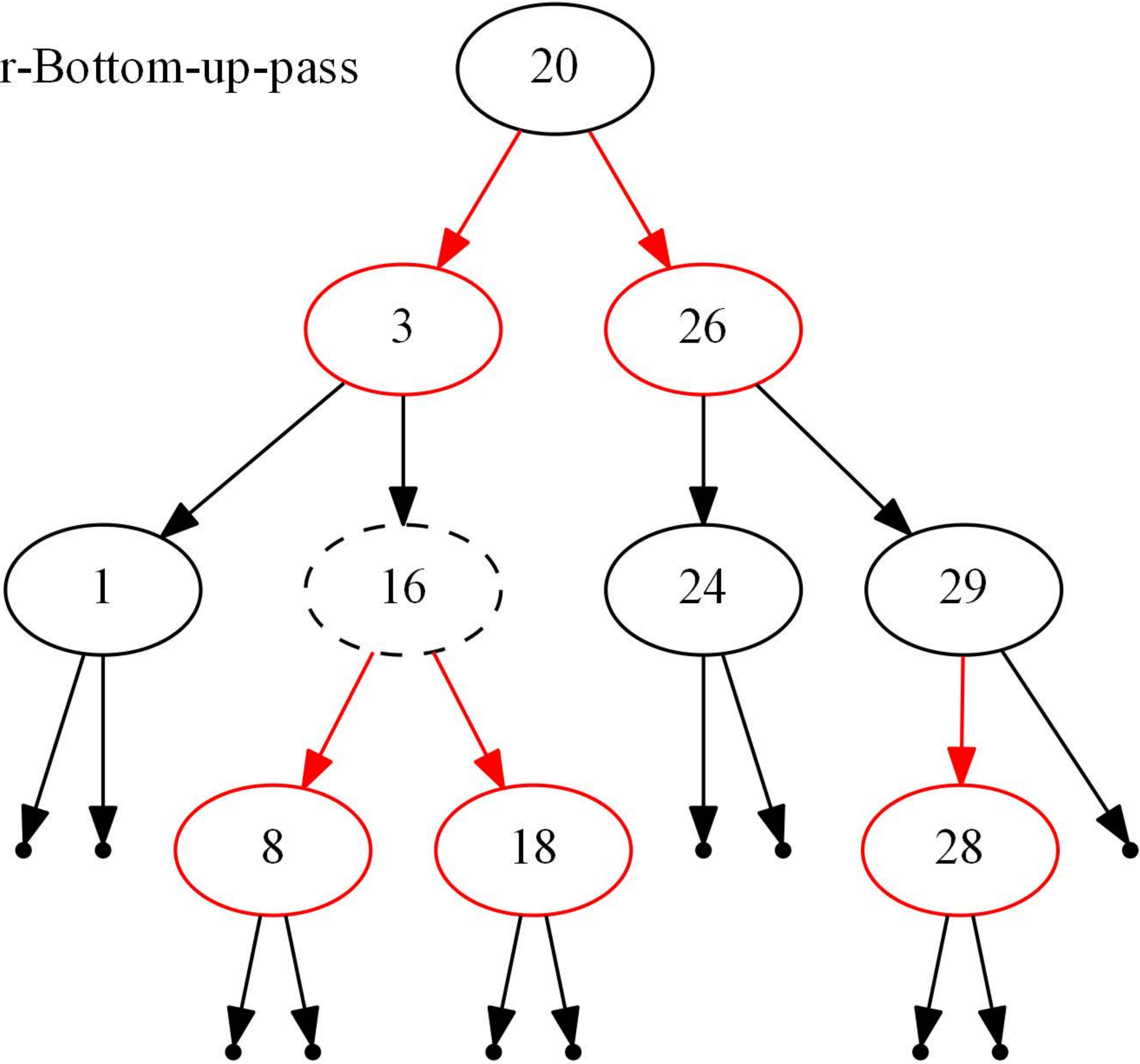


Parent is Black. Terminate bottom-up pass.

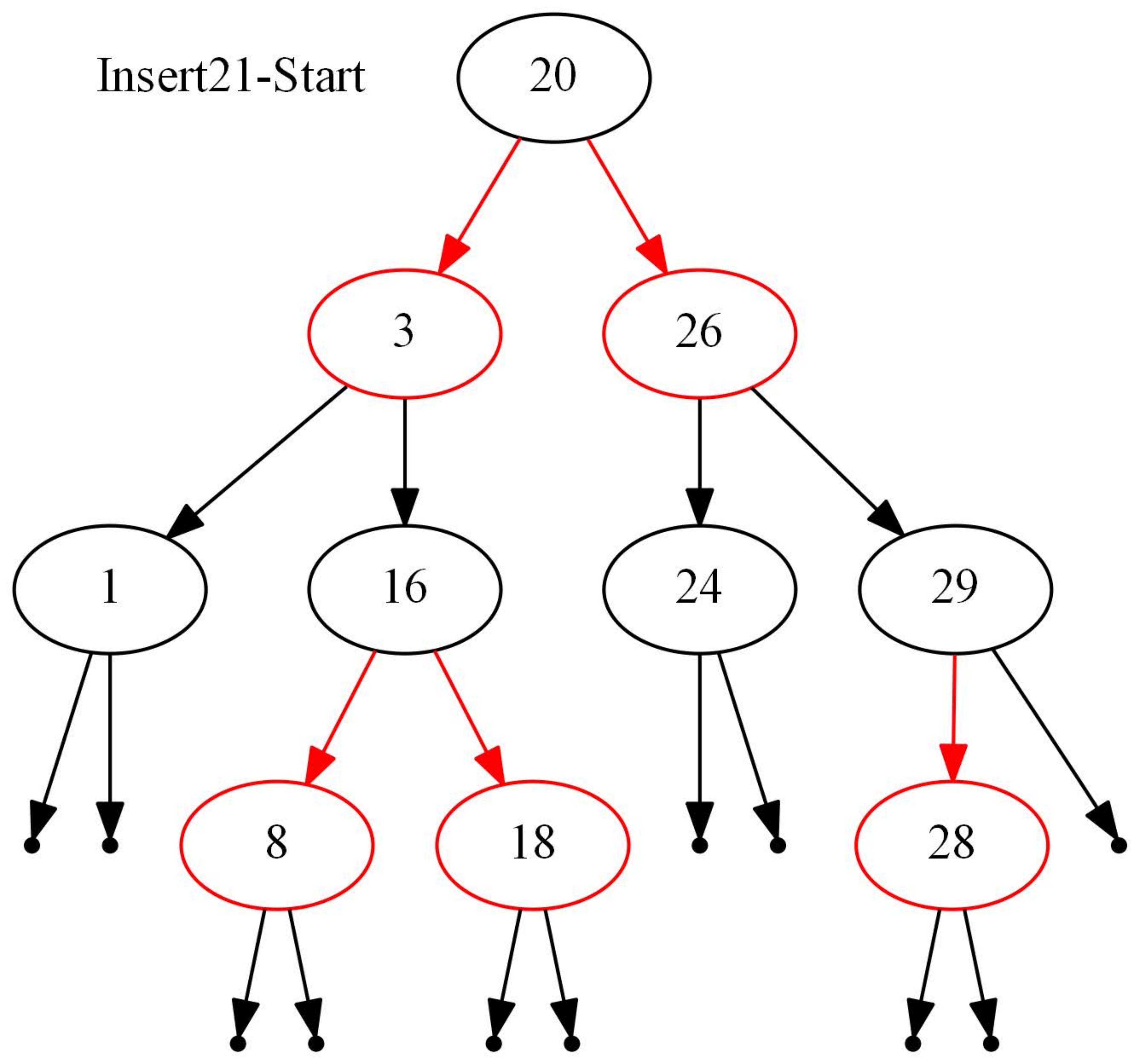




Insert 16-After-Bottom-up-pass

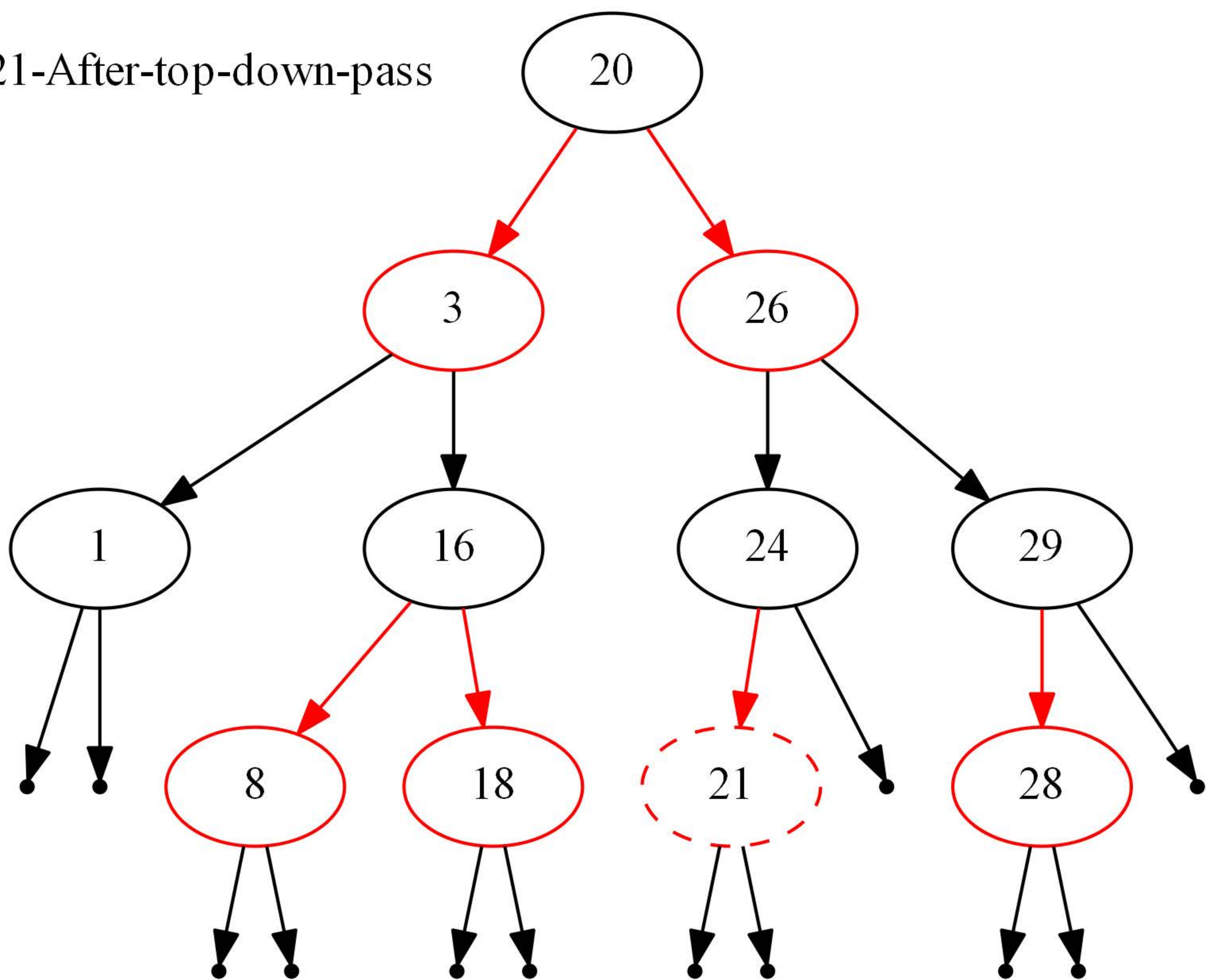


Insert21-Start

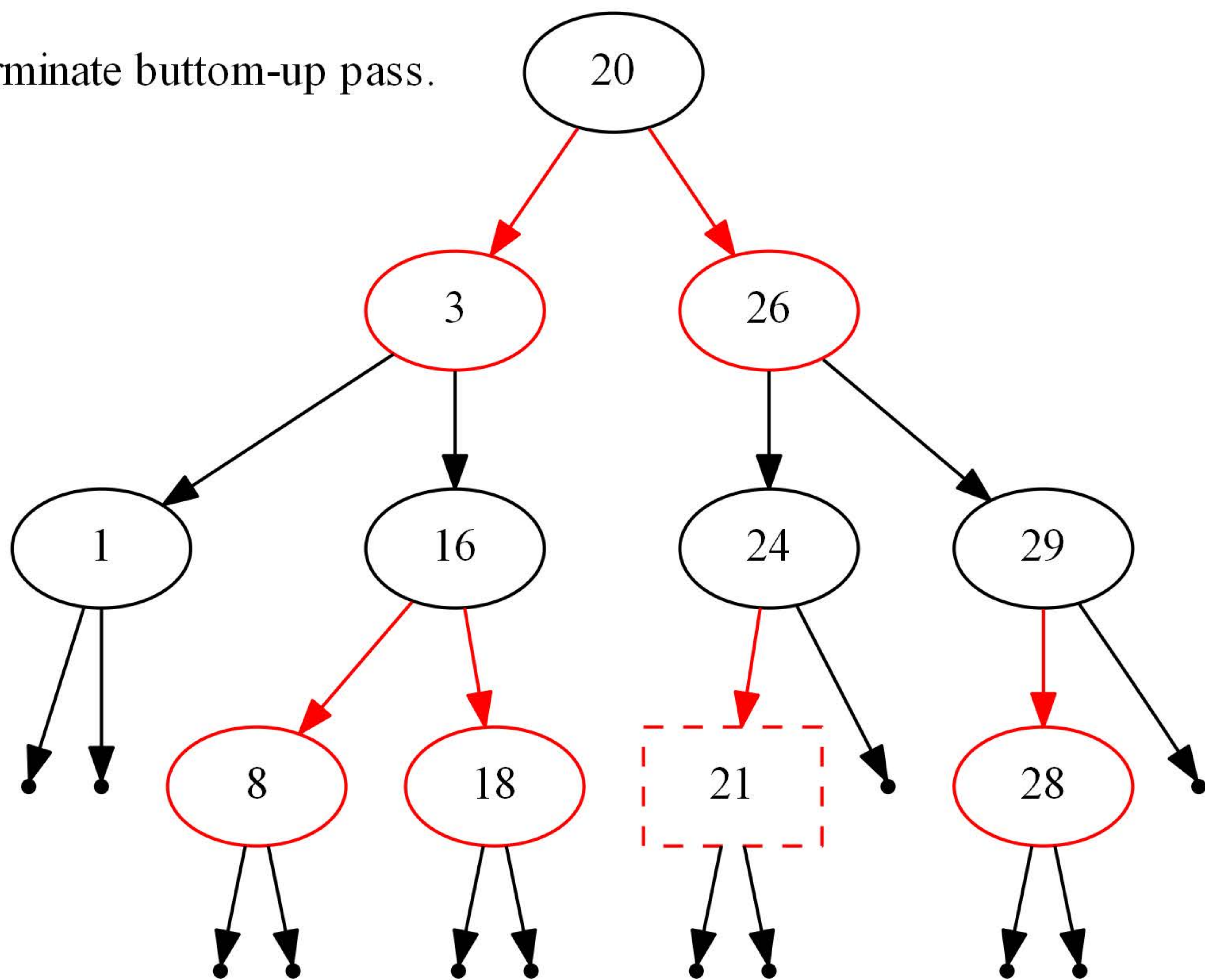




Insert21-After-top-down-pass

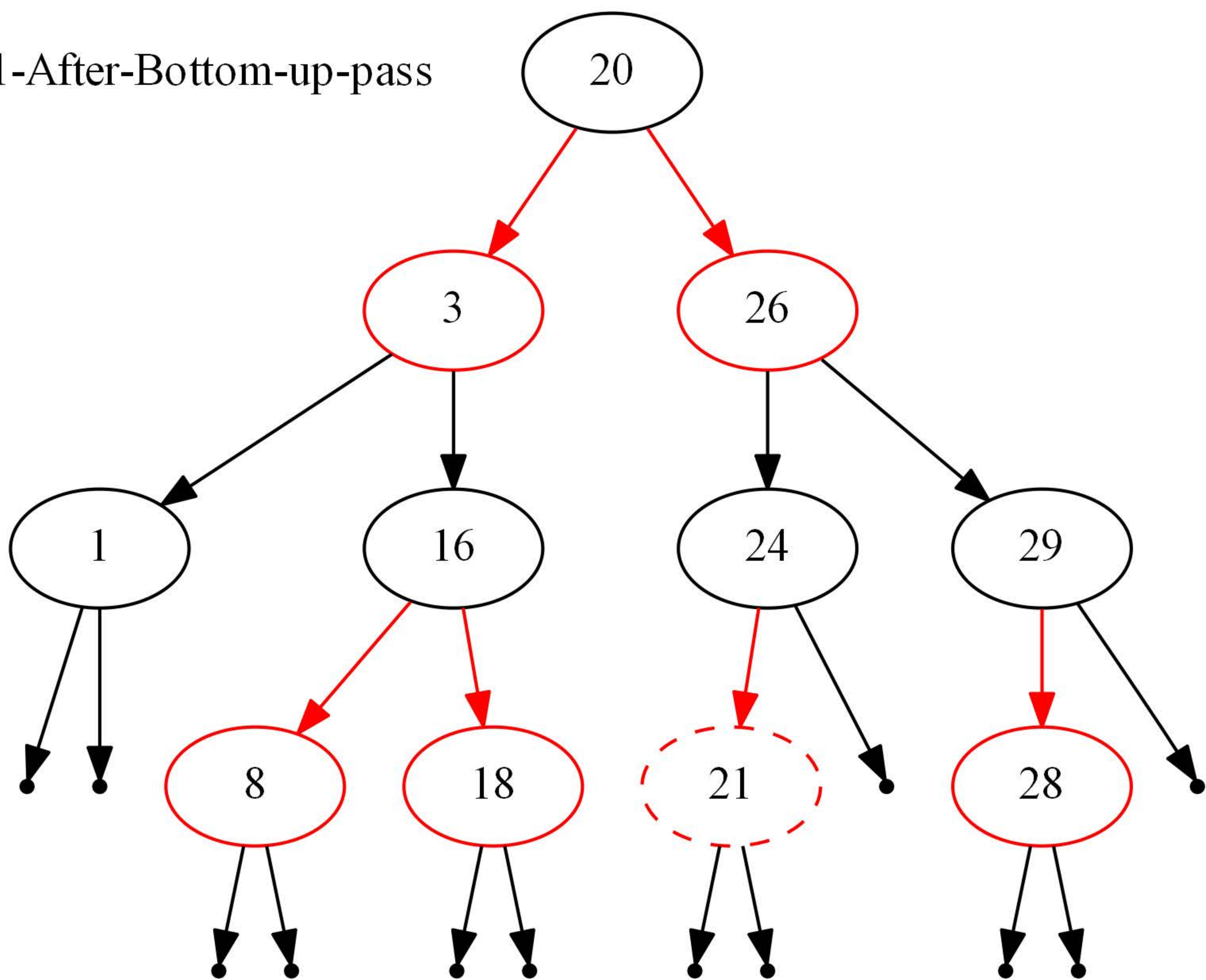


Parent is Black. Terminate bottom-up pass.



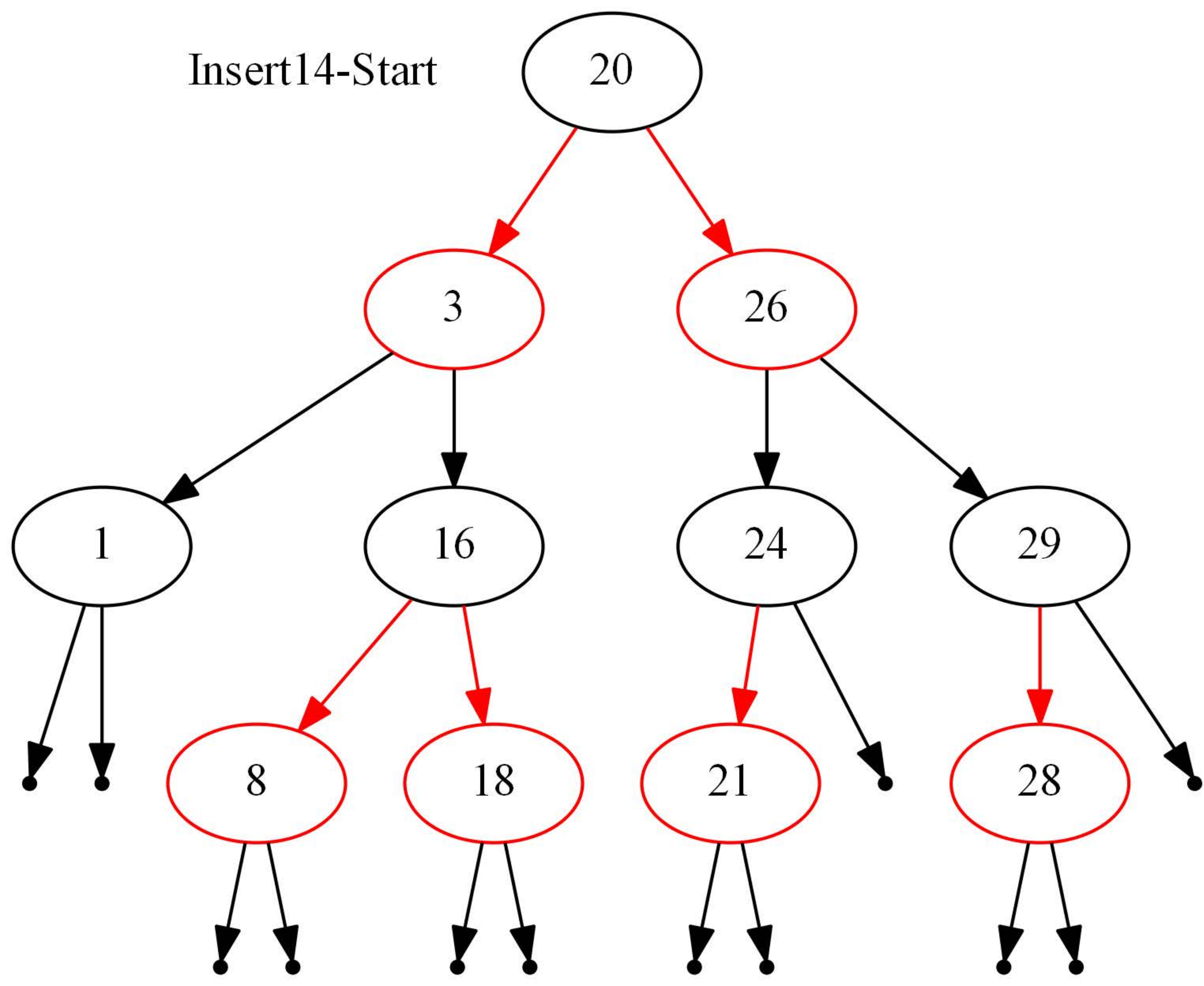


Insert21-After-Bottom-up-pass



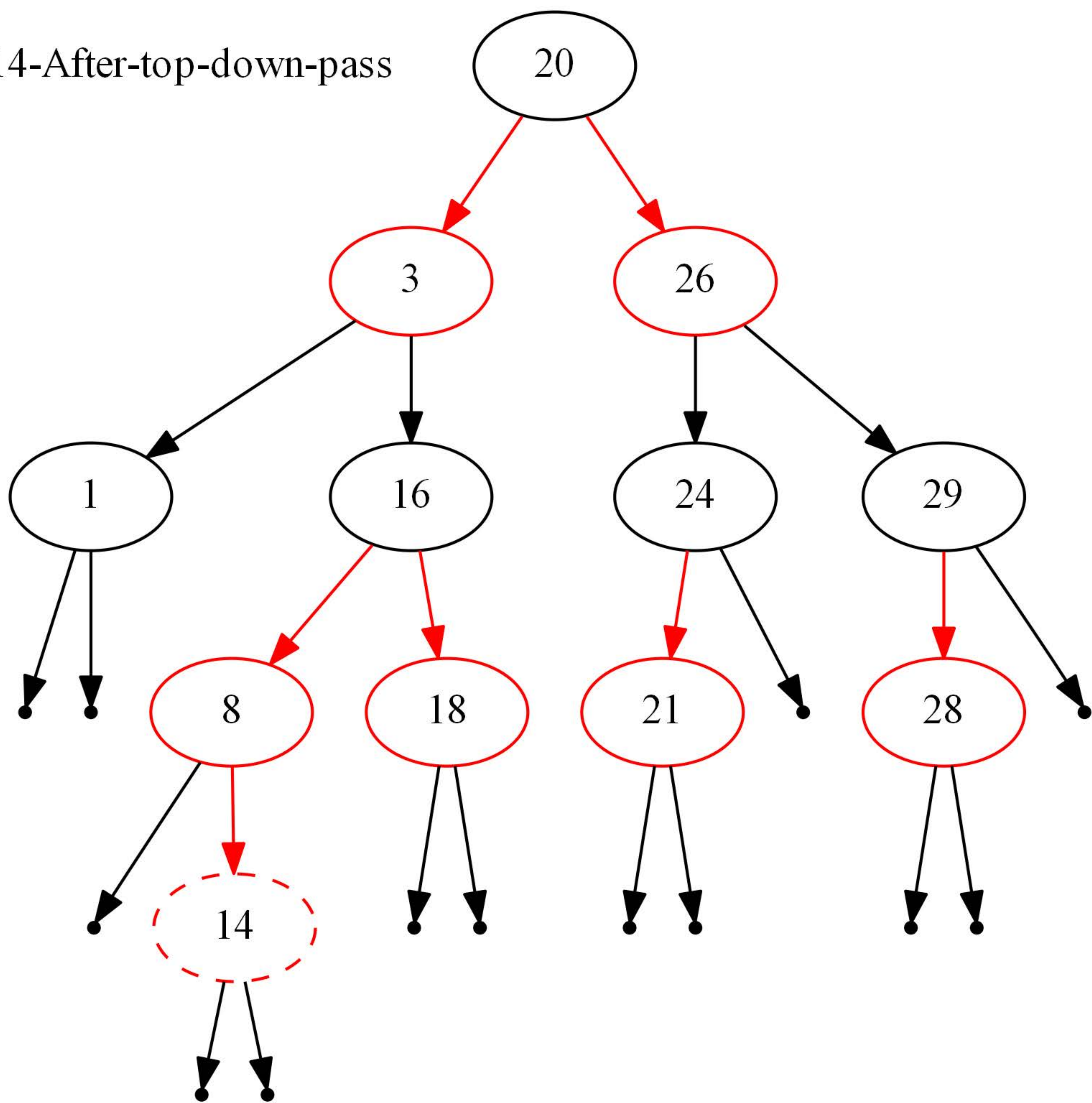


Insert14-Start



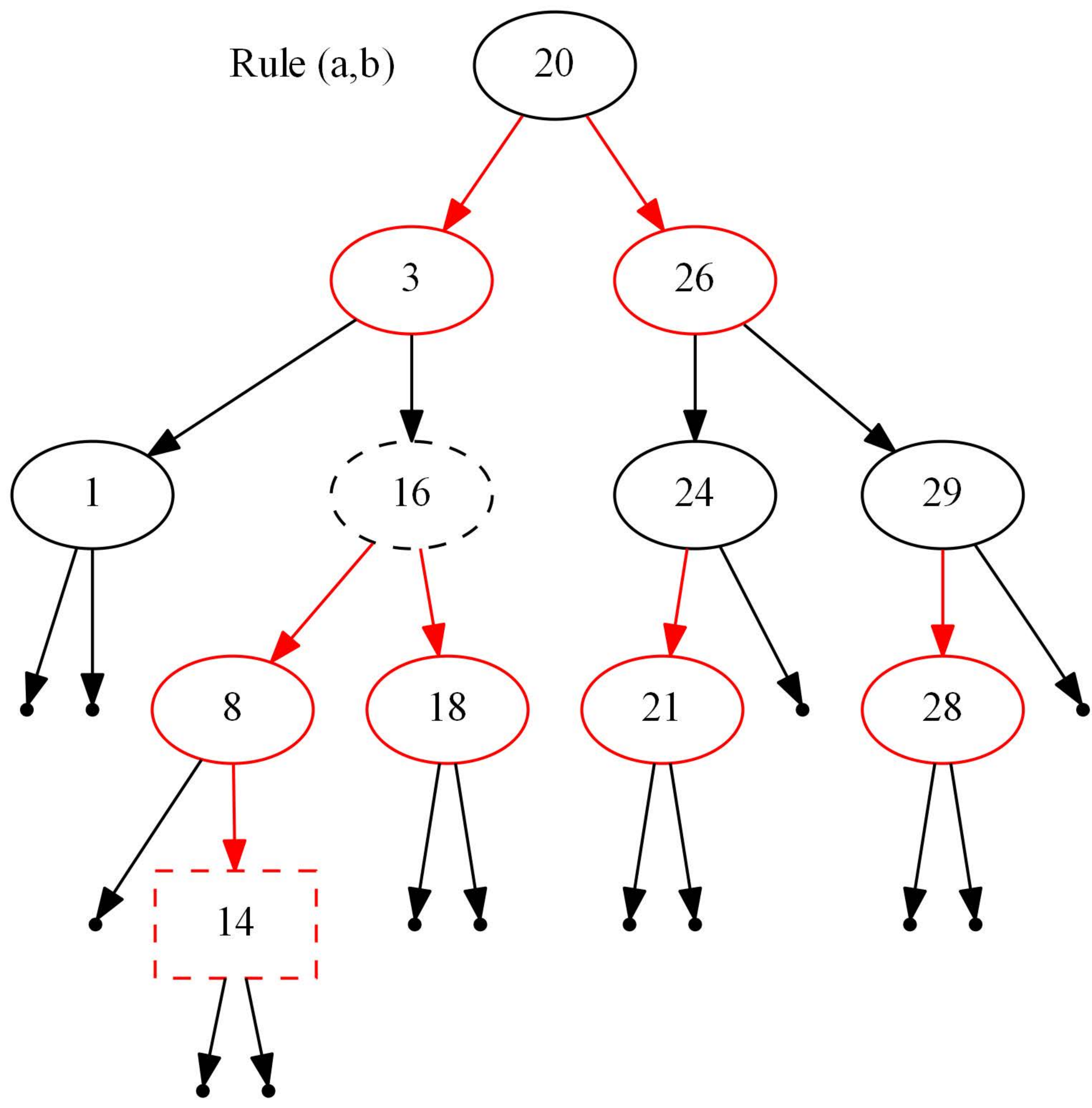


Insert 14-After-top-down-pass



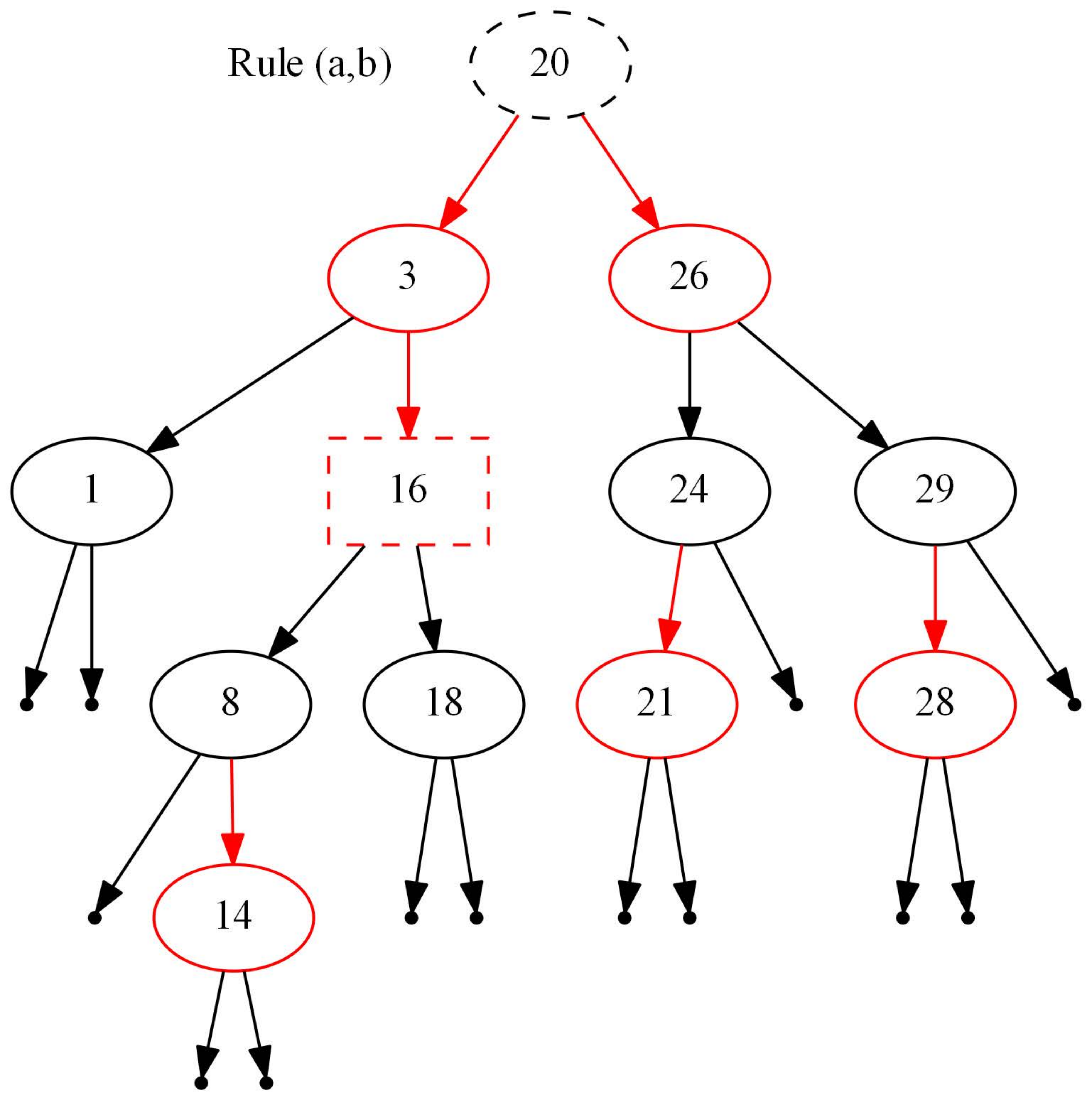


Rule (a,b)



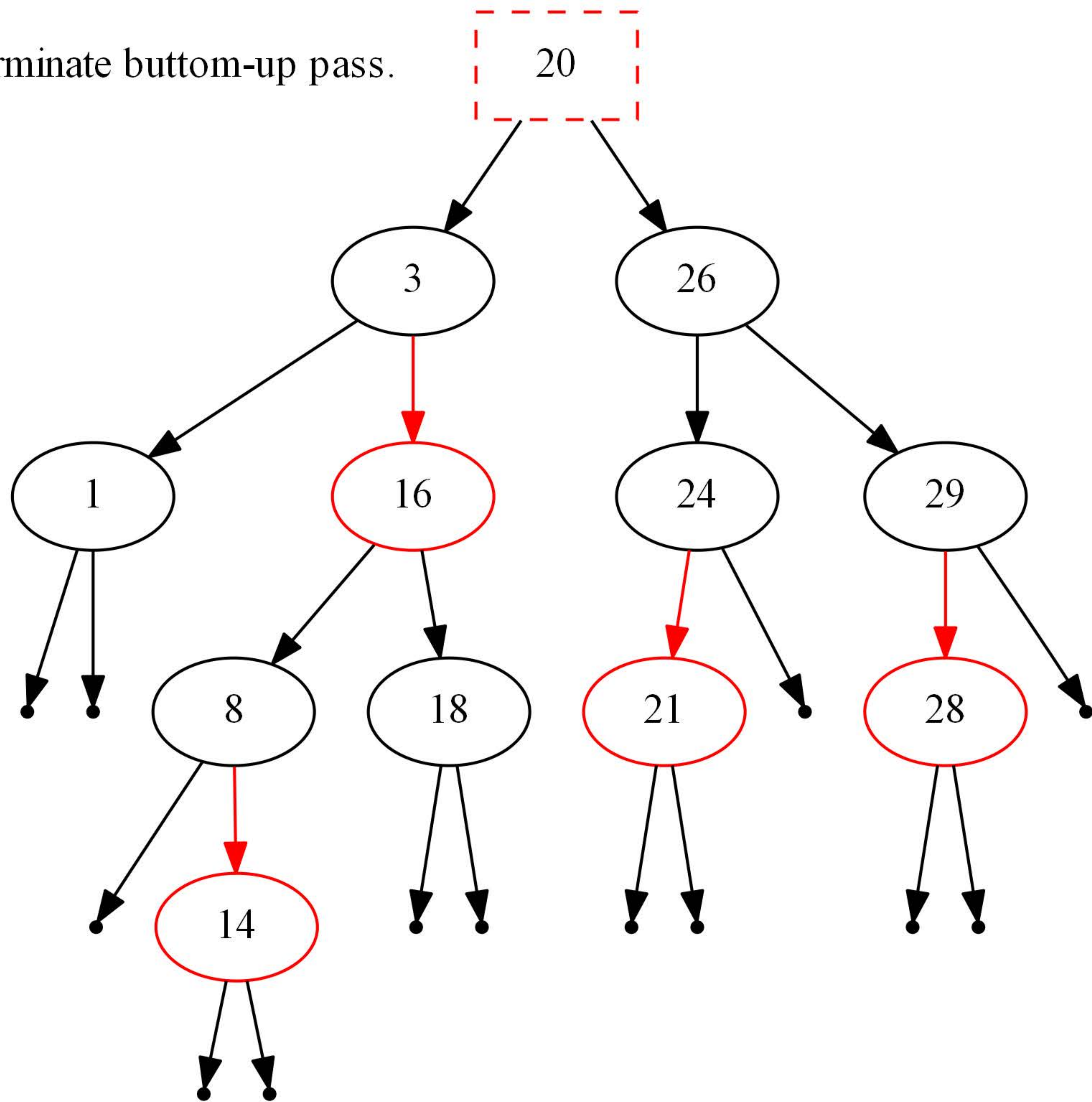


Rule (a,b)



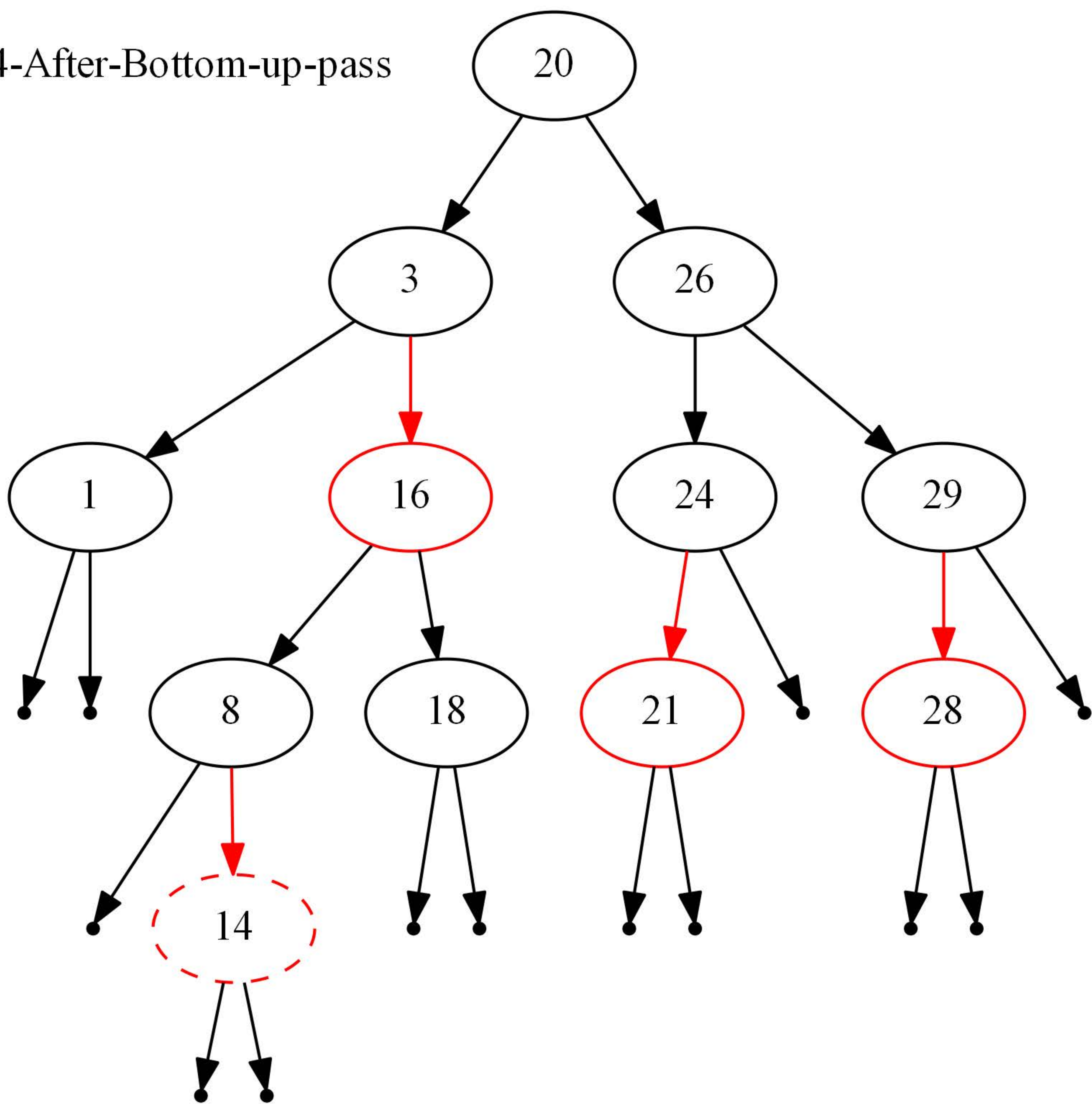


Parent is Black. Terminate bottom-up pass.



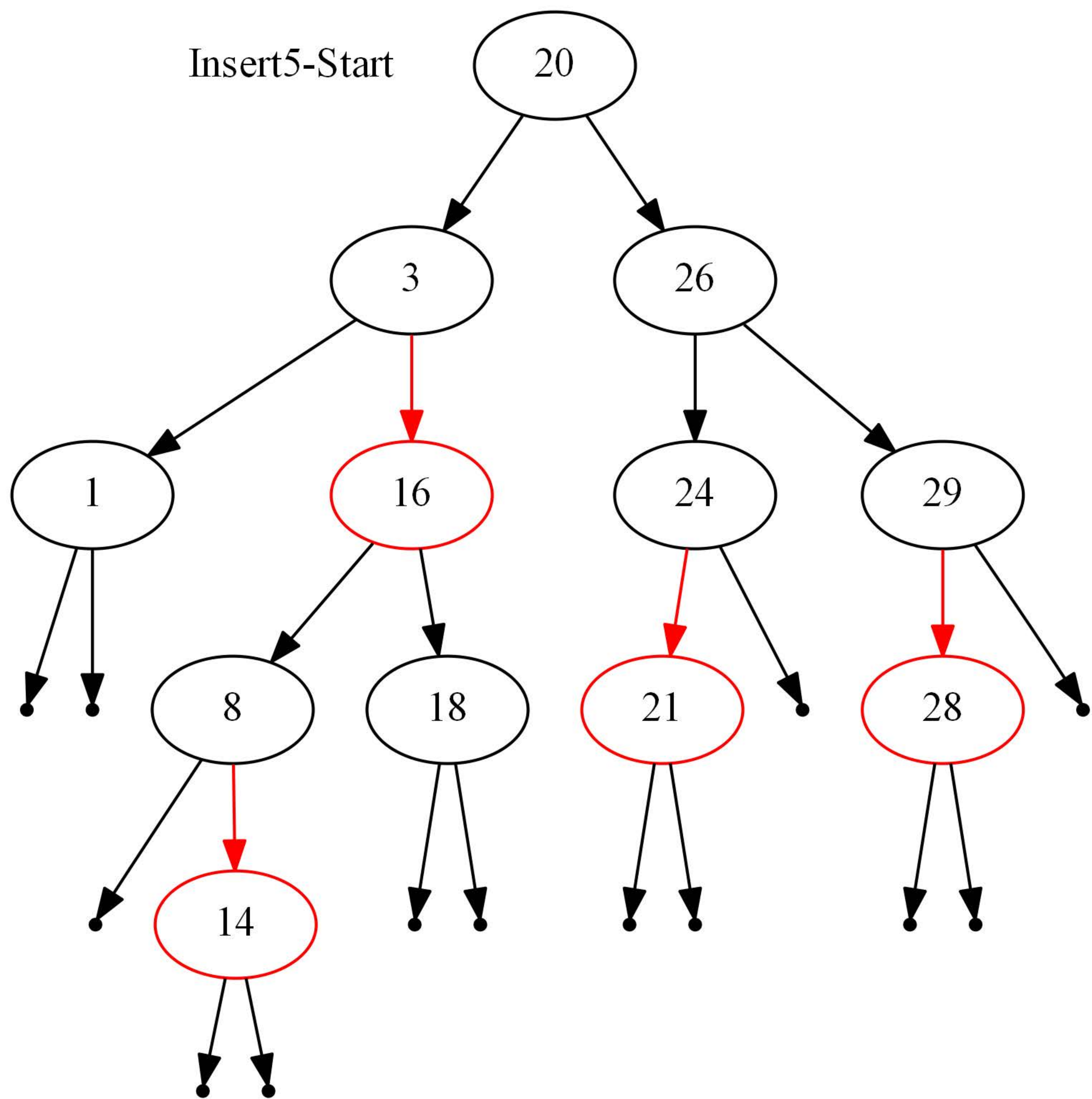


Insert 14-After-Bottom-up-pass



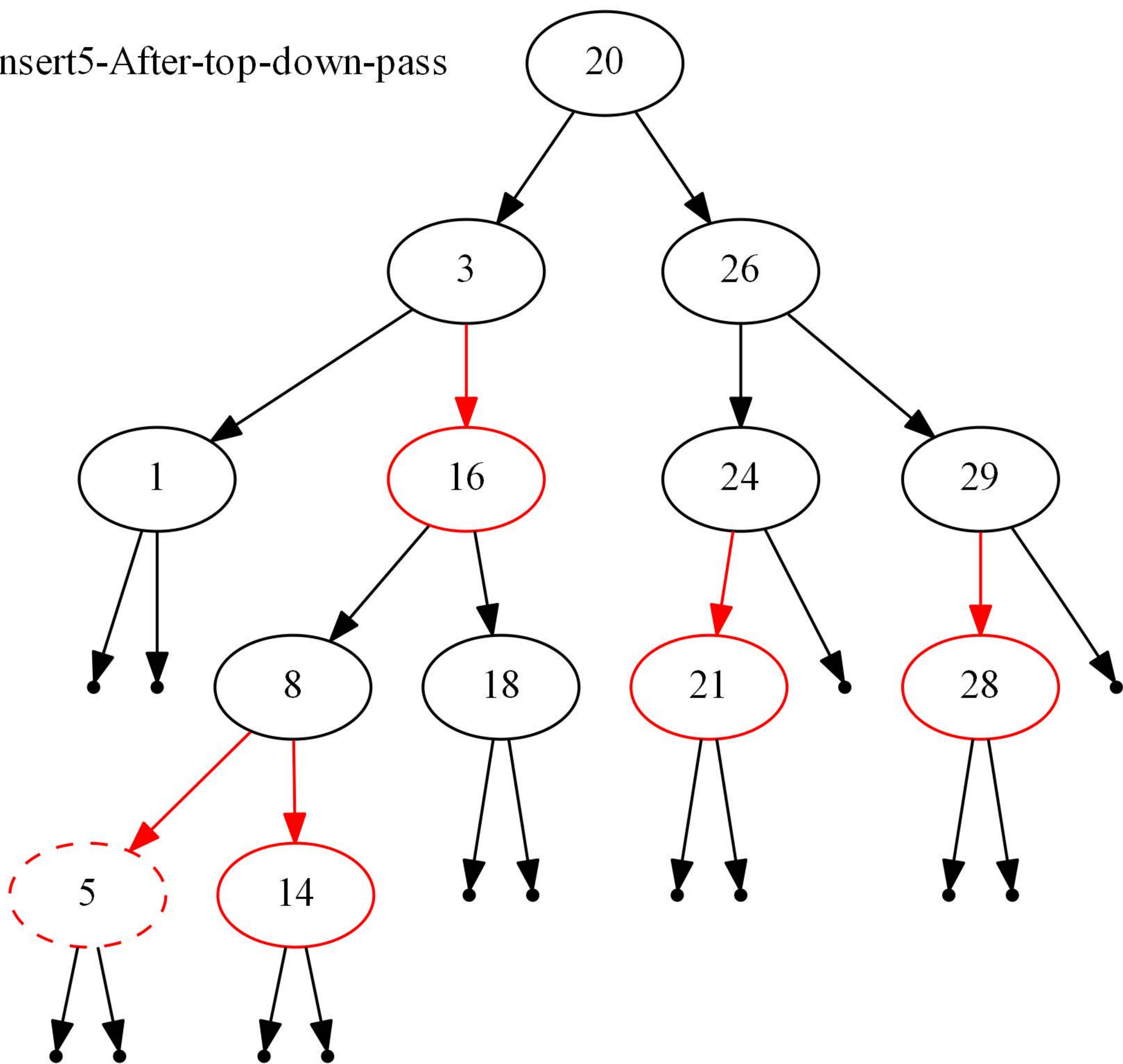


Insert5-Start





Insert5-After-top-down-pass

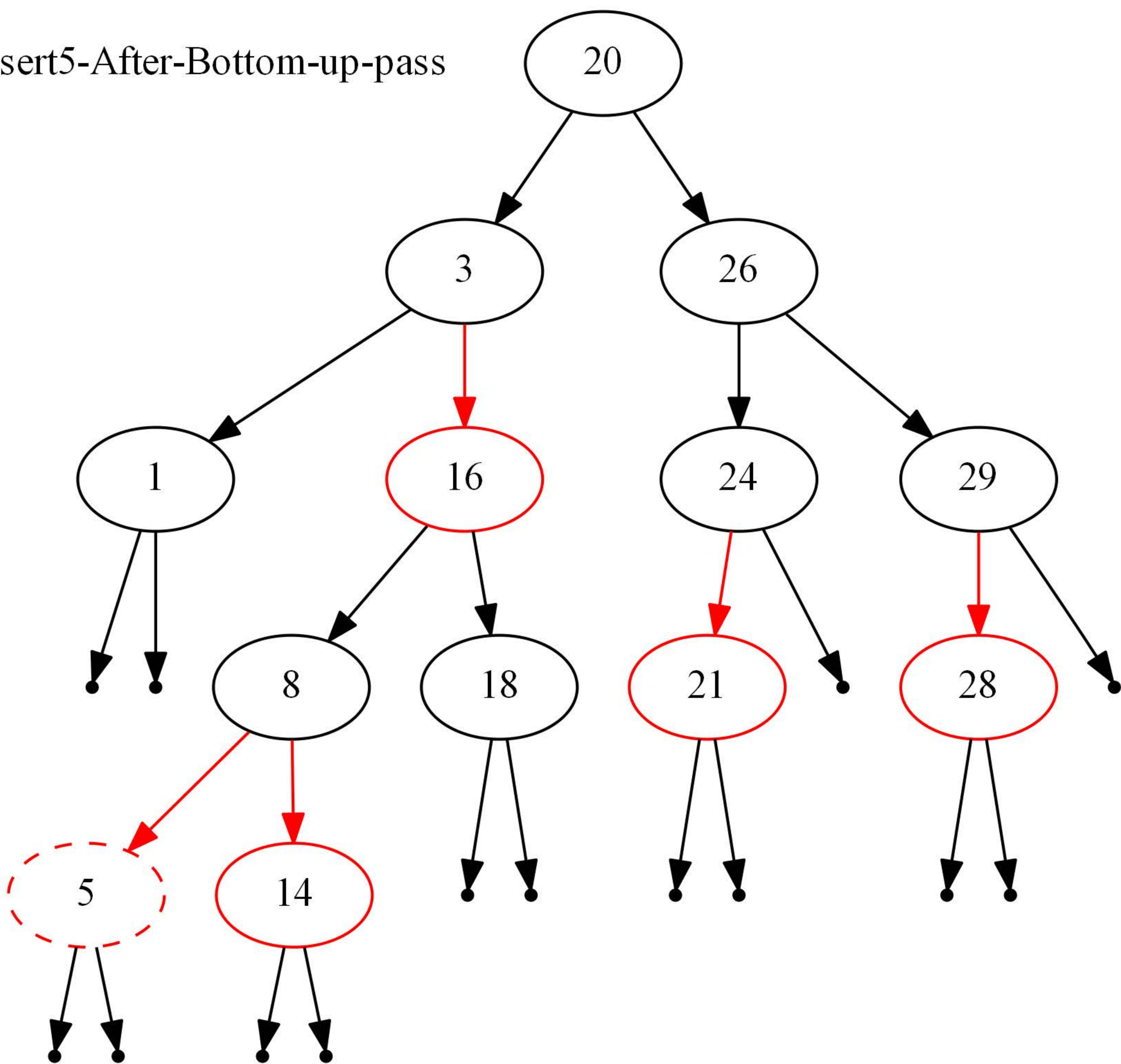








Insert5-After-Bottom-up-pass

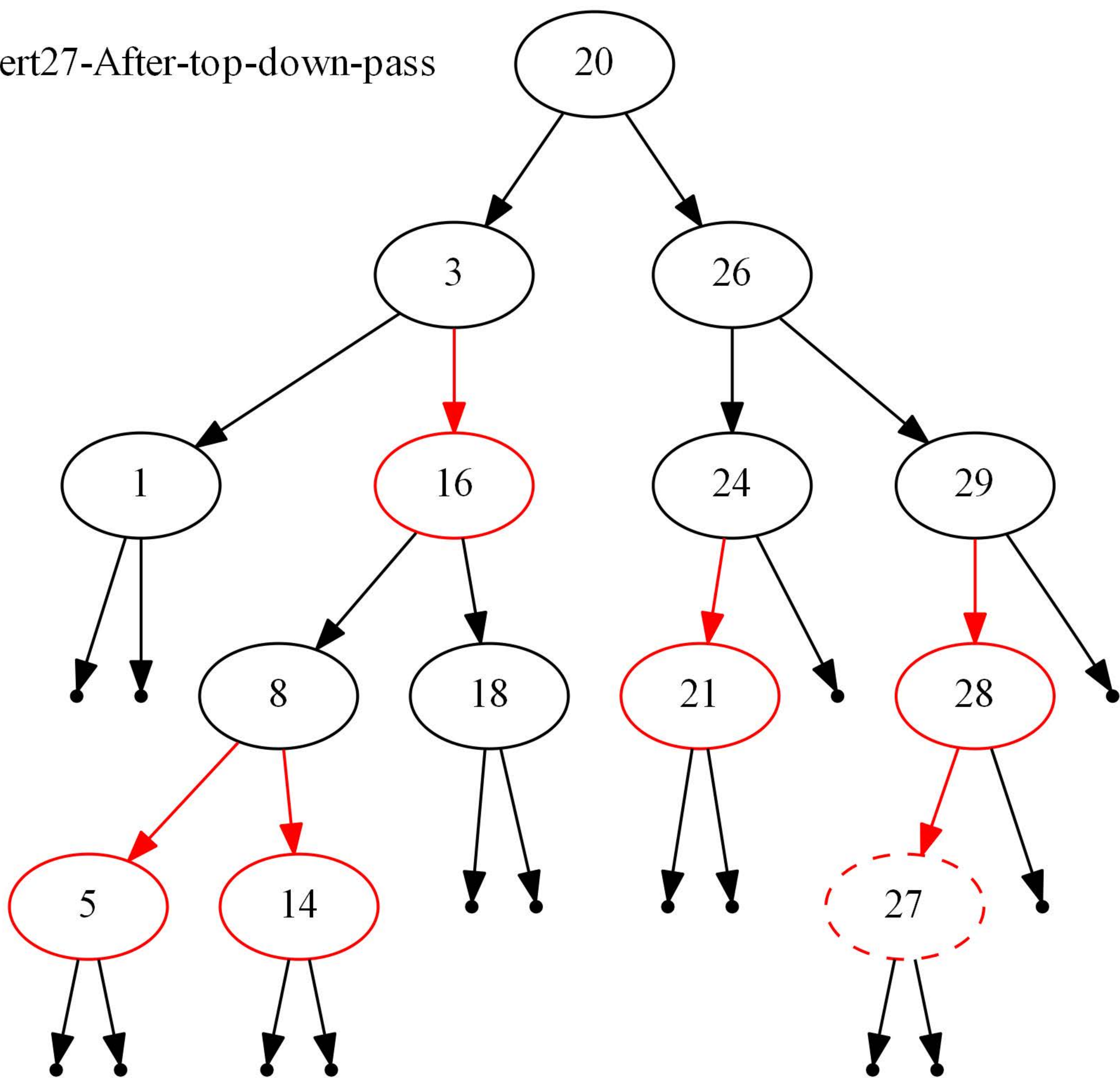






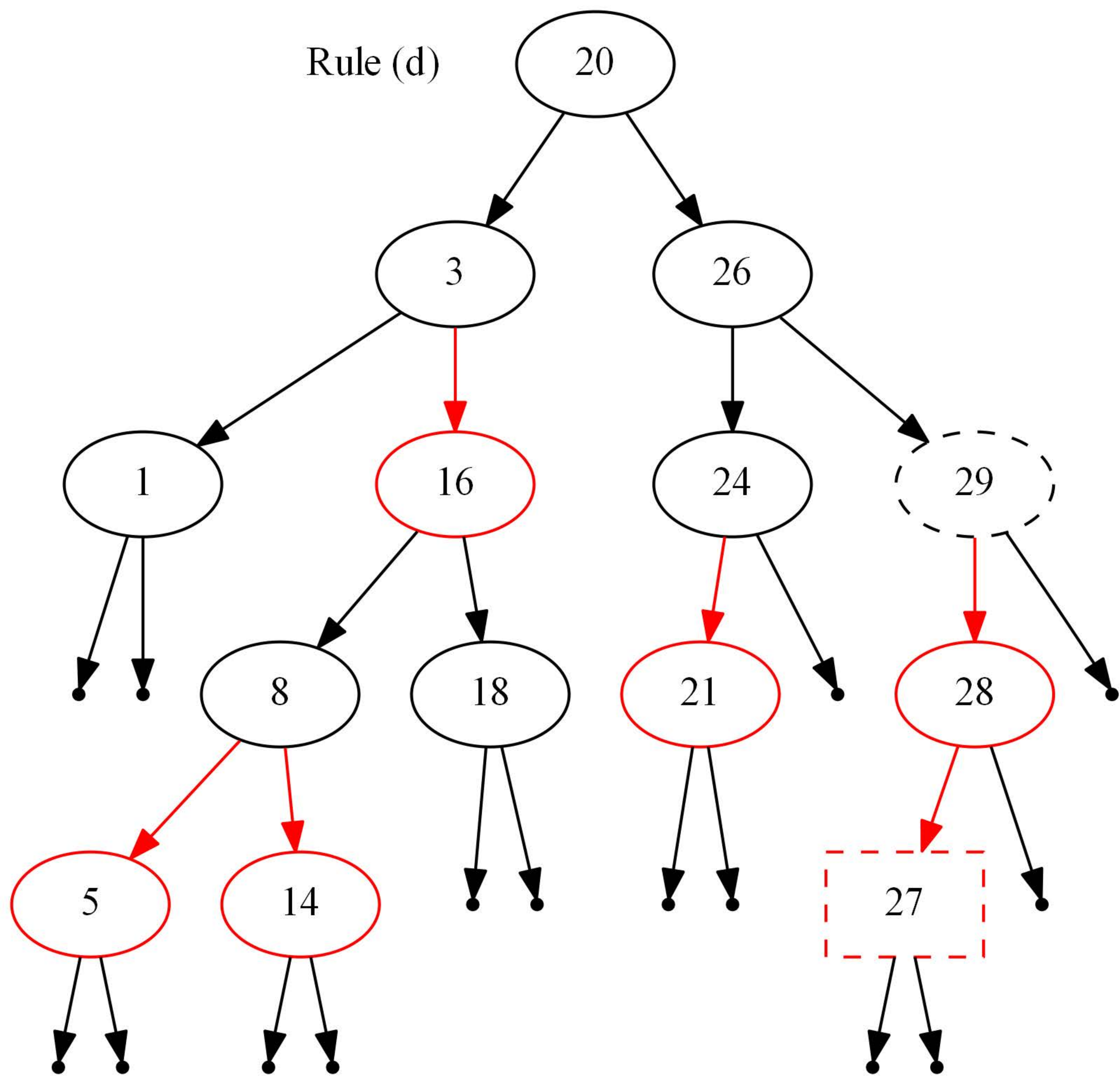


Insert27-After-top-down-pass





Rule (d)

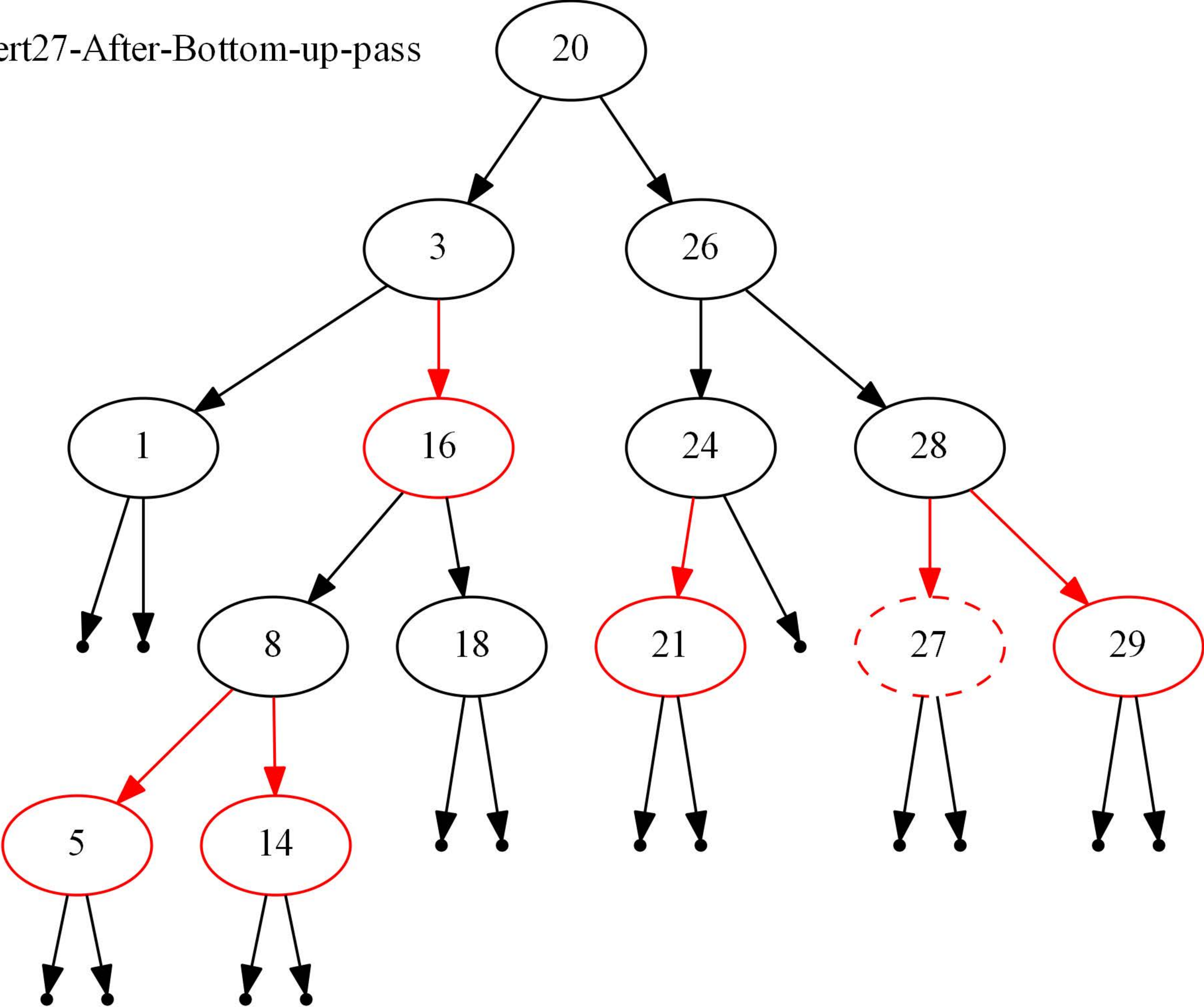








Insert27-After-Bottom-up-pass

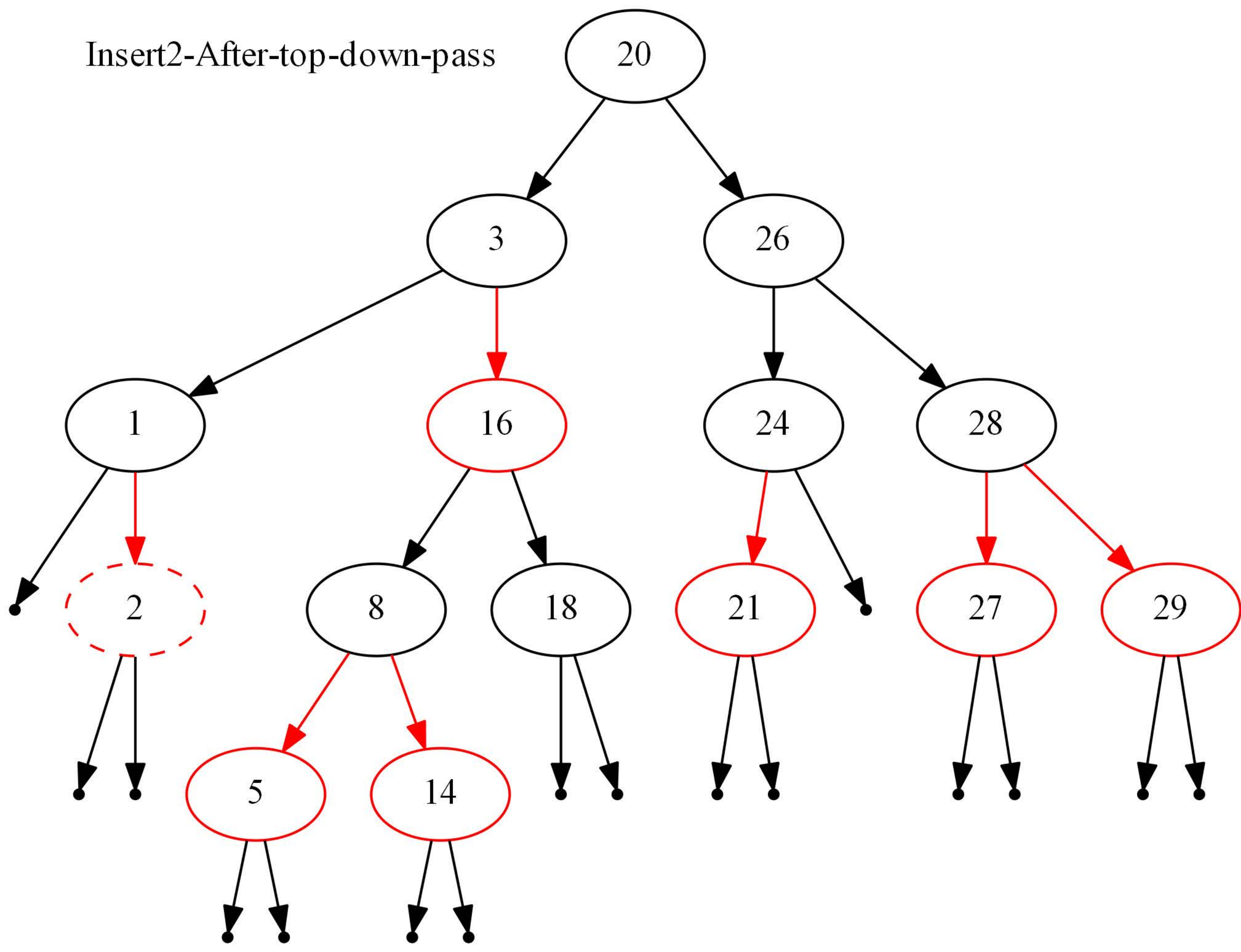






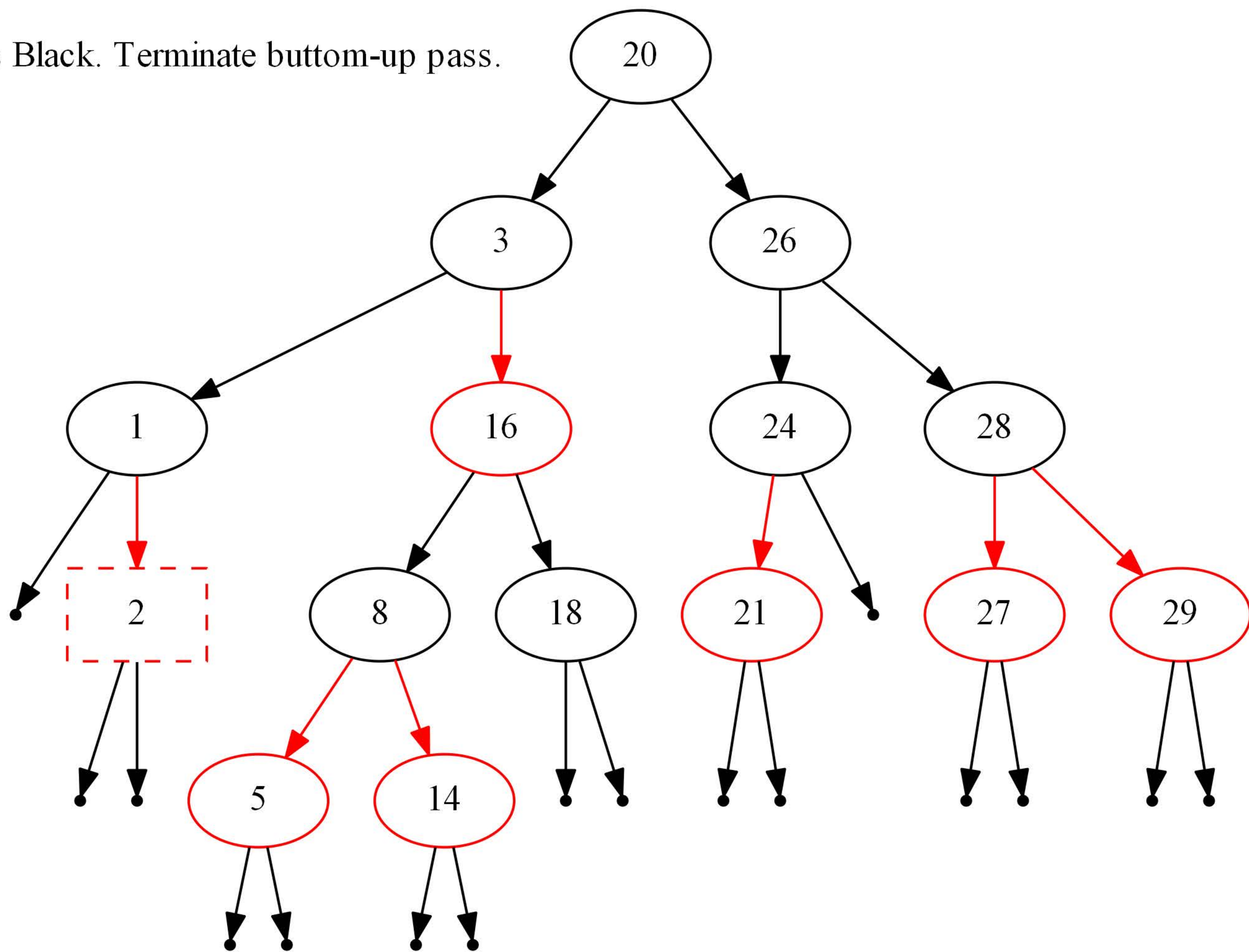


Insert2-After-top-down-pass



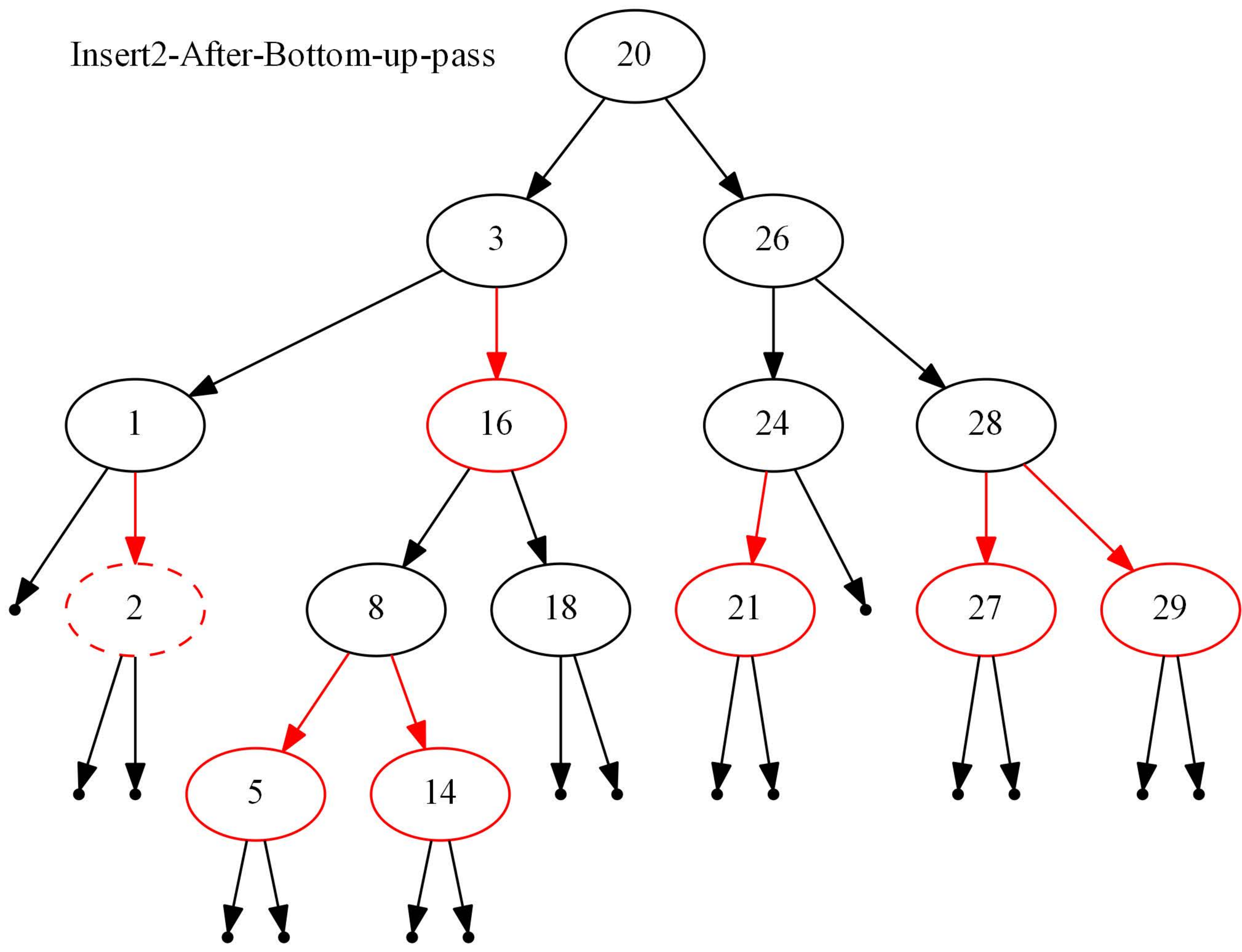


Parent is Black. Terminate buttom-up pass.



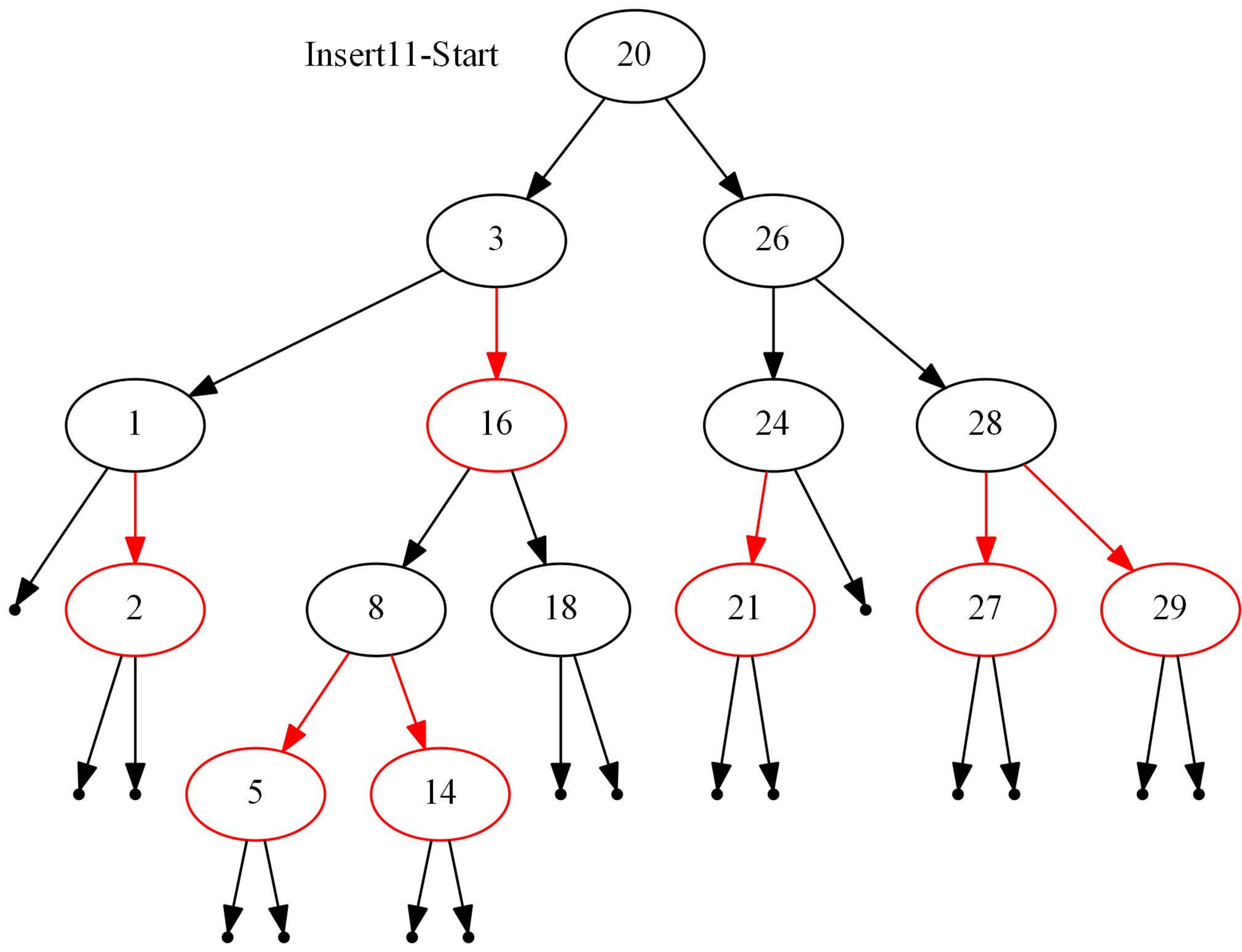


Insert2-After-Bottom-up-pass



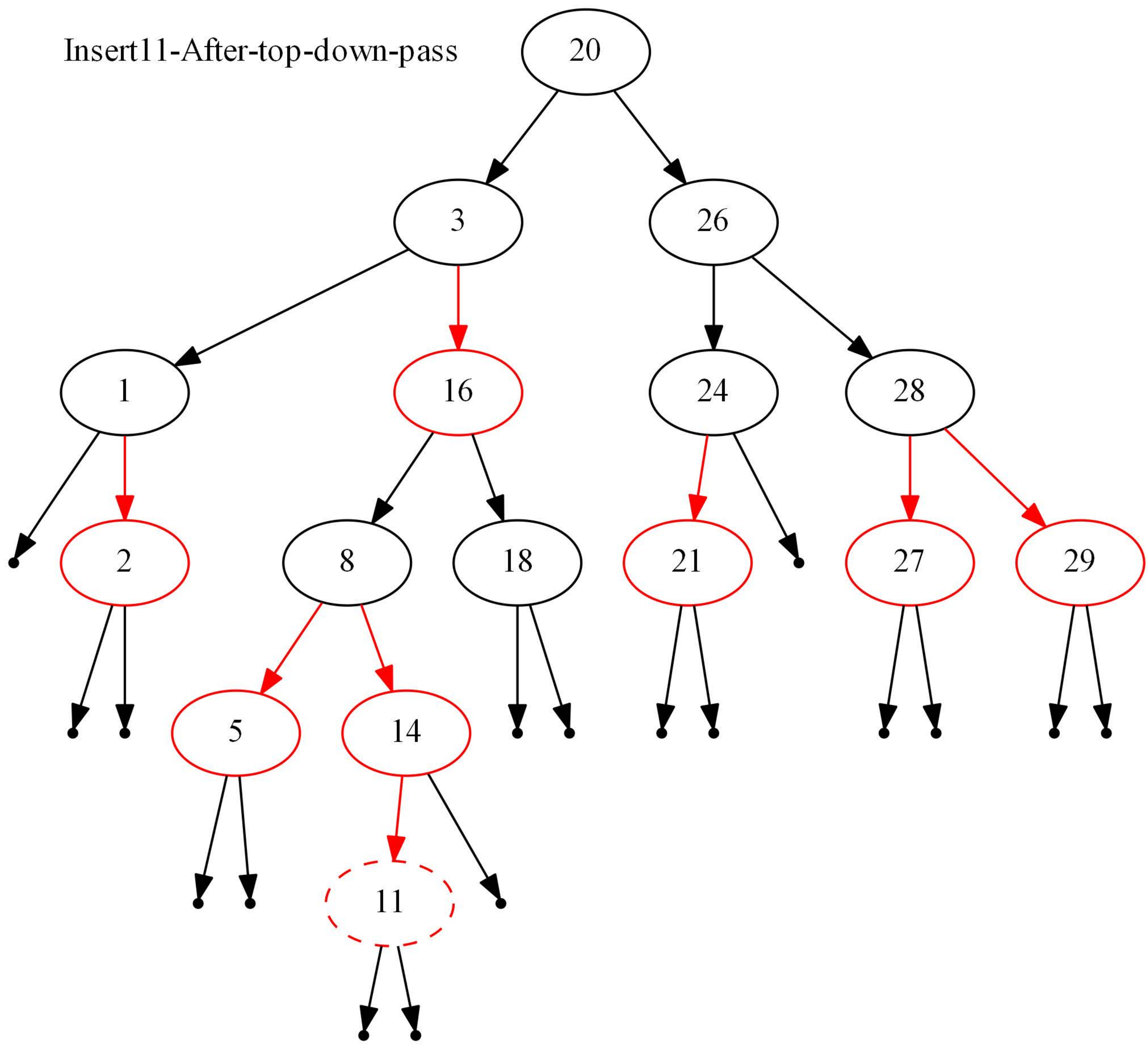


Insert 11-Start



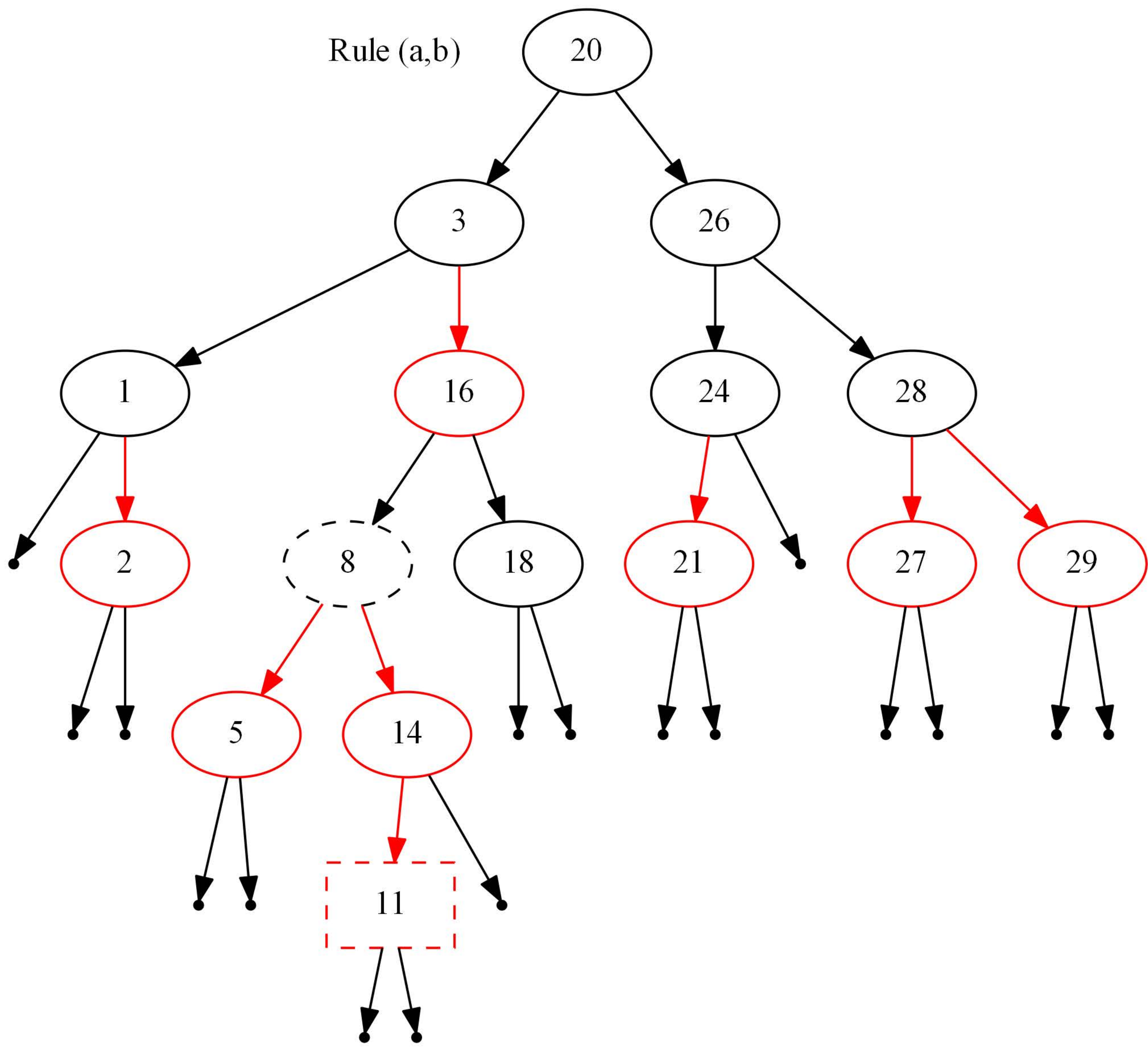


Insert 11-After-top-down-pass



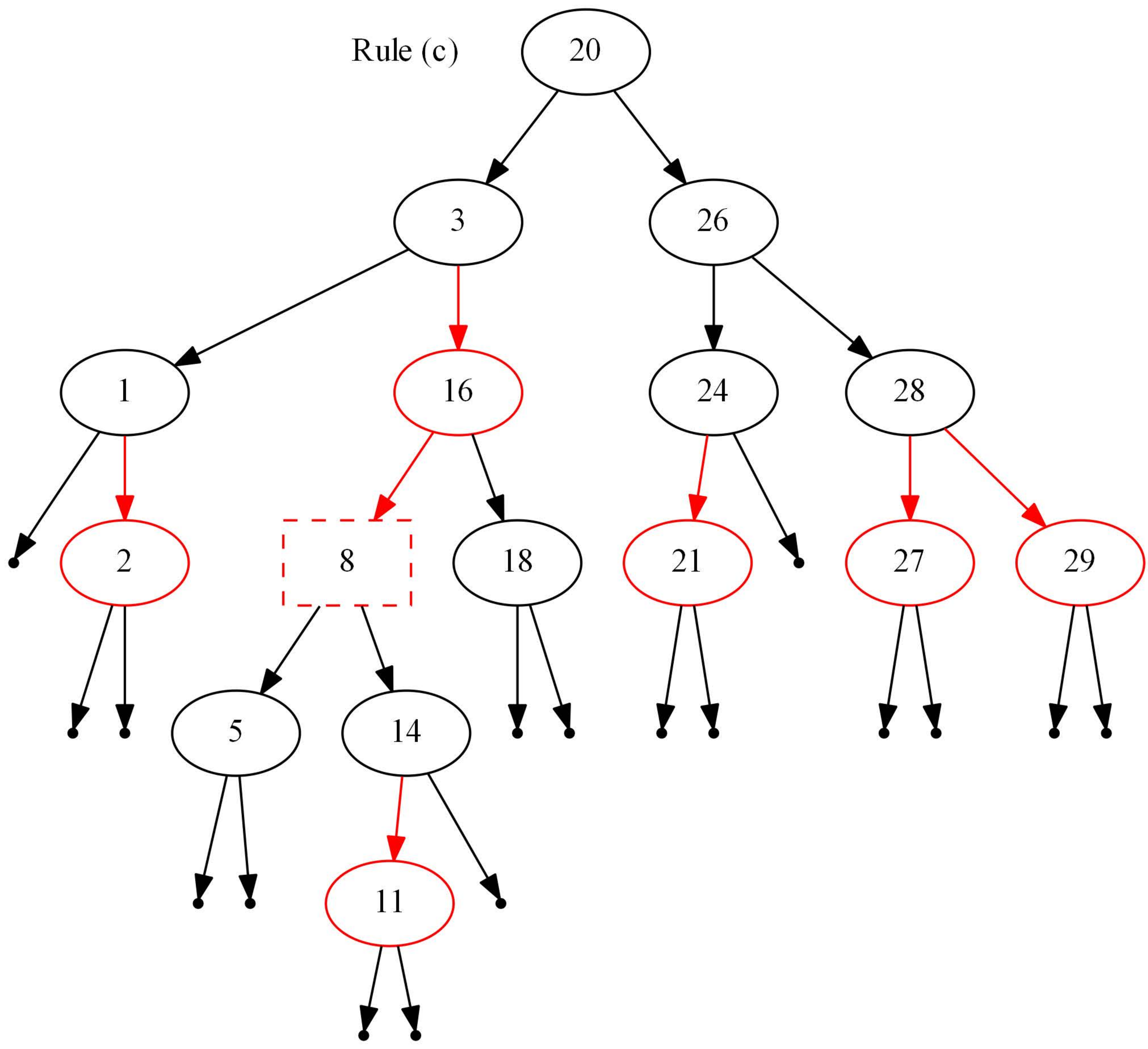


Rule (a,b)



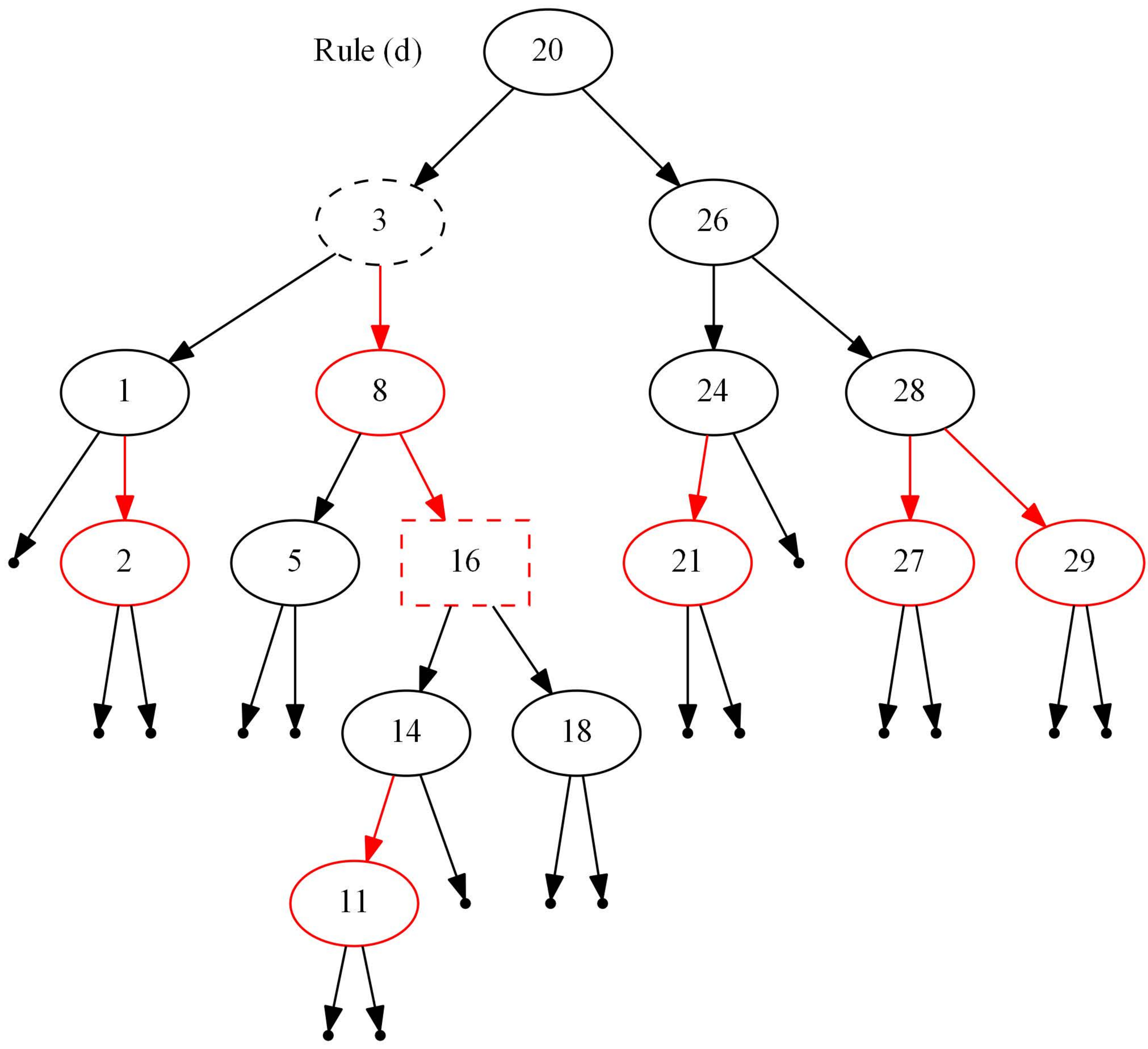


Rule (c)



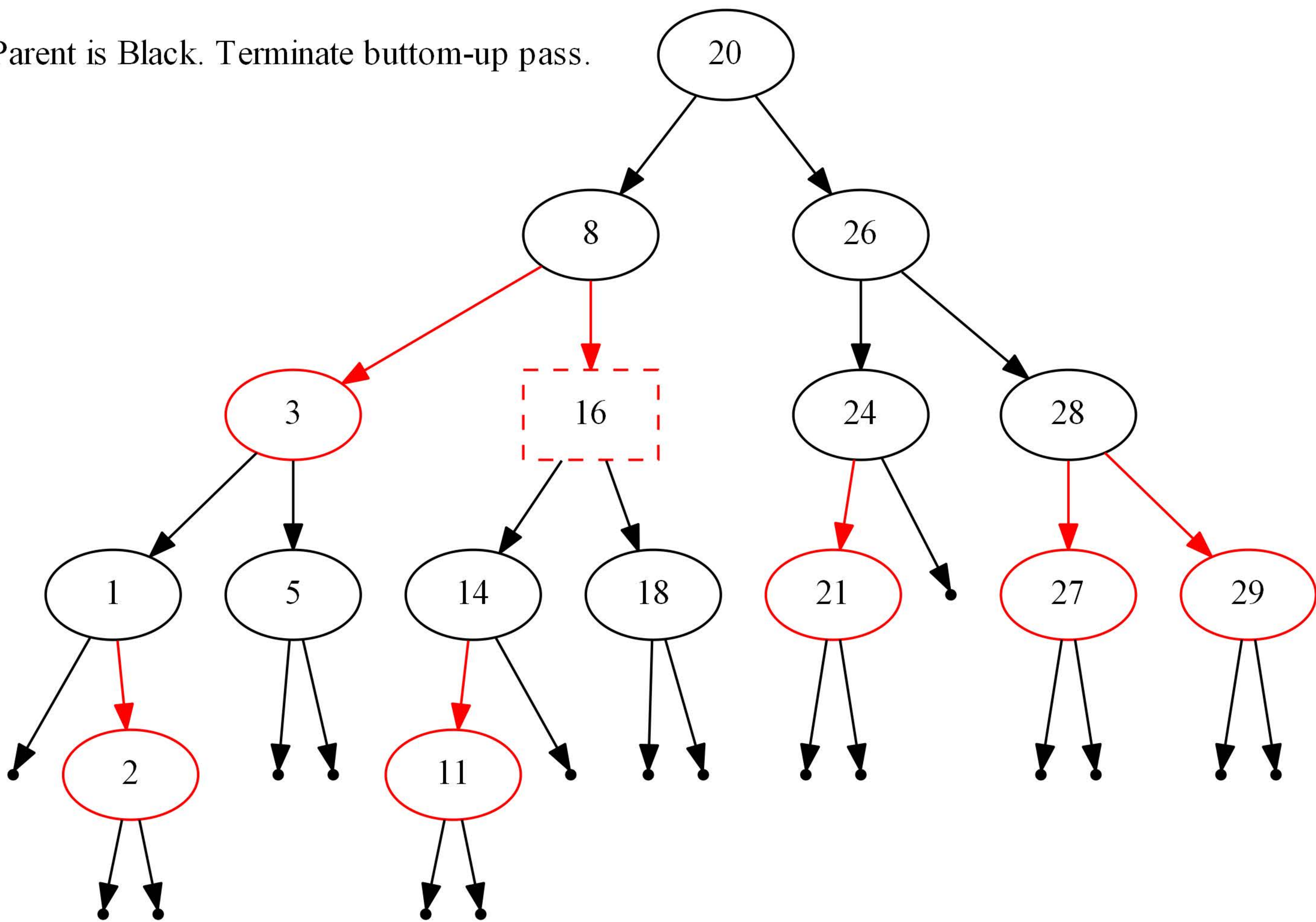


Rule (d)



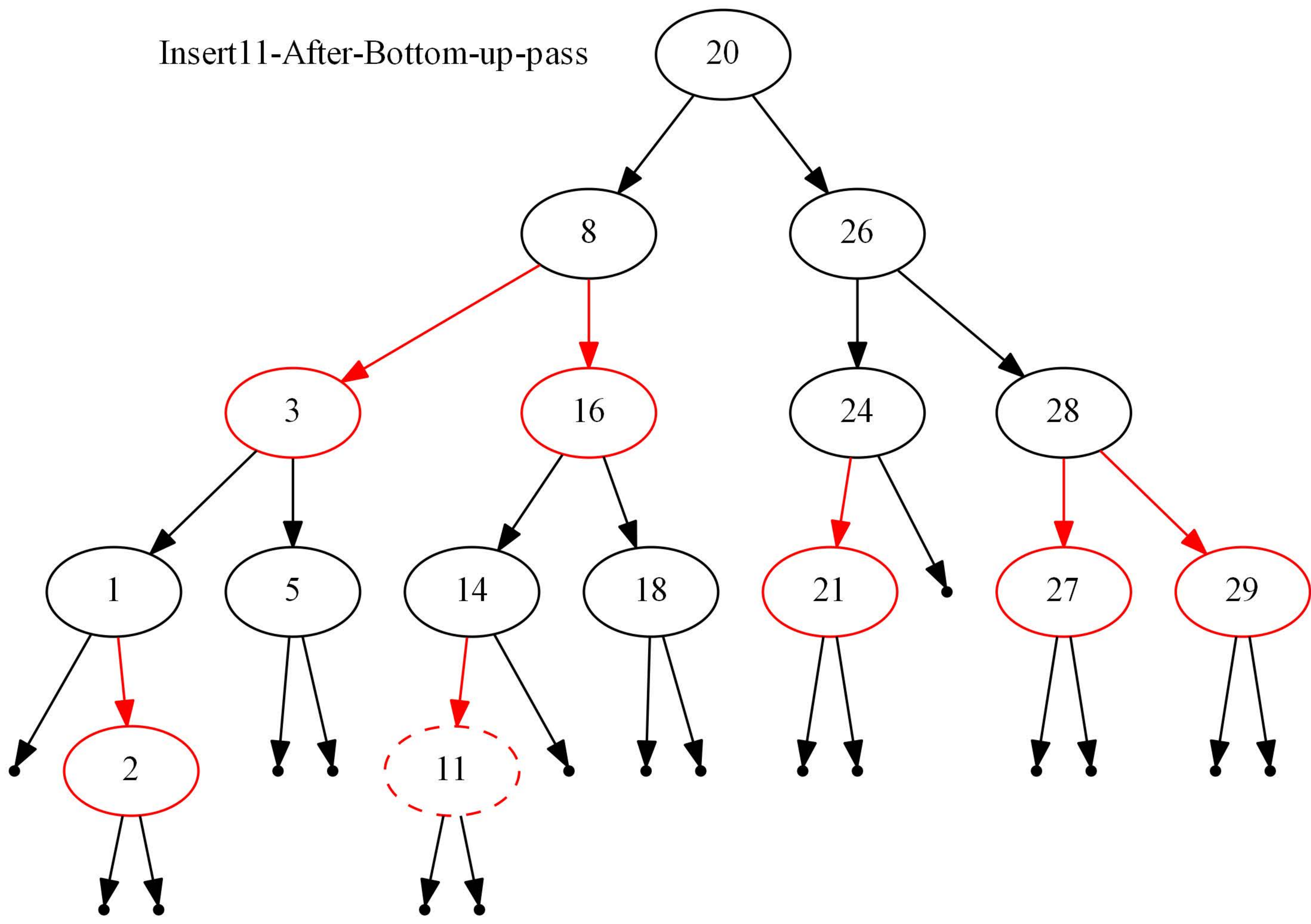


Parent is Black. Terminate bottom-up pass.



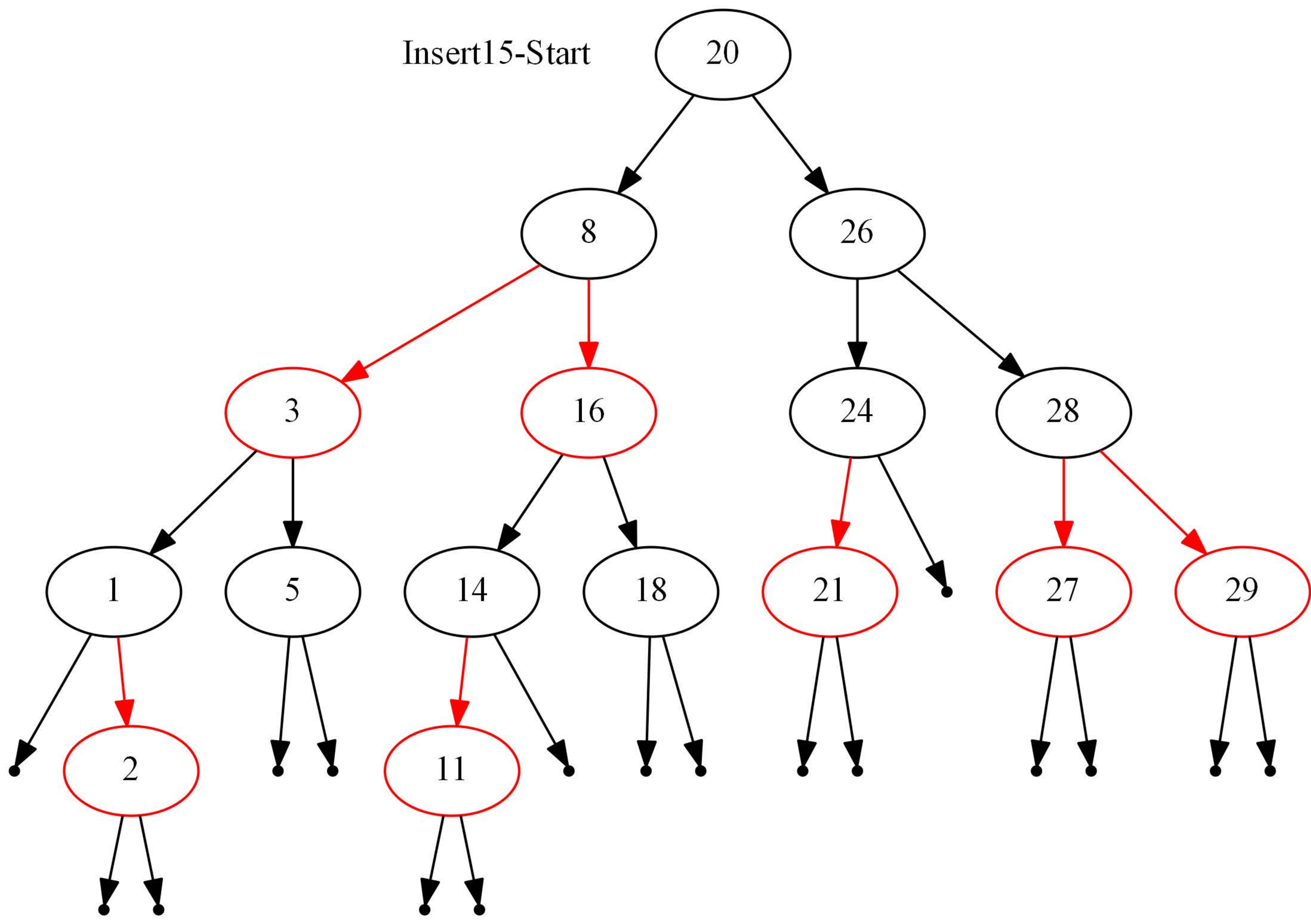


Insert 11-After-Bottom-up-pass



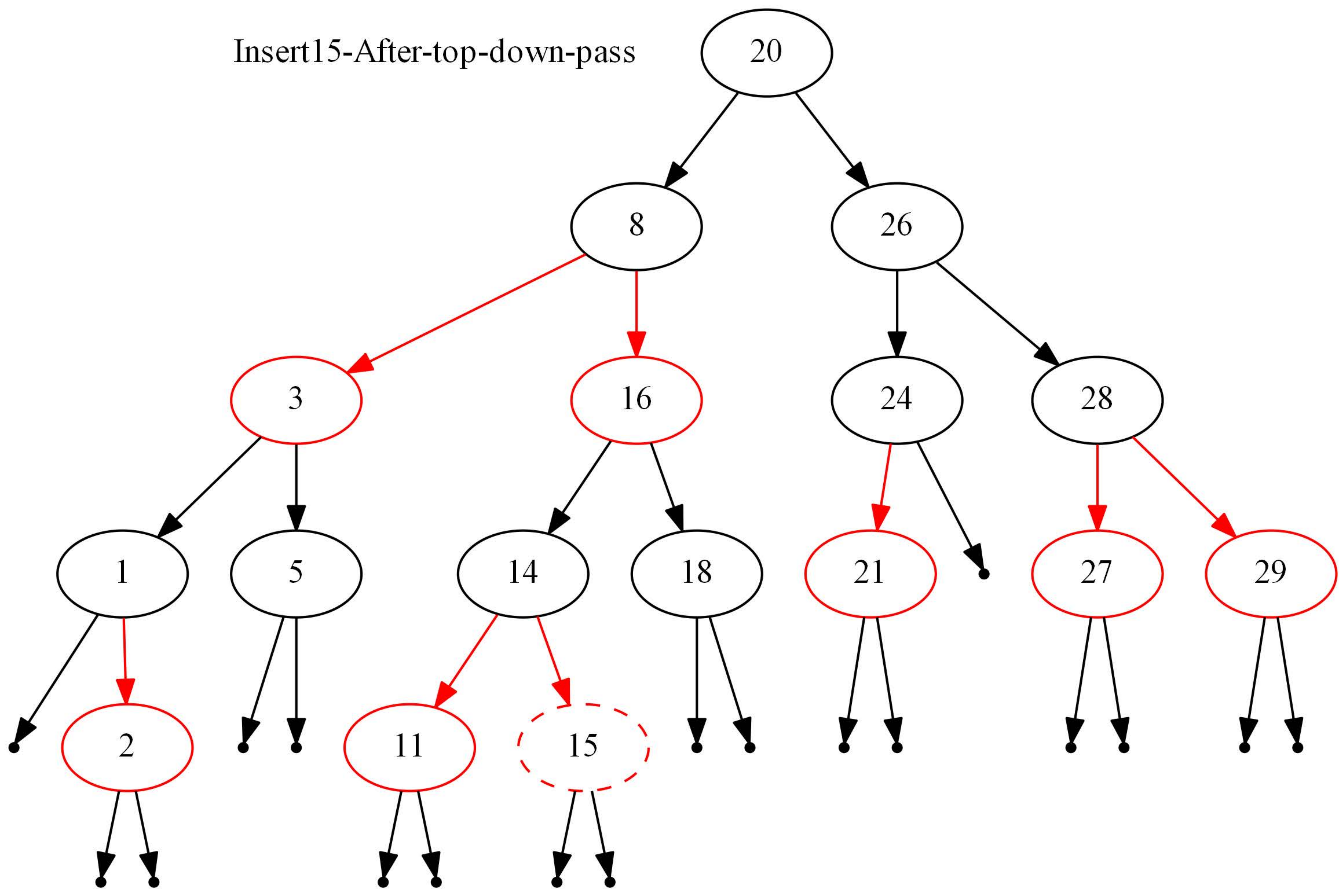


Insert15-Start



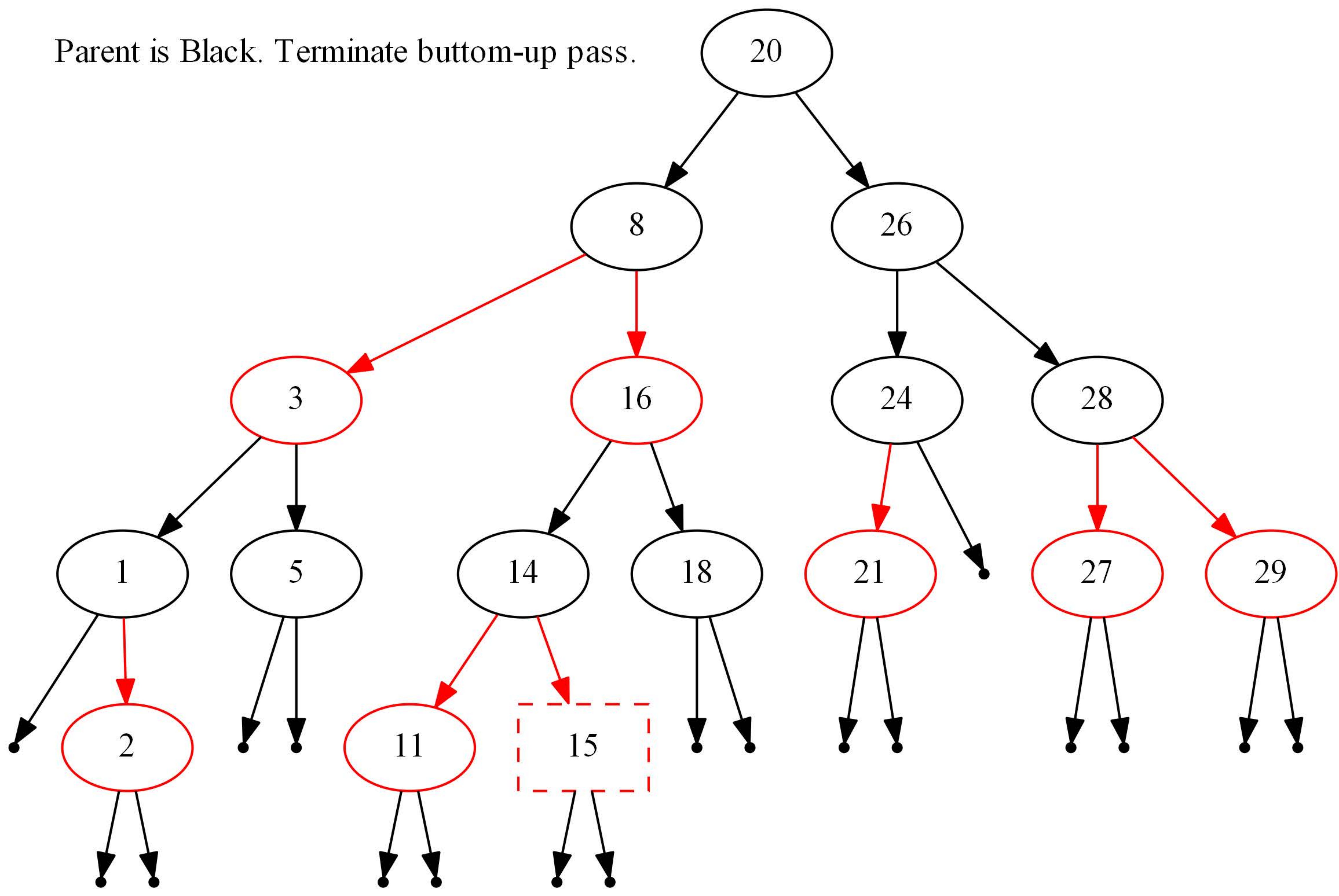


Insert 15-After-top-down-pass



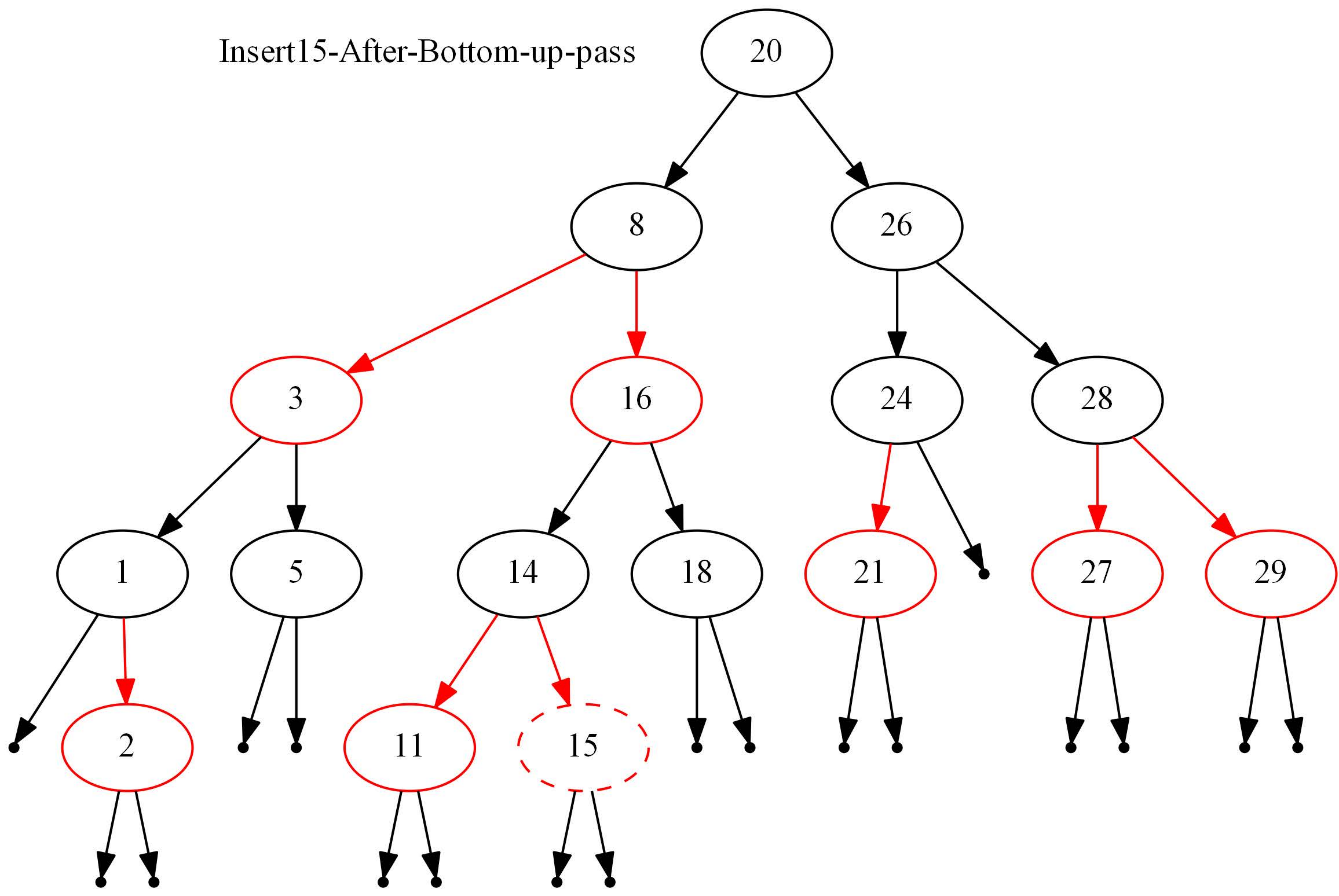


Parent is Black. Terminate bottom-up pass.



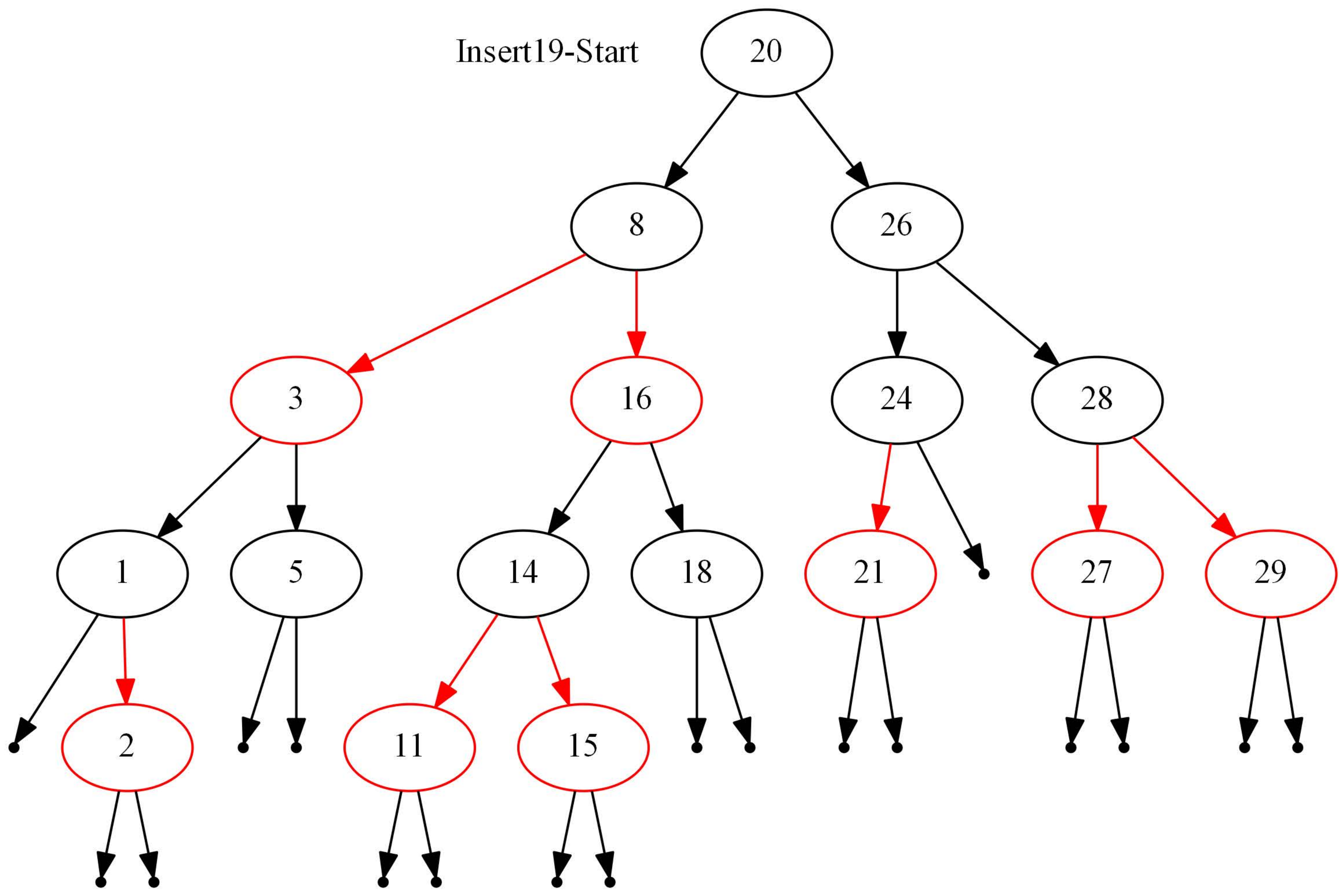


Insert 15-After-Bottom-up-pass



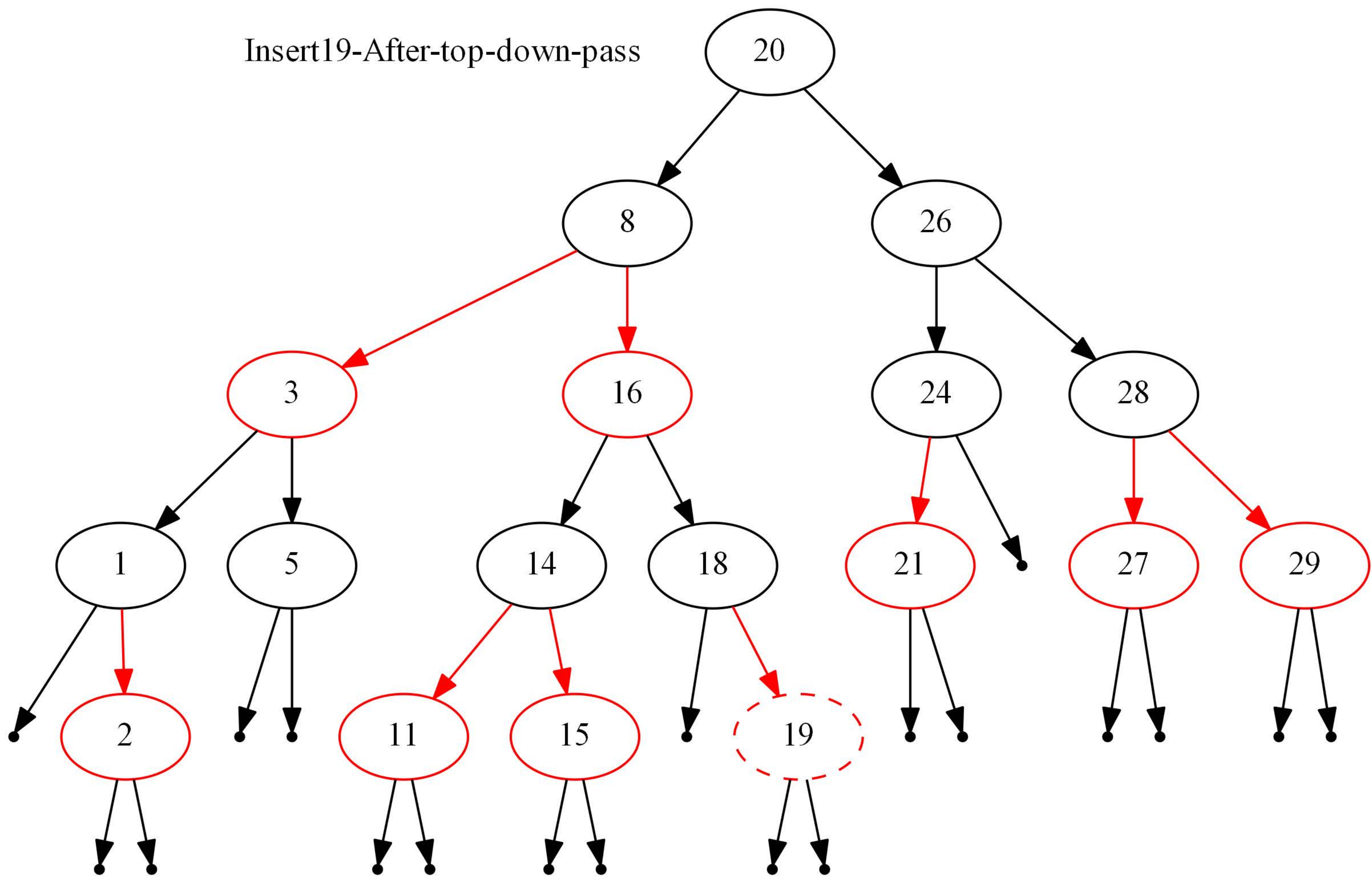


Insert19-Start



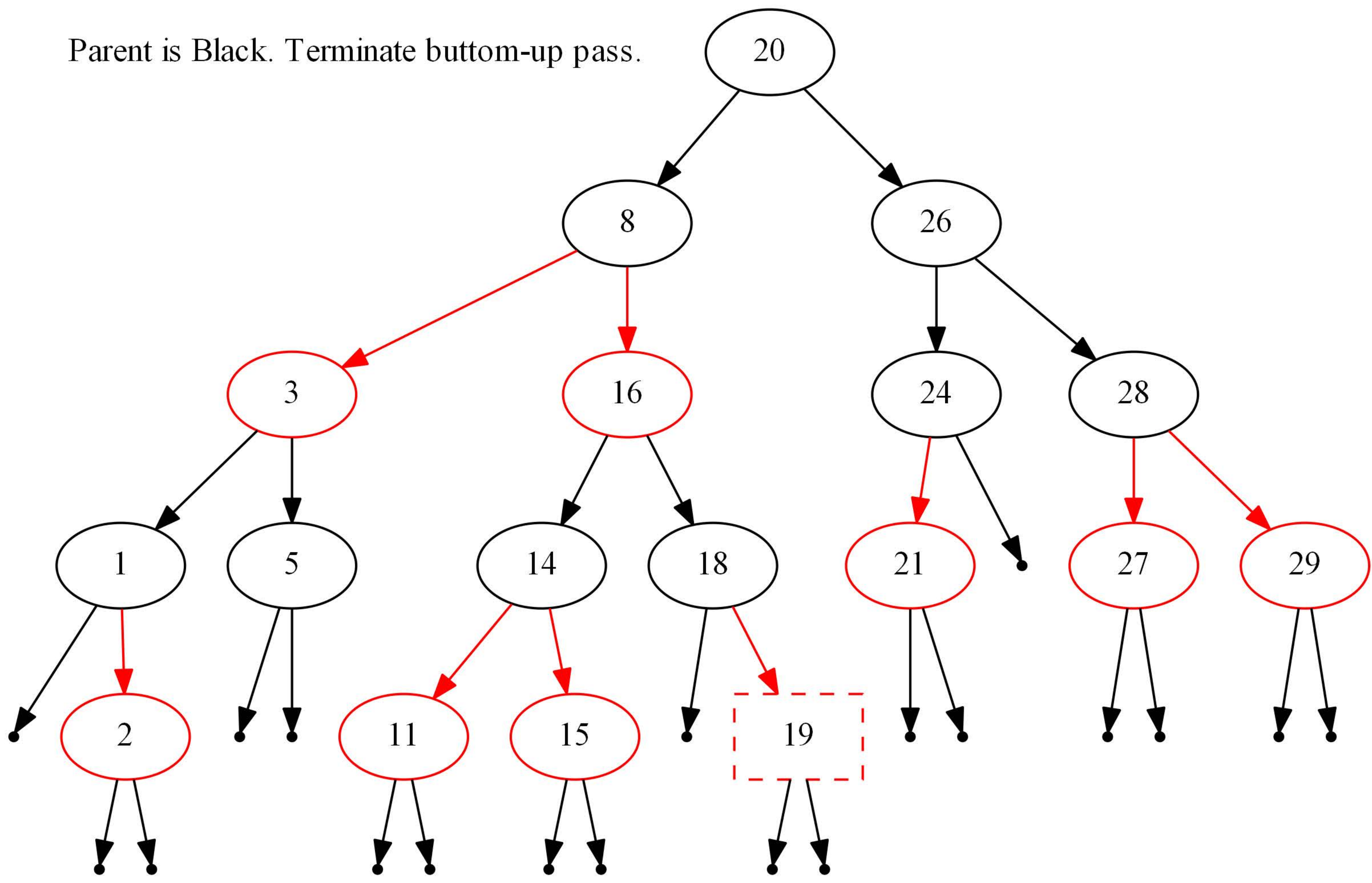


Insert 19-After-top-down-pass



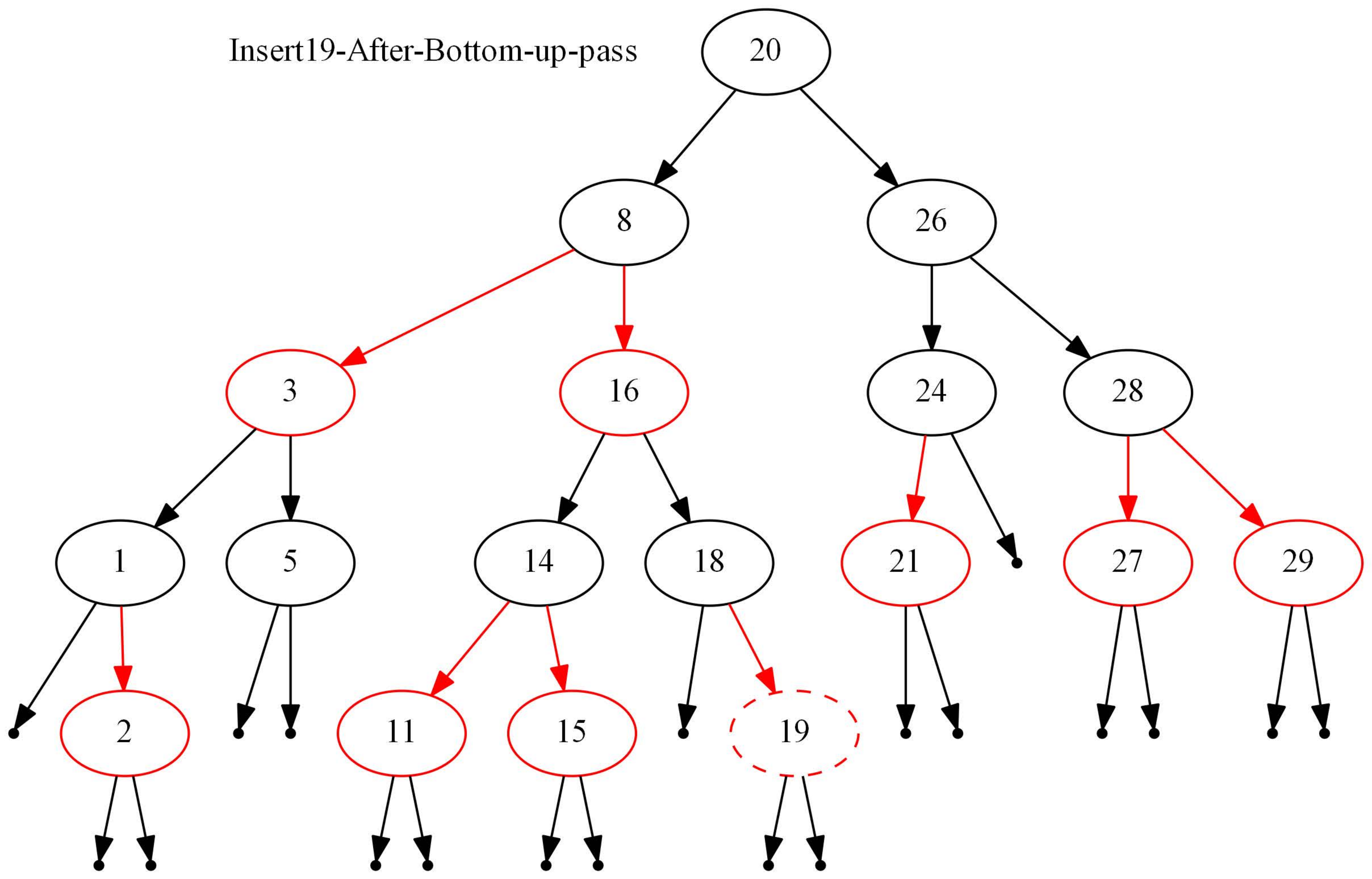


Parent is Black. Terminate bottom-up pass.



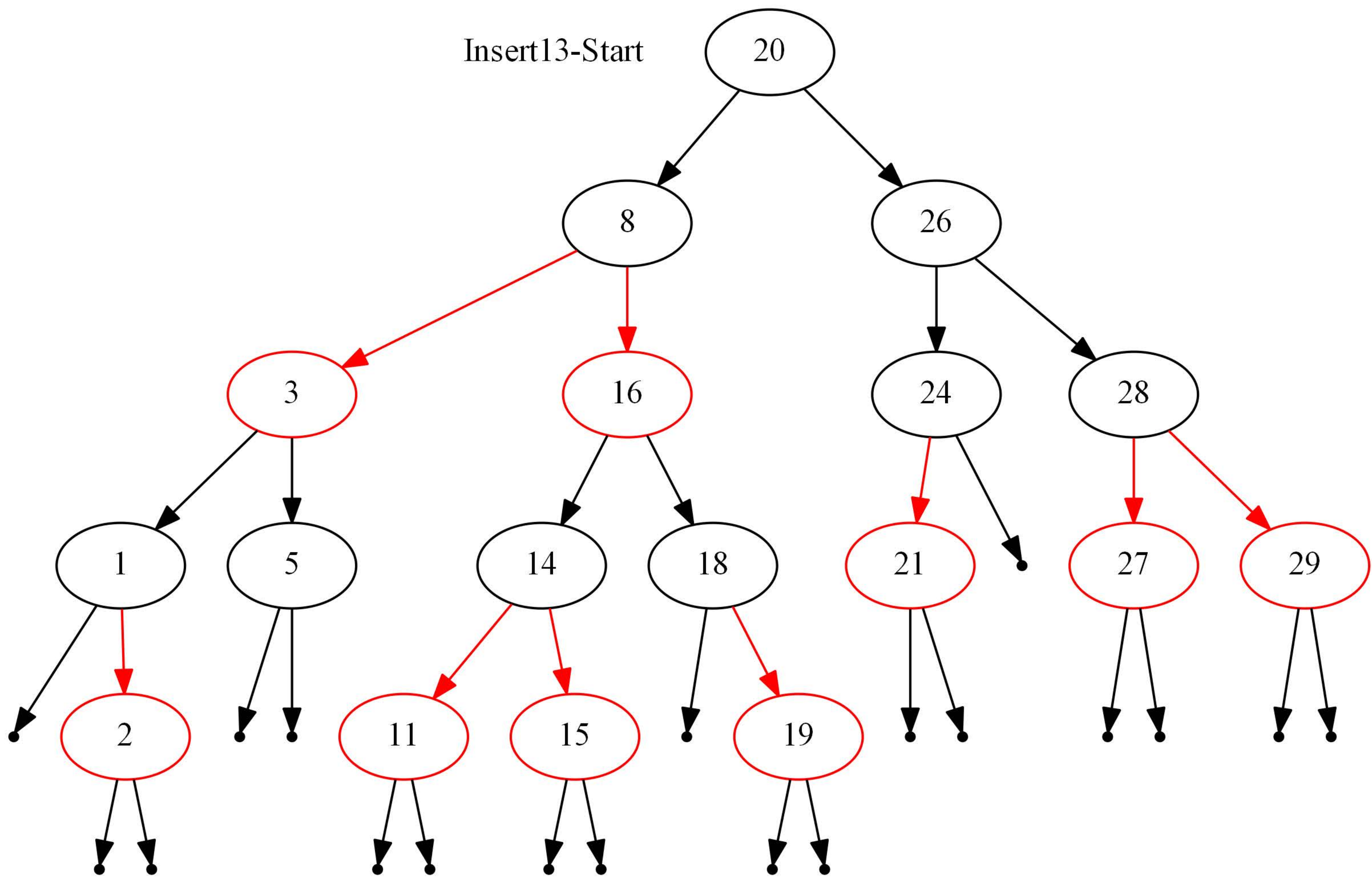


Insert 19-After-Bottom-up-pass



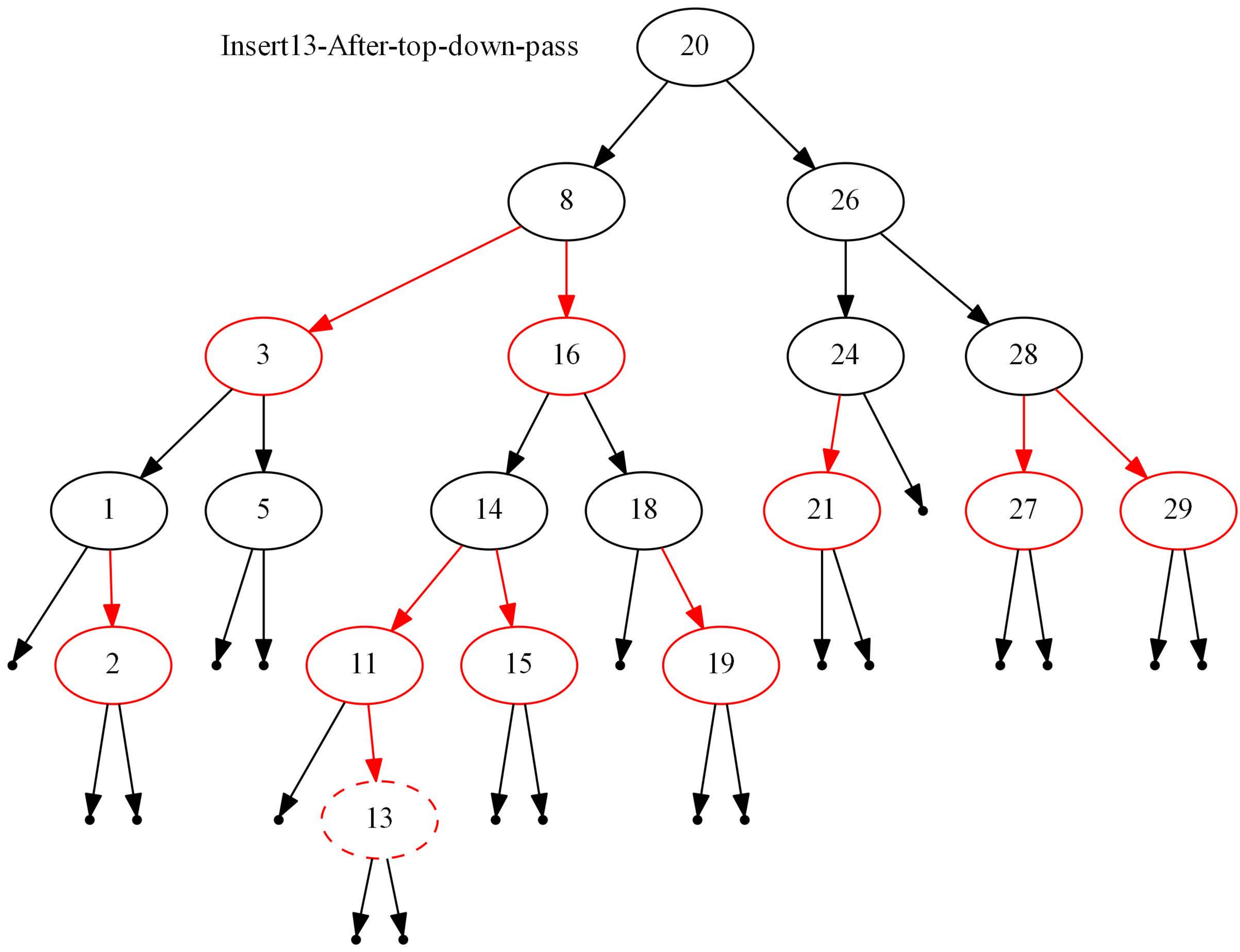


Insert 13-Start



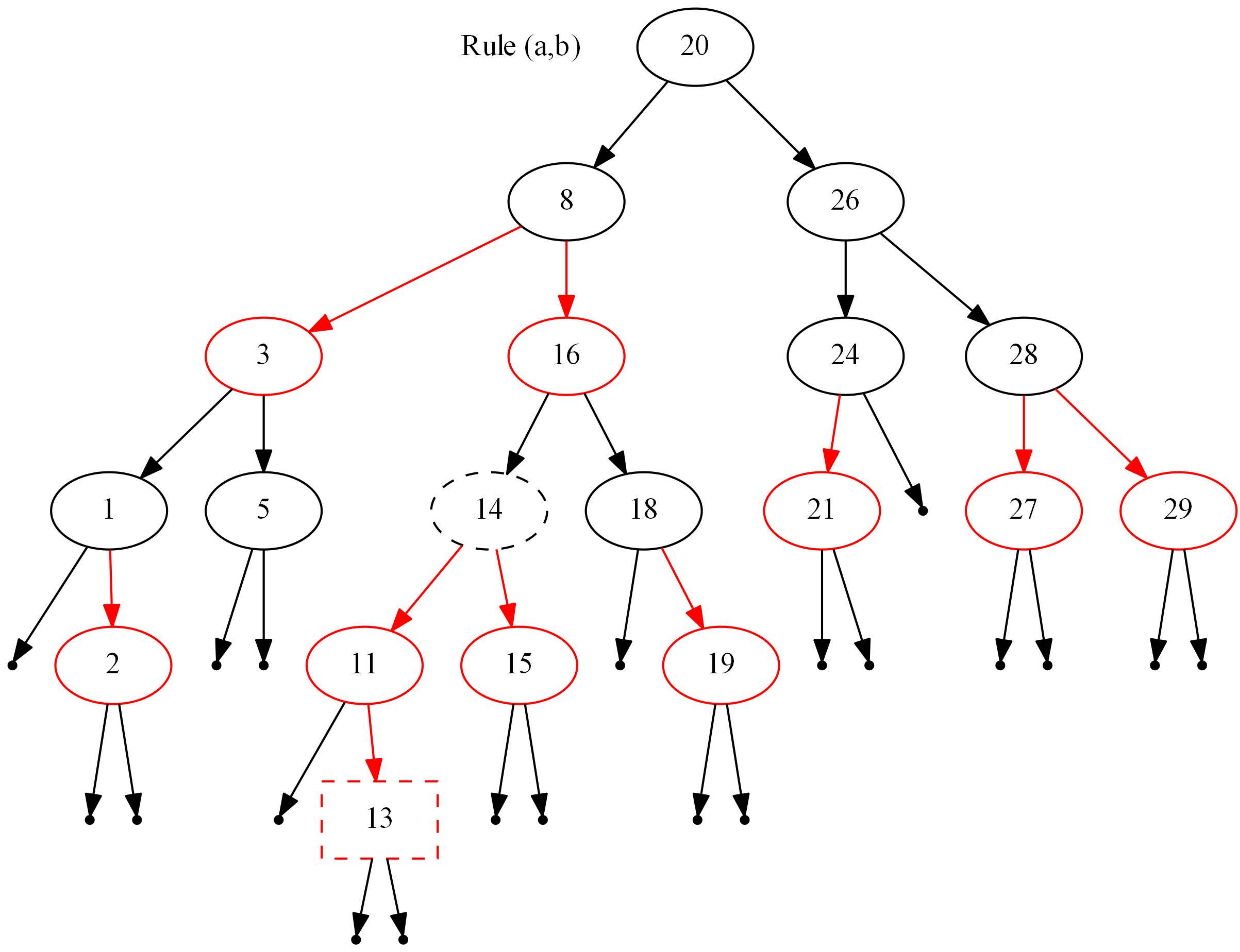


Insert 13-After-top-down-pass



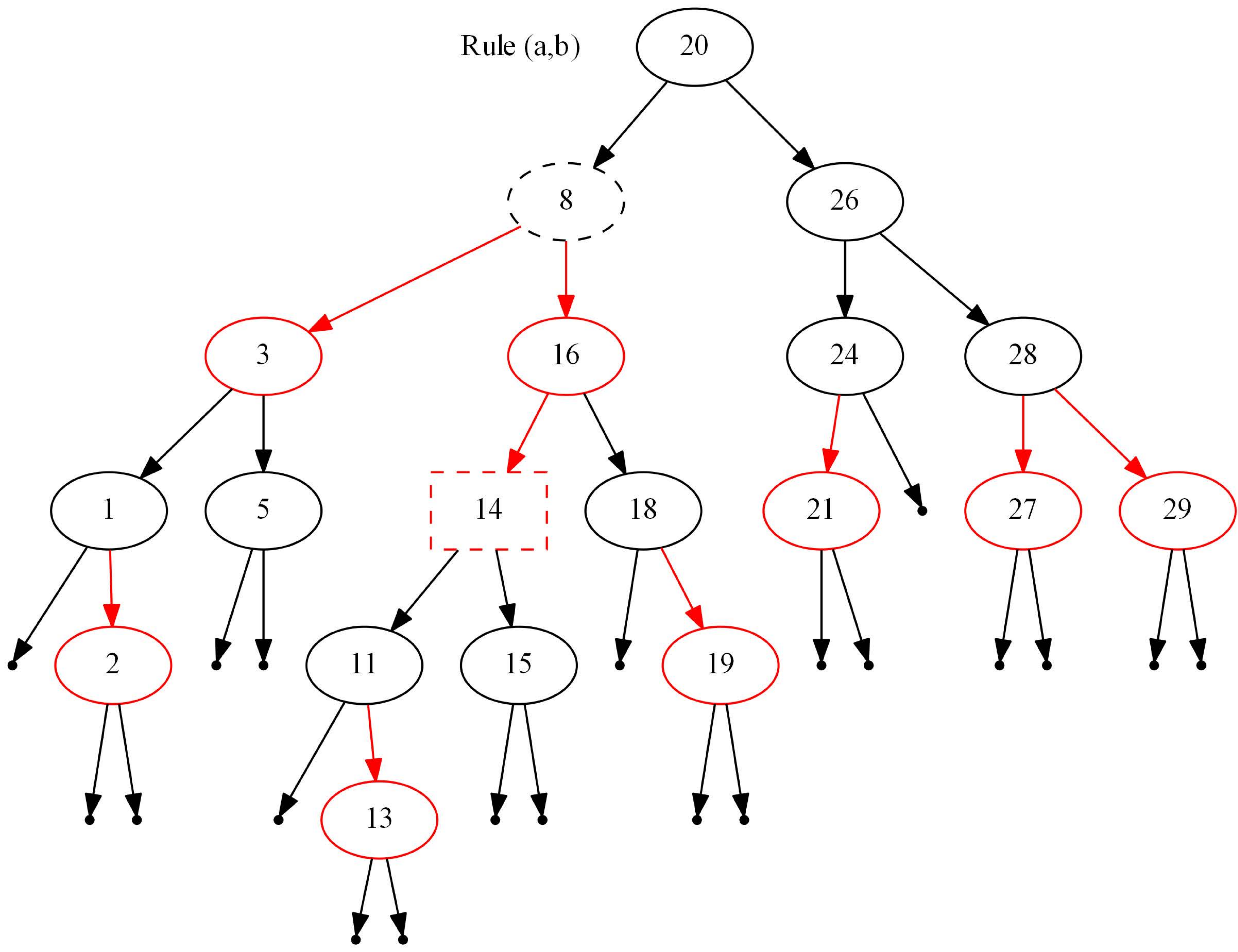


Rule (a,b)



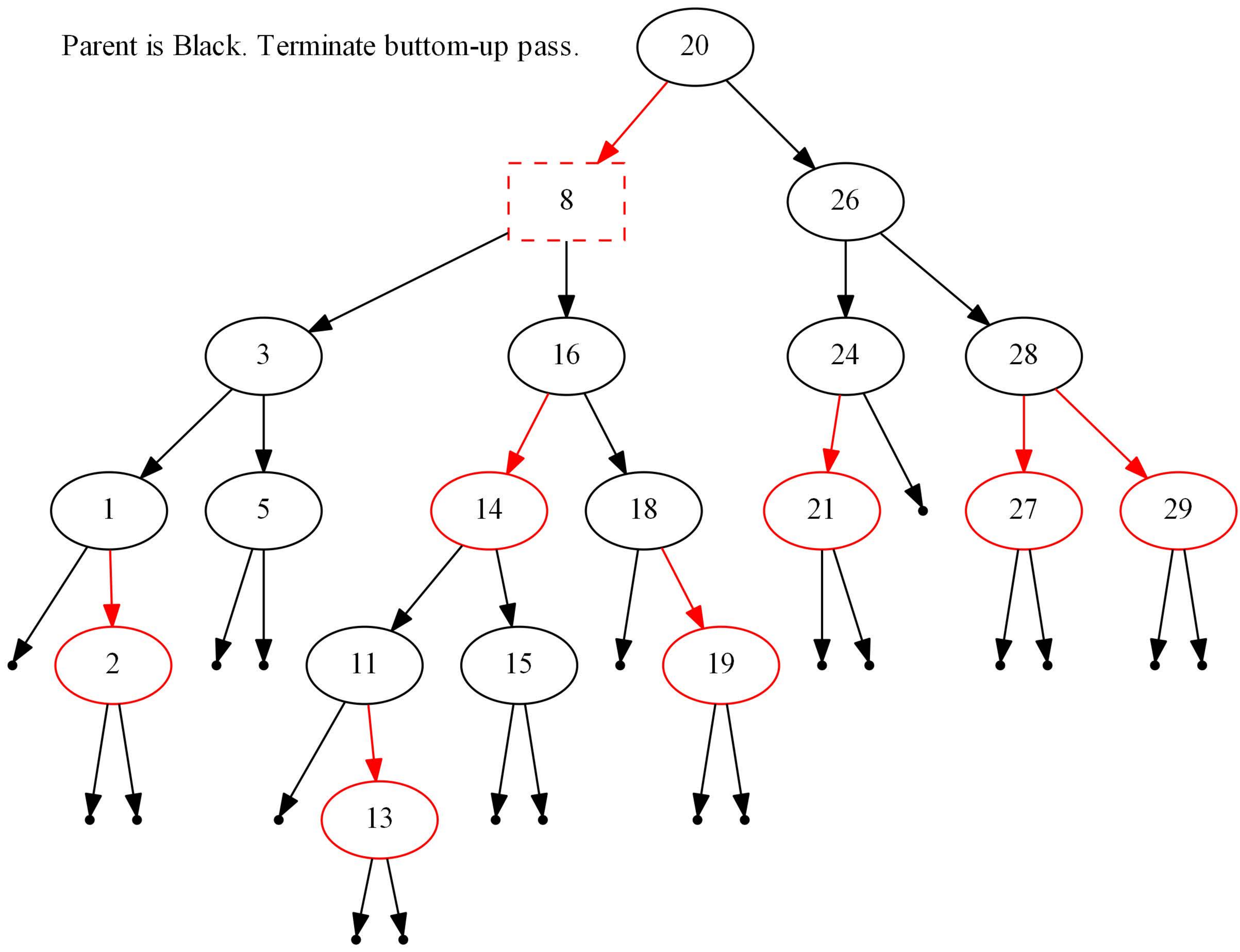


Rule (a,b)



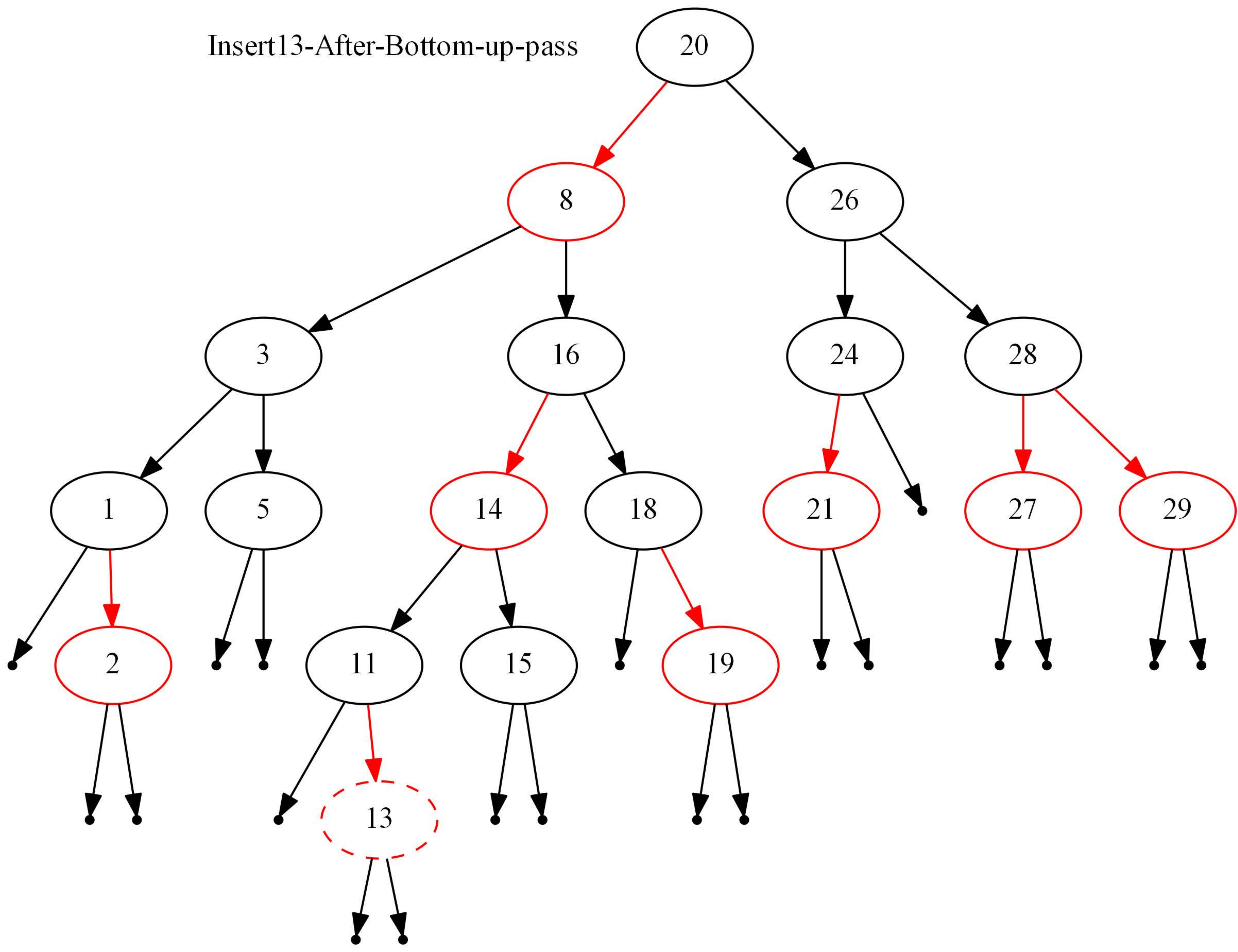


Parent is Black. Terminate bottom-up pass.





Insert 13-After-Bottom-up-pass

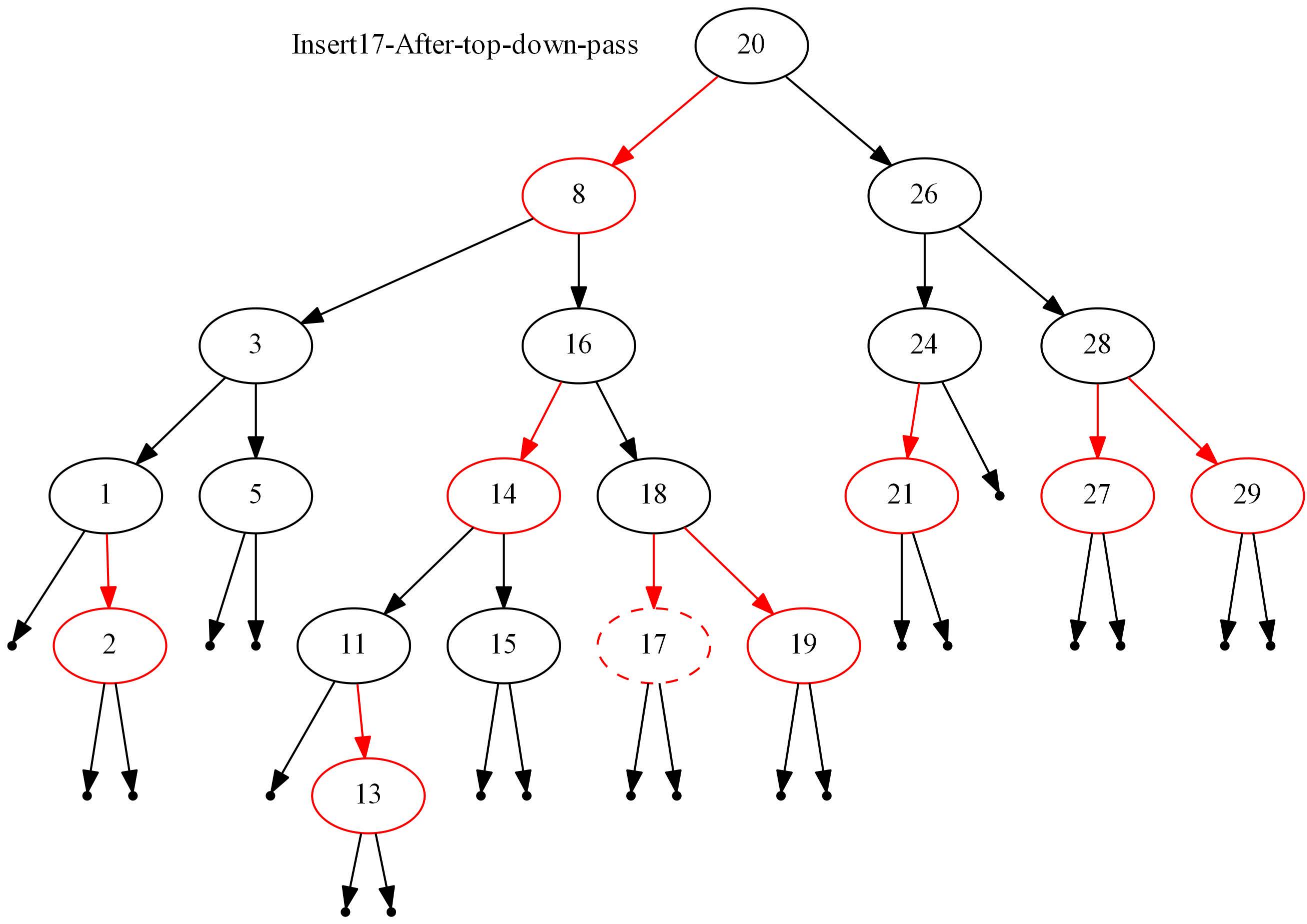






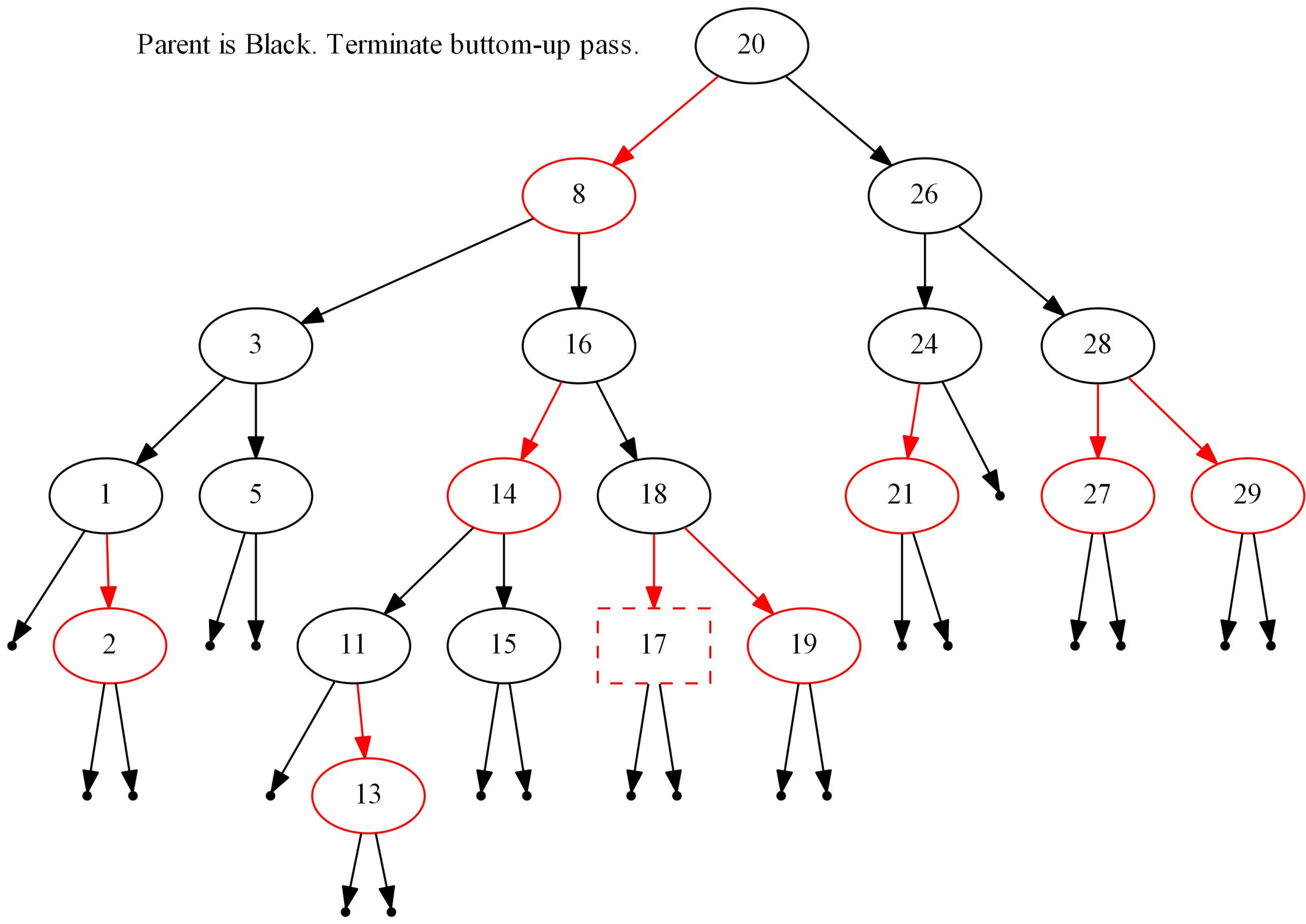


Insert 17-After-top-down-pass



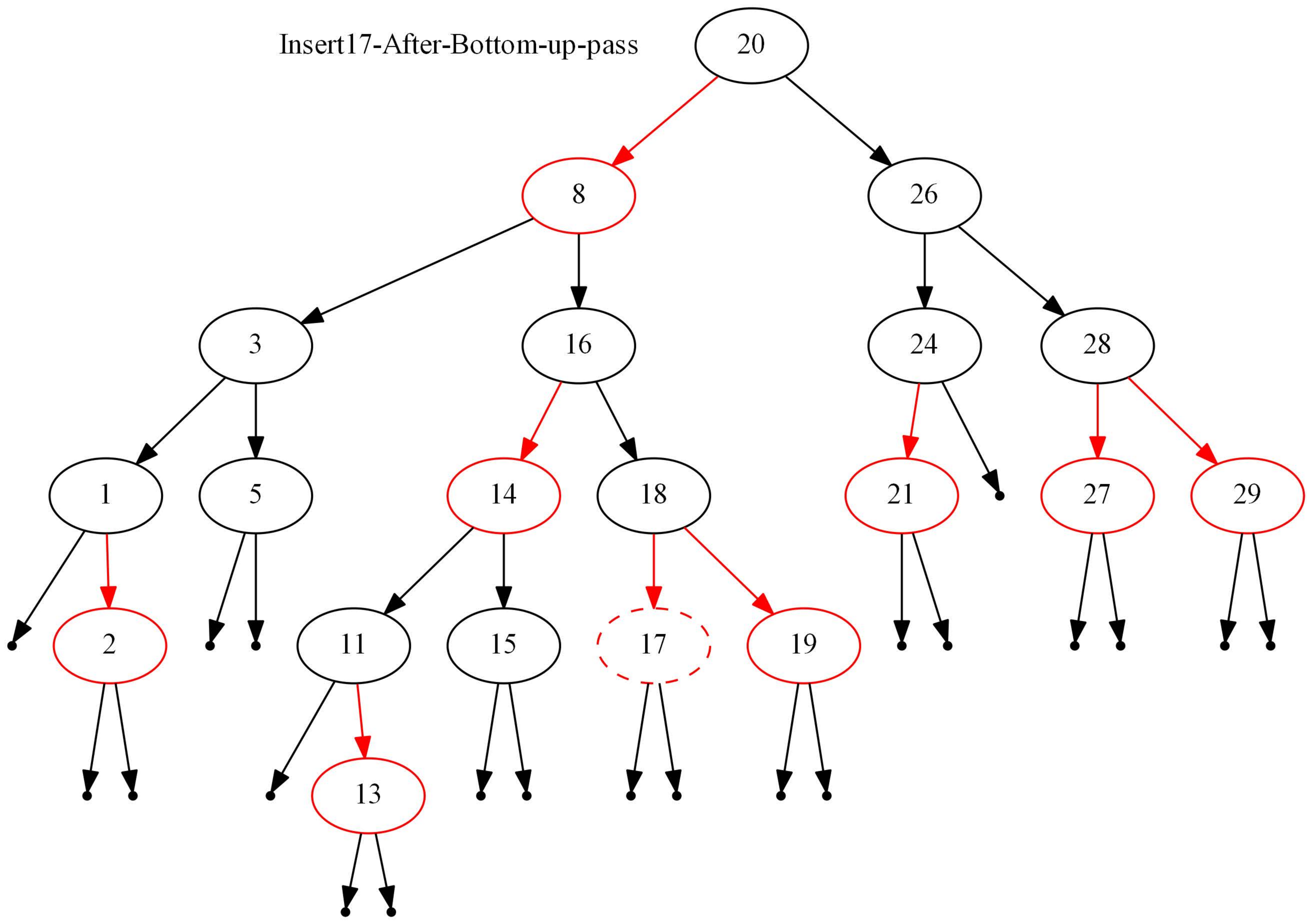


Parent is Black. Terminate bottom-up pass.





Insert 17-After-Bottom-up-pass





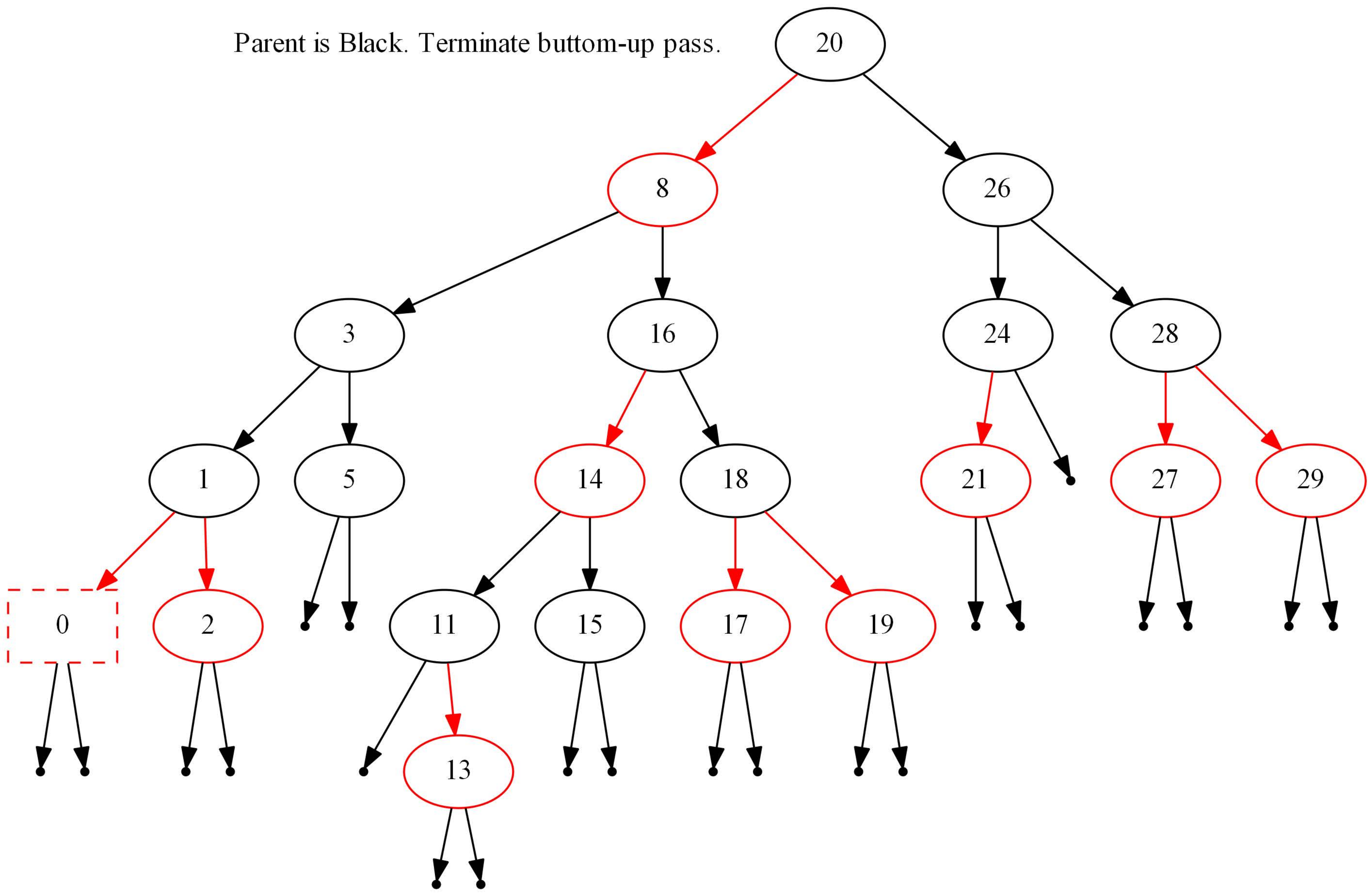








Parent is Black. Terminate bottom-up pass.





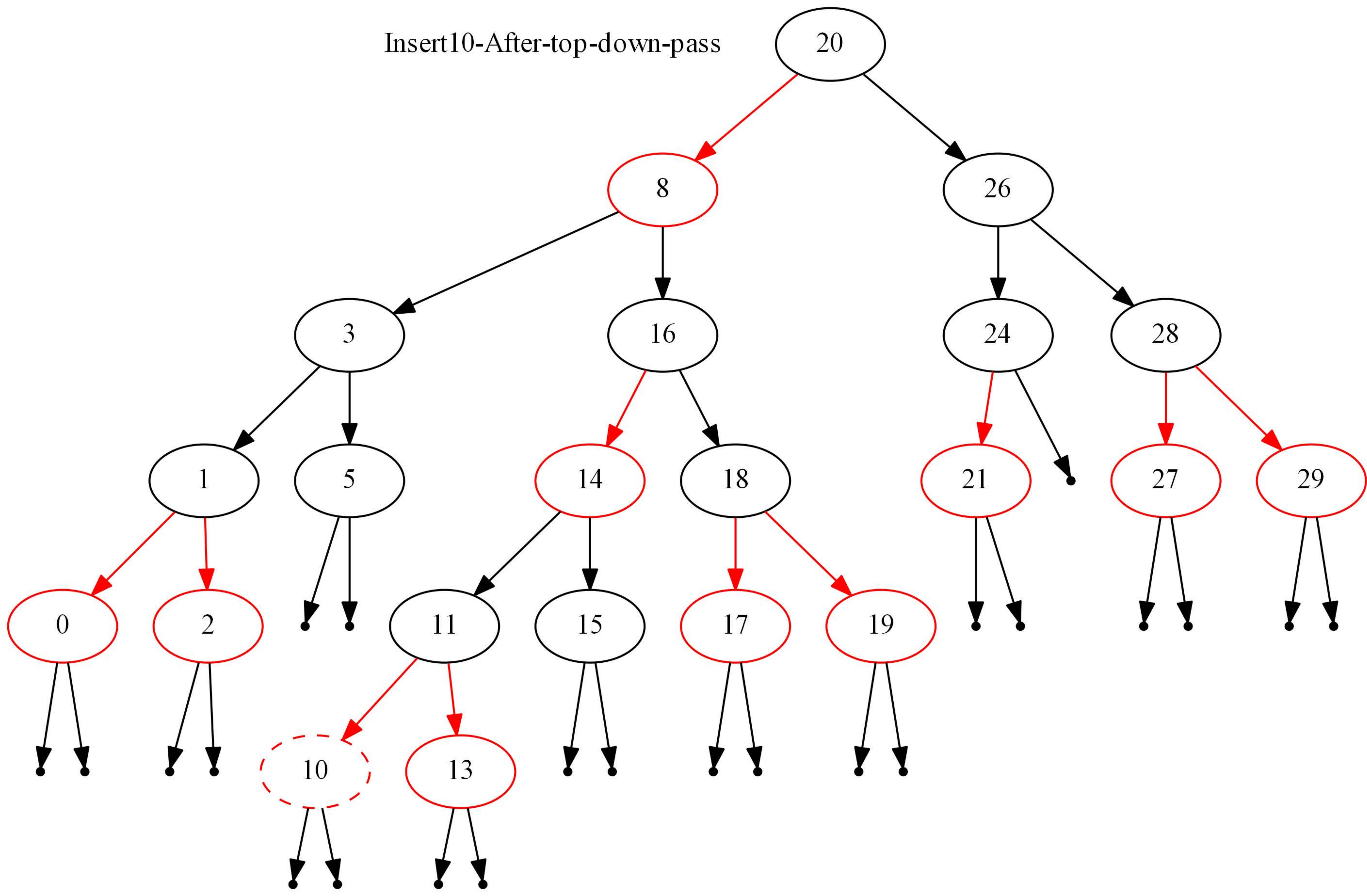






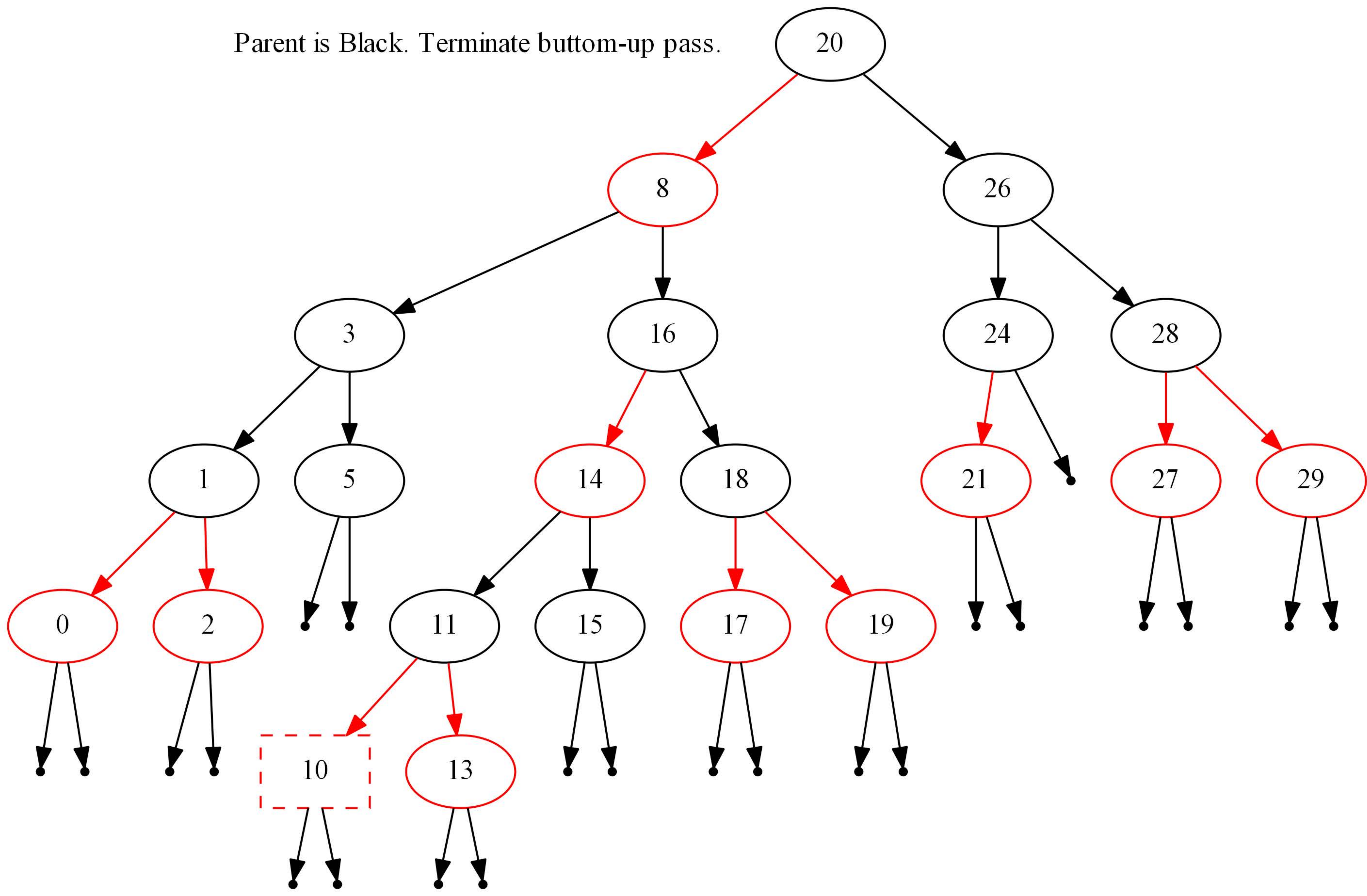


Insert 10-After-top-down-pass



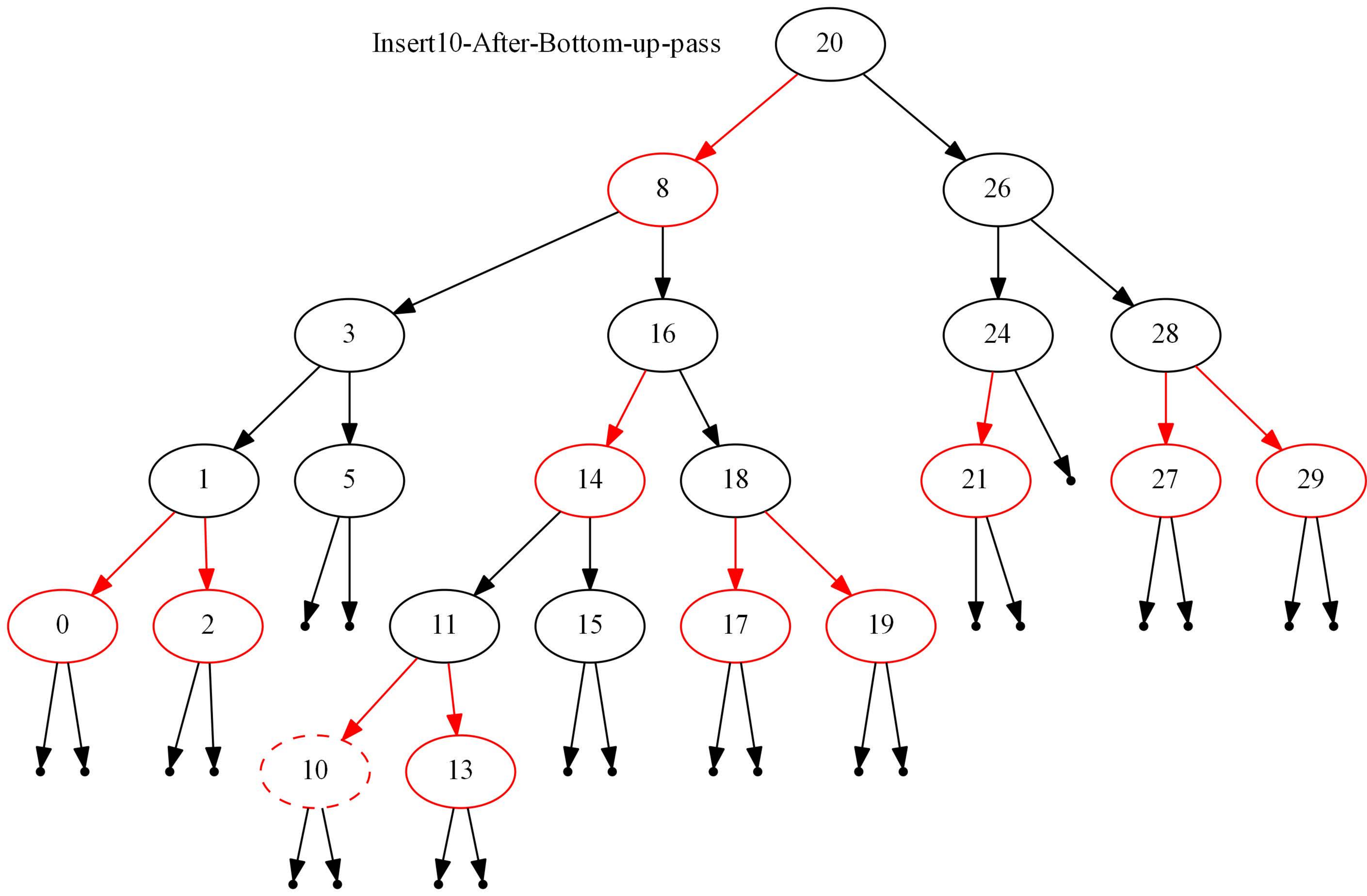


Parent is Black. Terminate bottom-up pass.





Insert10-After-Bottom-up-pass

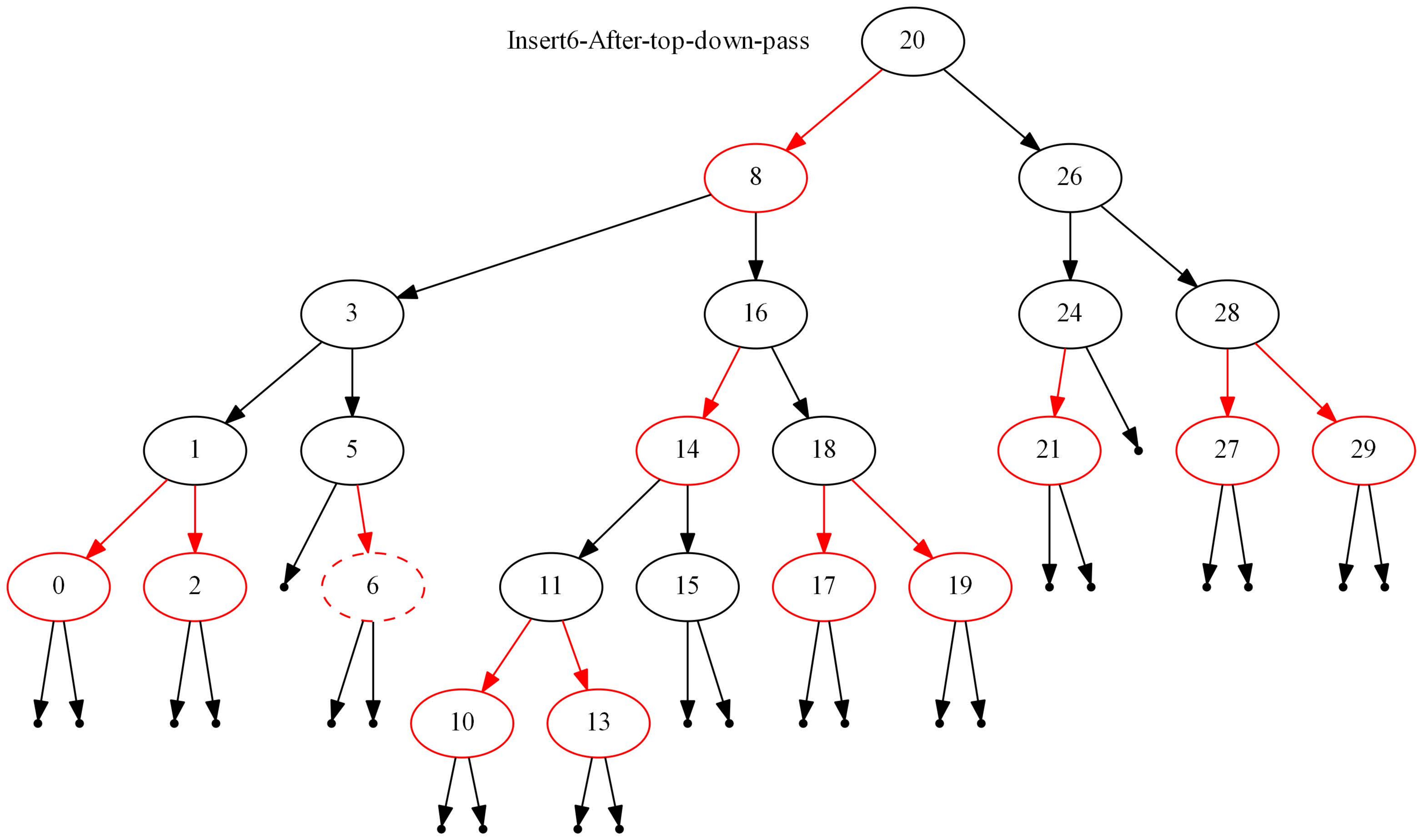








Insert6-After-top-down-pass





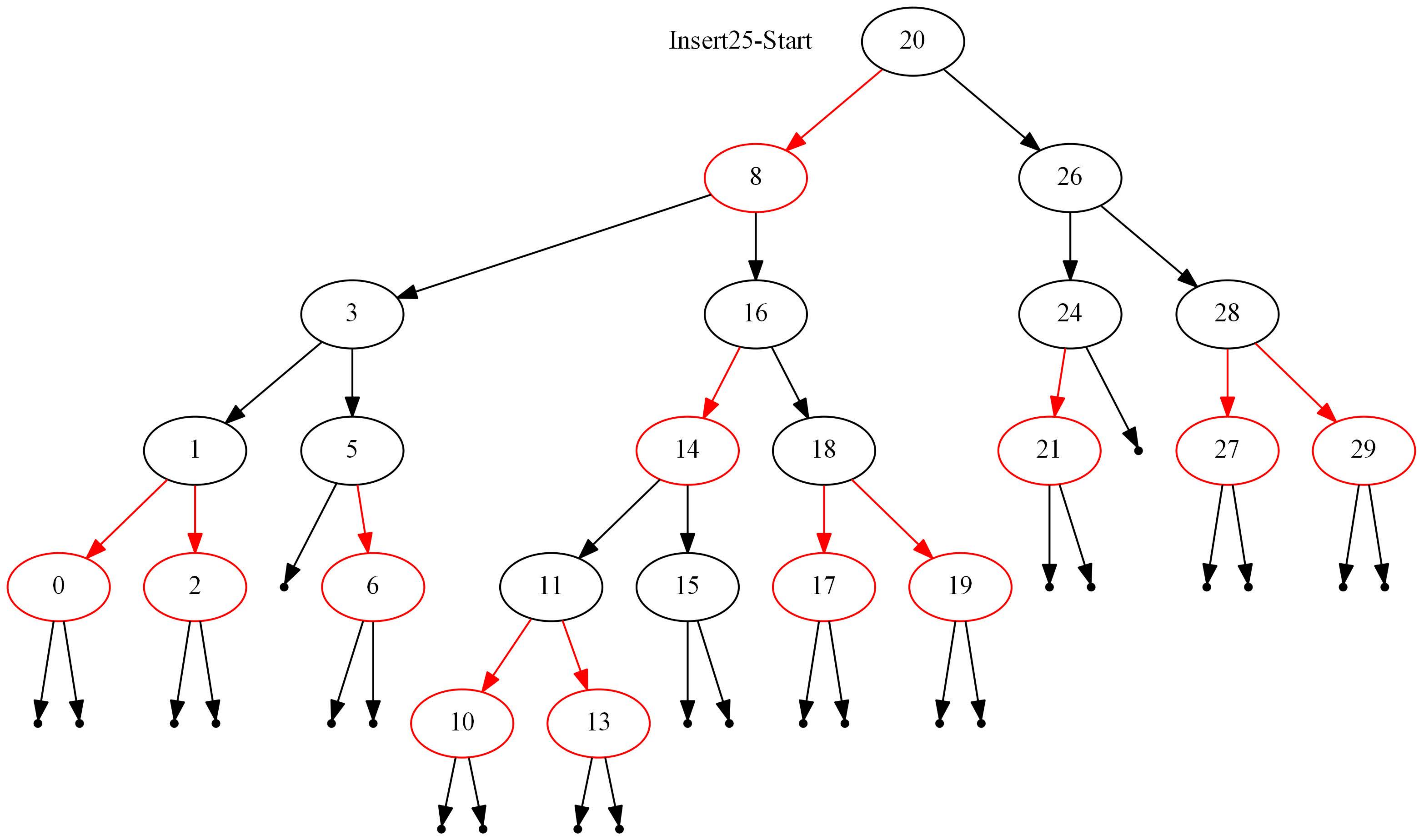






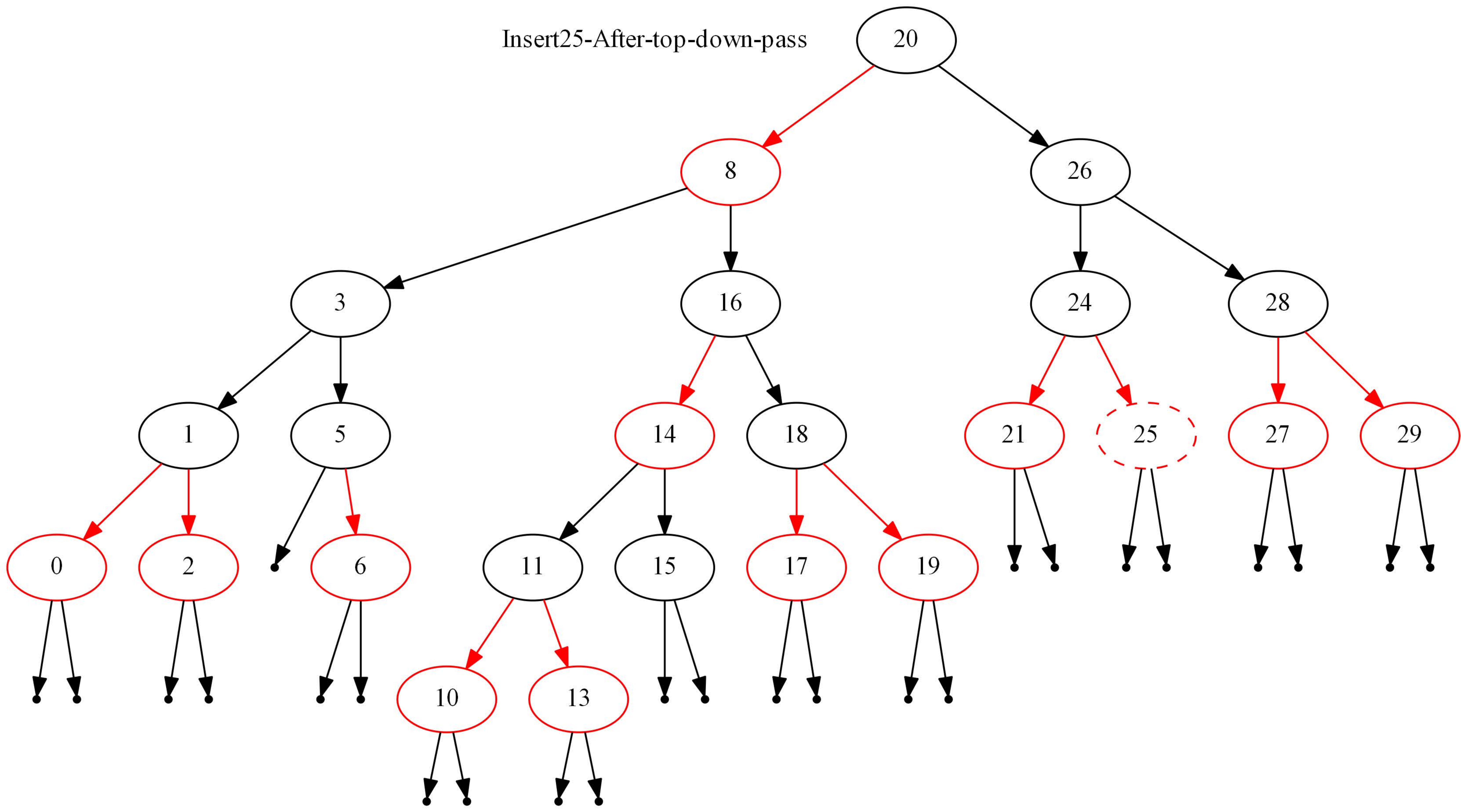


Insert25-Start





Insert25-After-top-down-pass

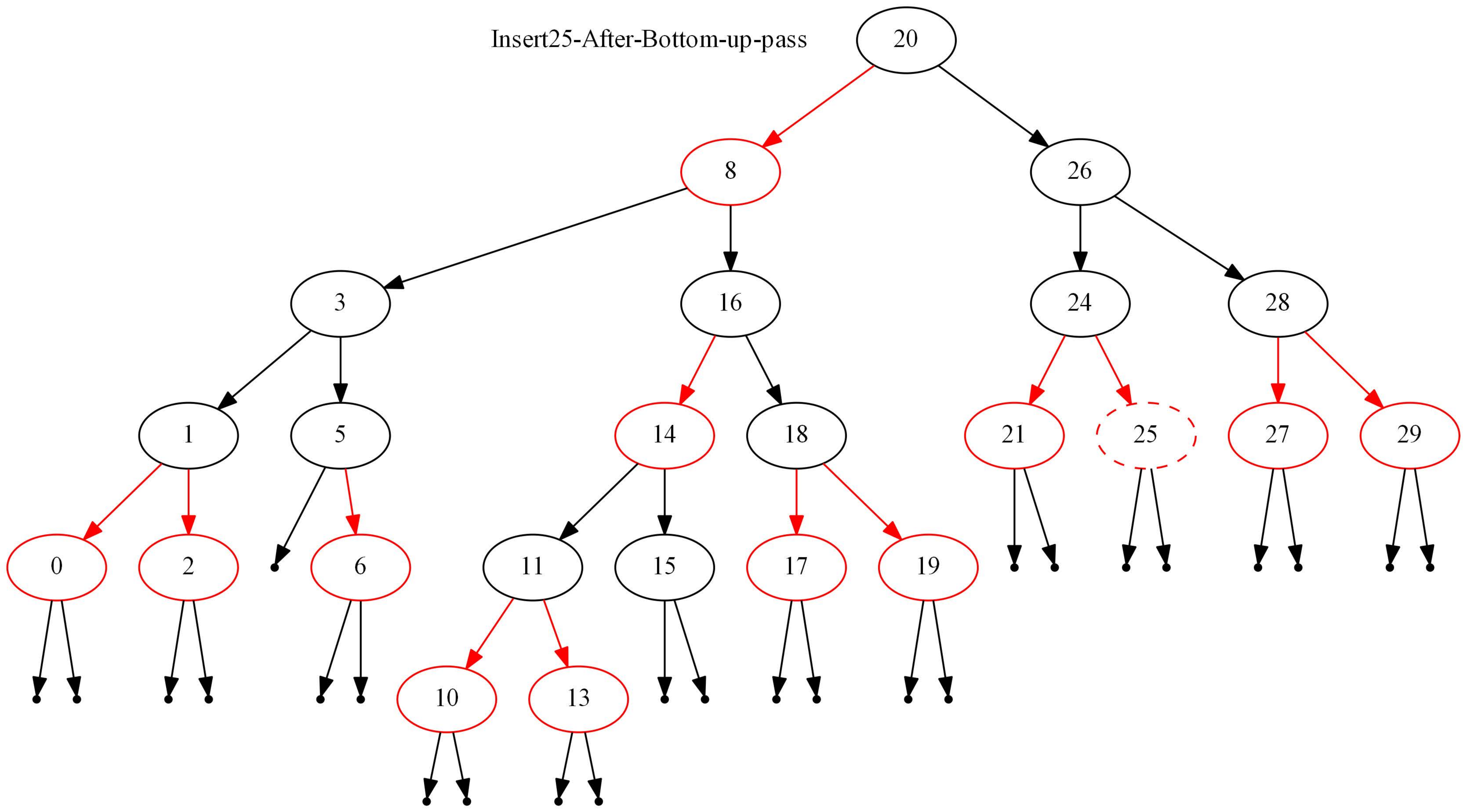






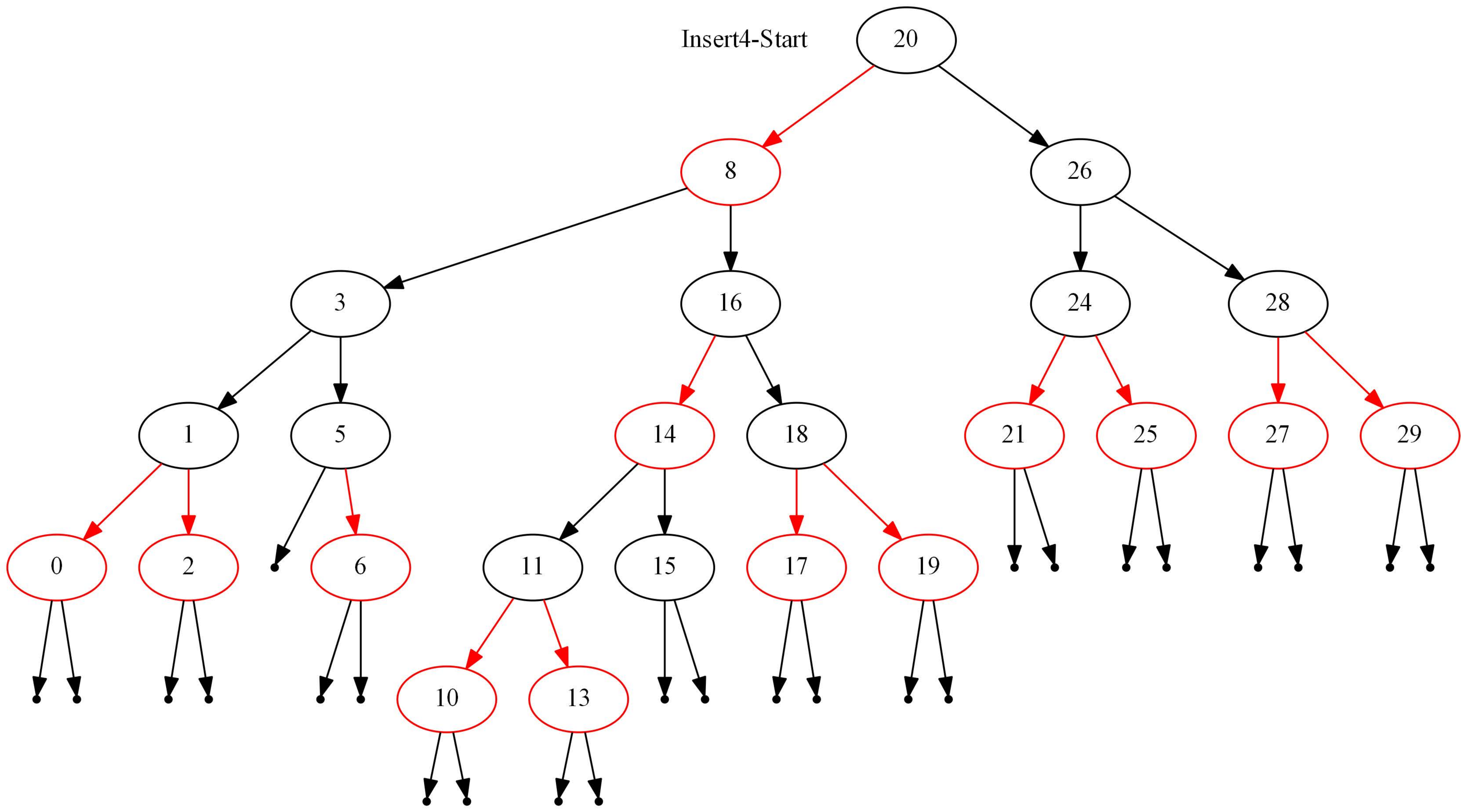


Insert25-After-Bottom-up-pass





Insert4-Start

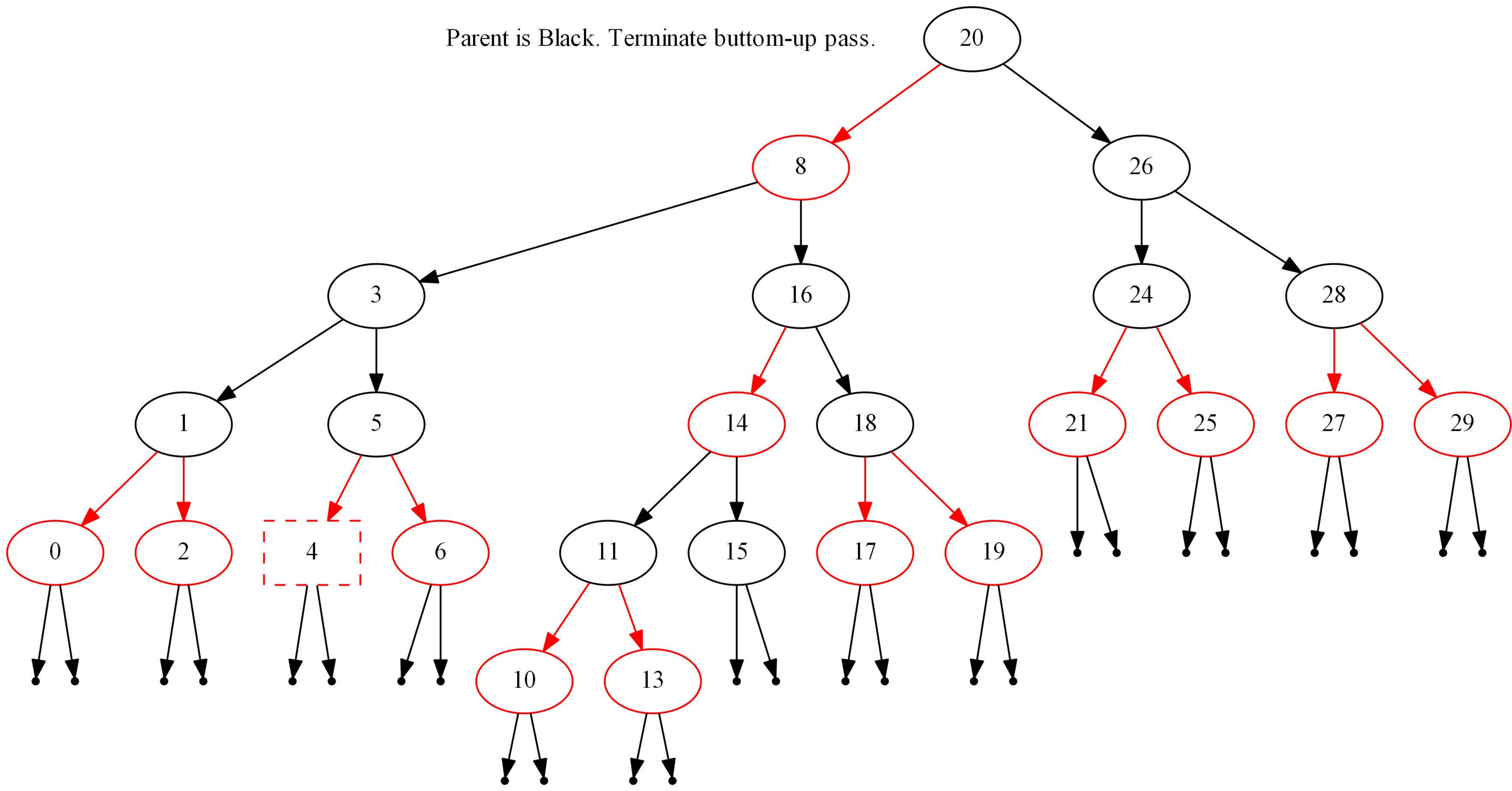








Parent is Black. Terminate bottom-up pass.

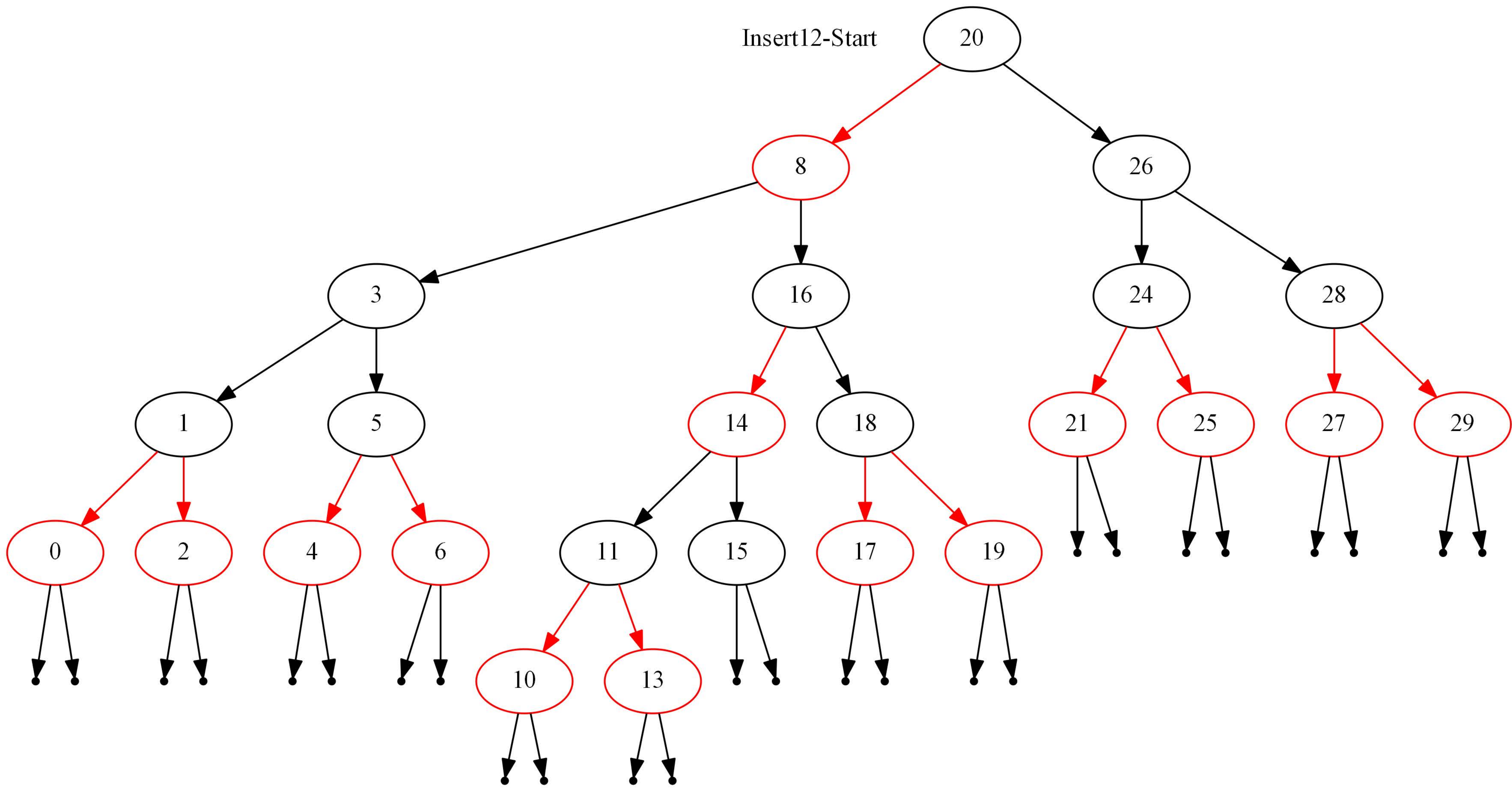






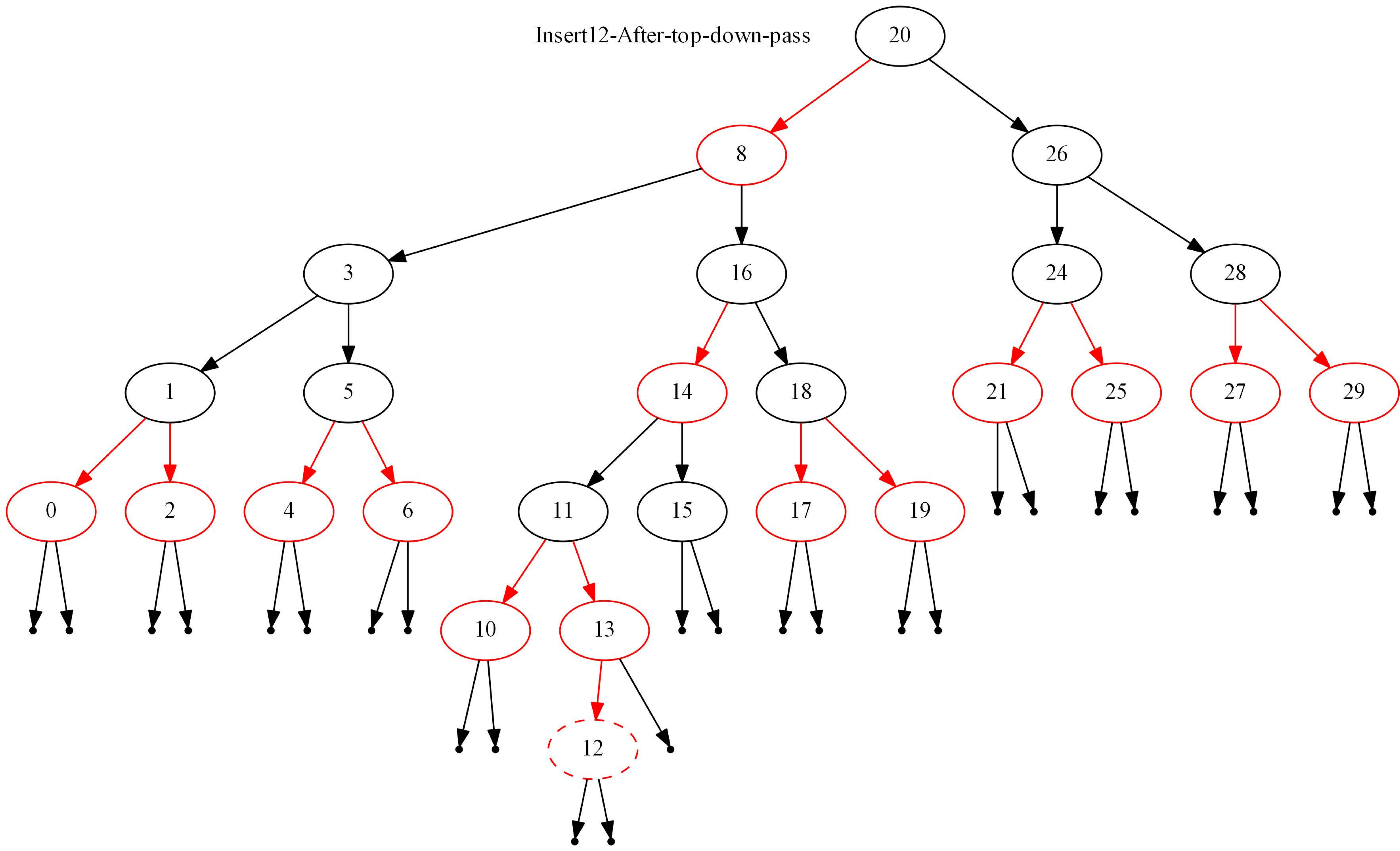


Insert12-Start





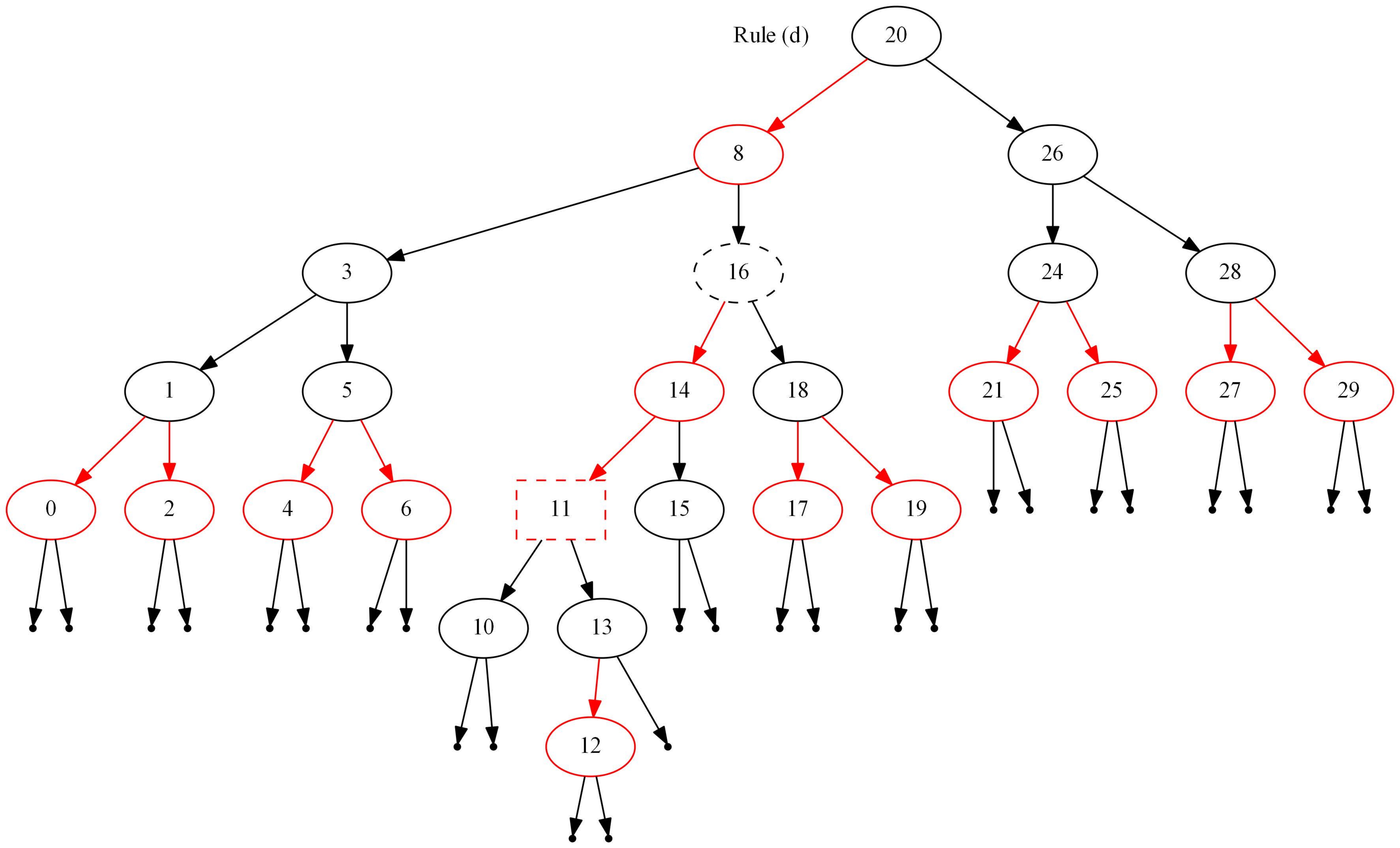
Insert12-After-top-down-pass





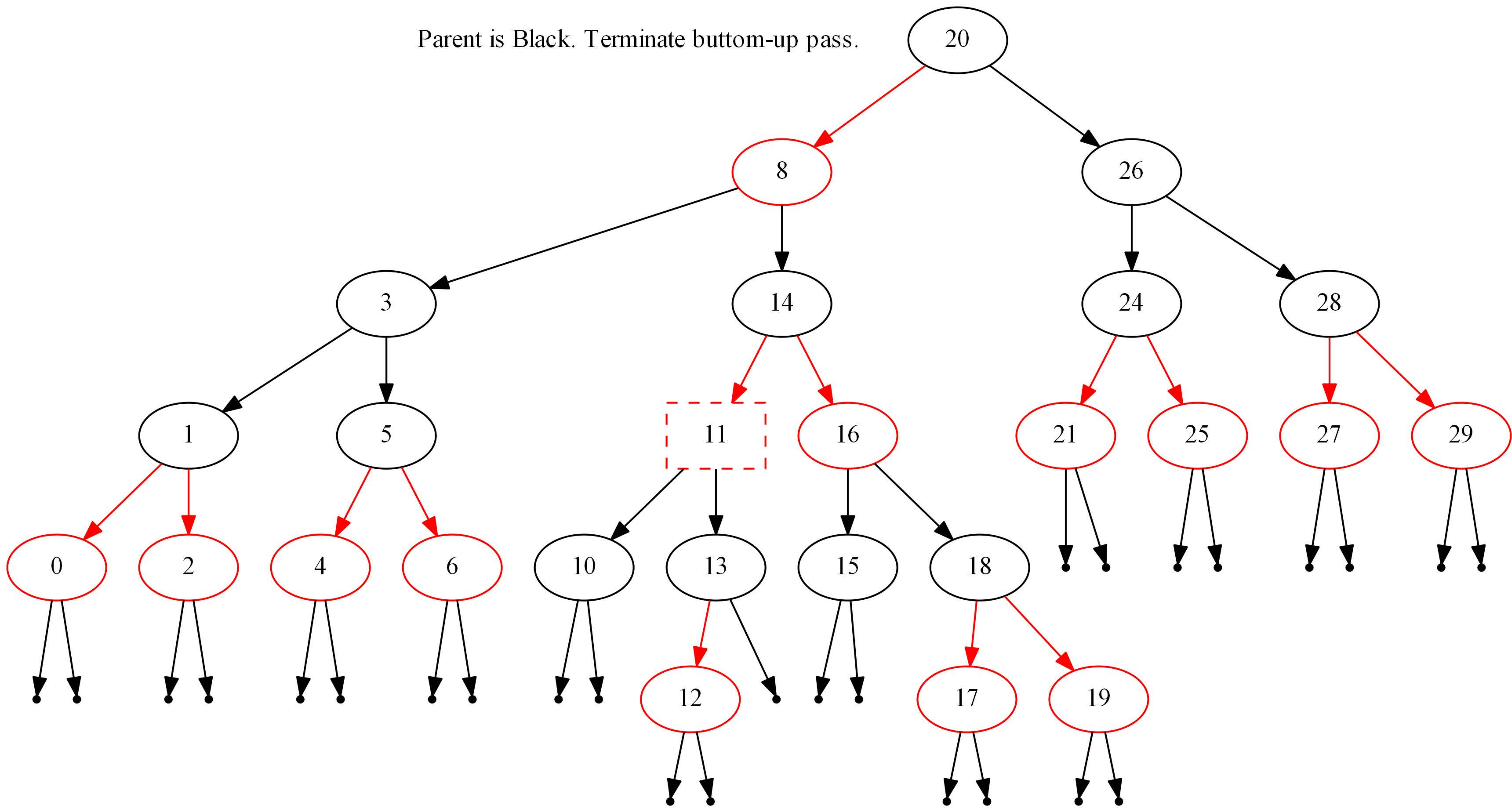








Parent is Black. Terminate bottom-up pass.

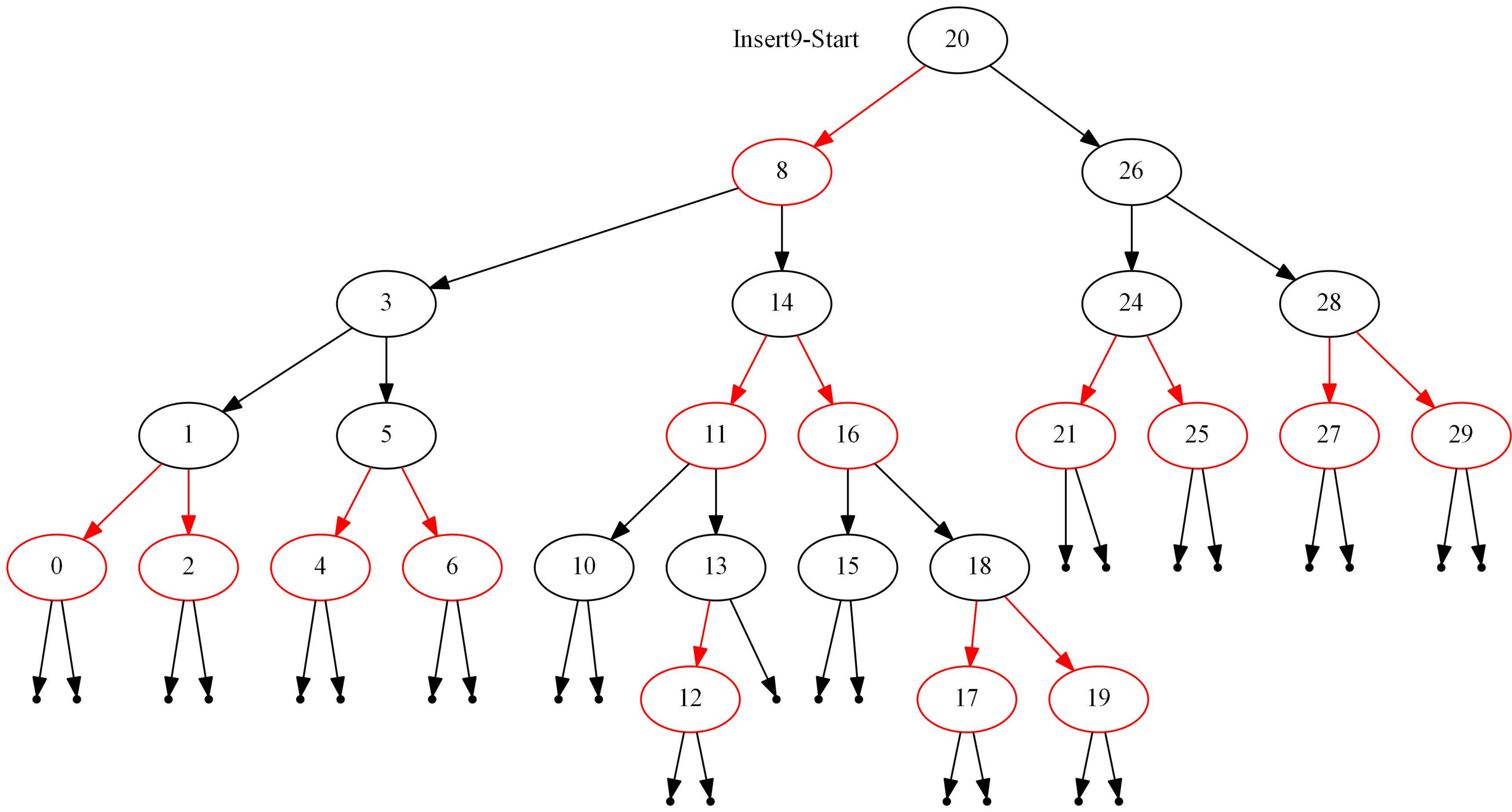






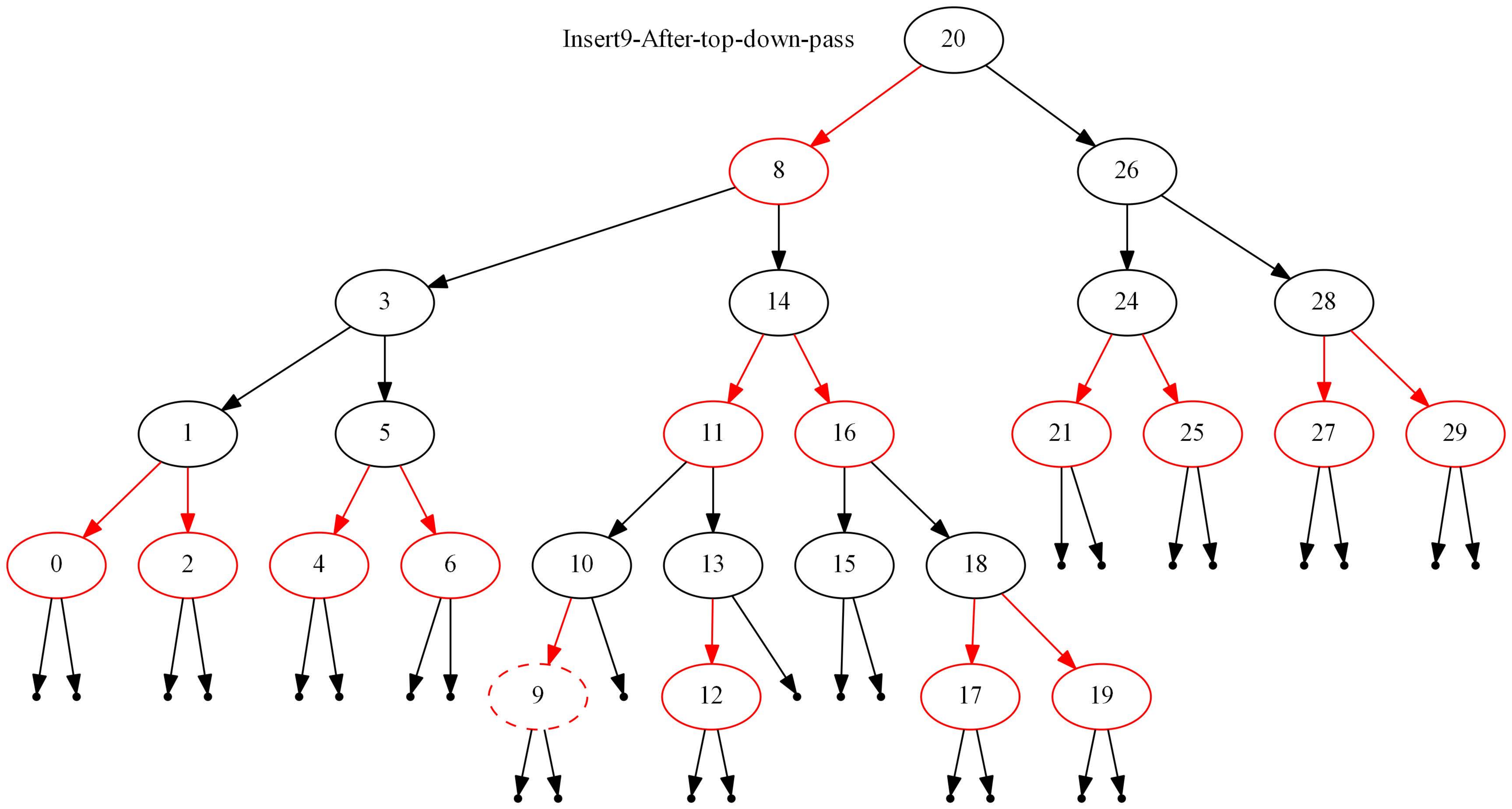


Insert9-Start





Insert9-After-top-down-pass





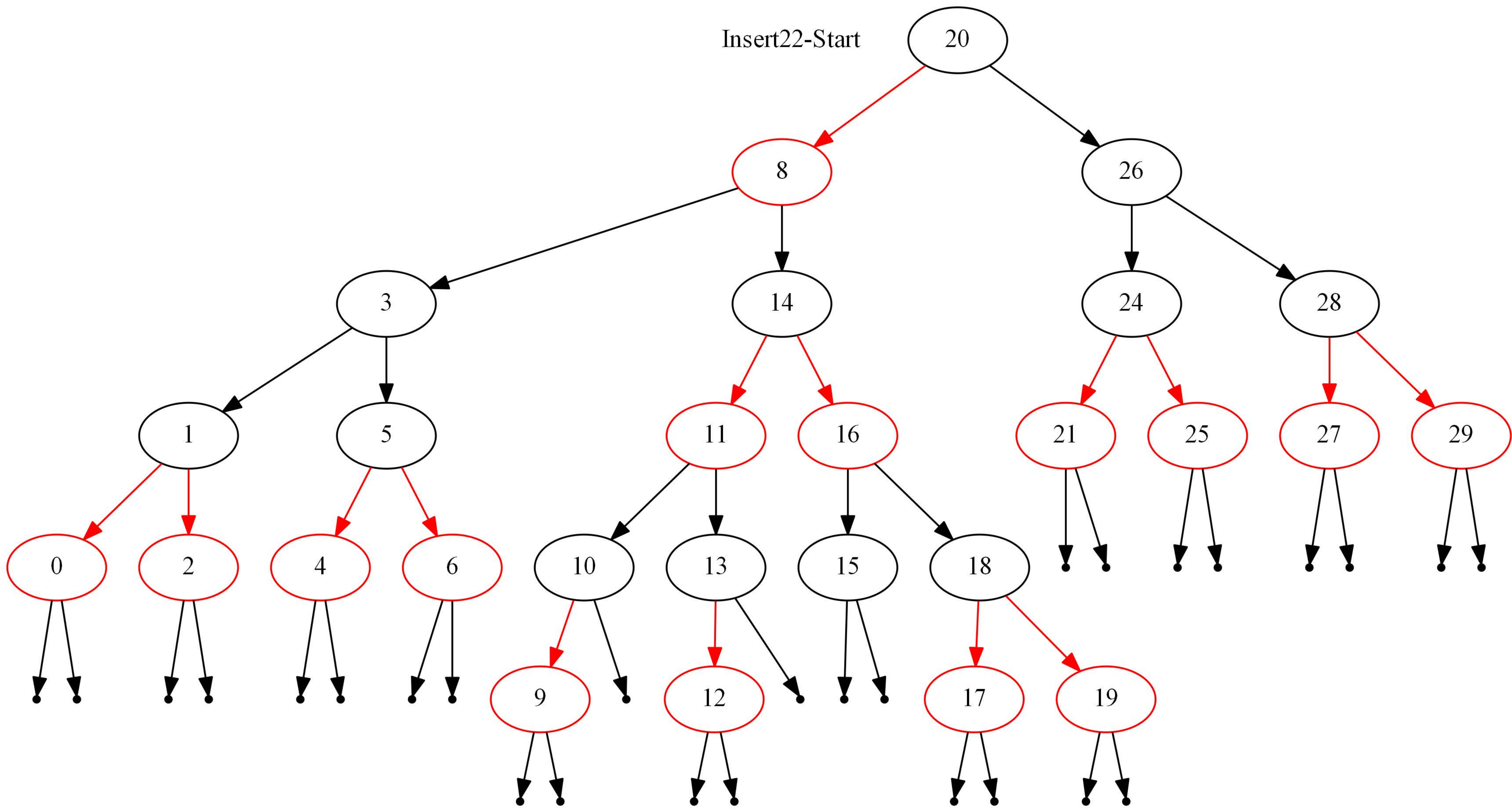








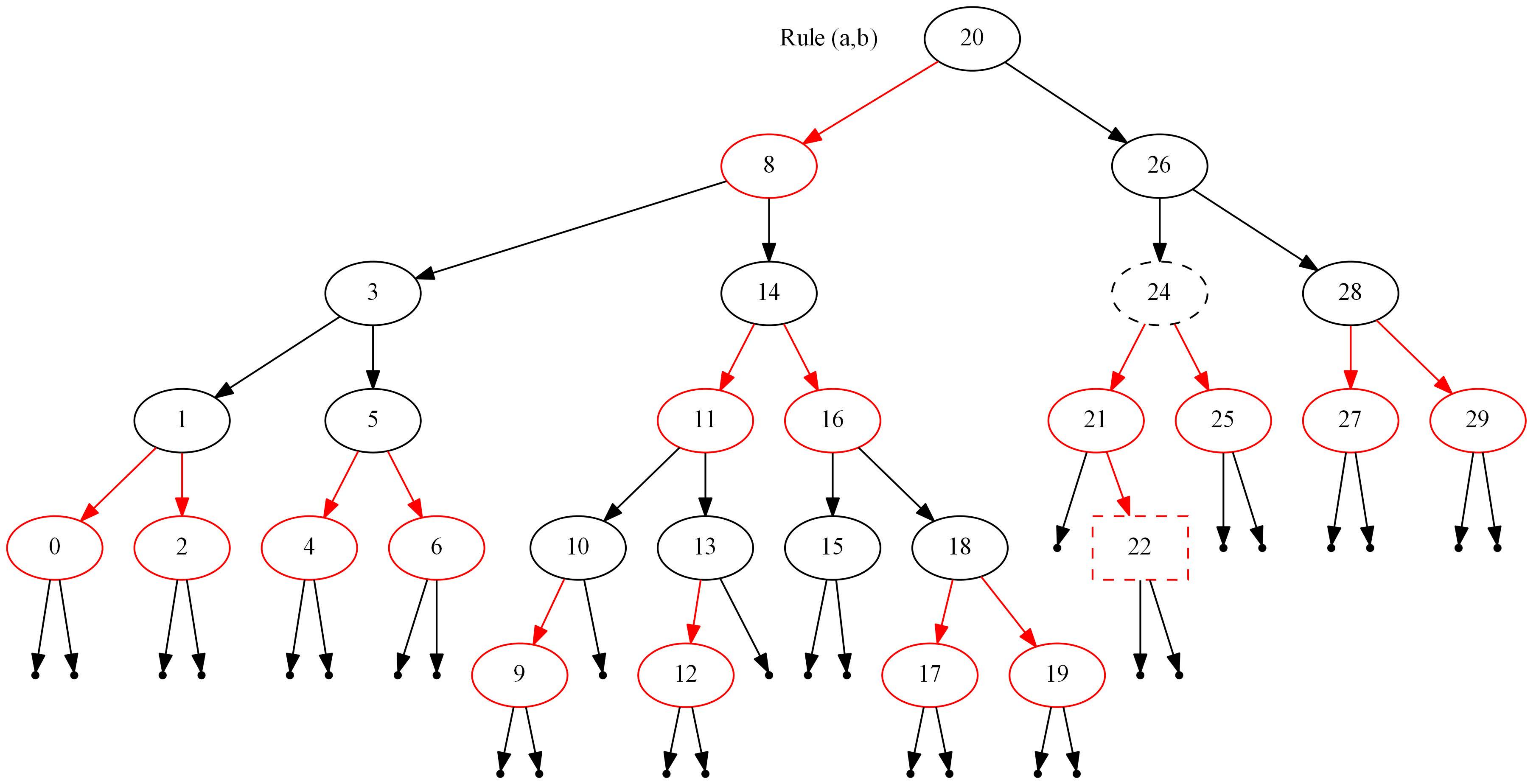
Insert22-Start





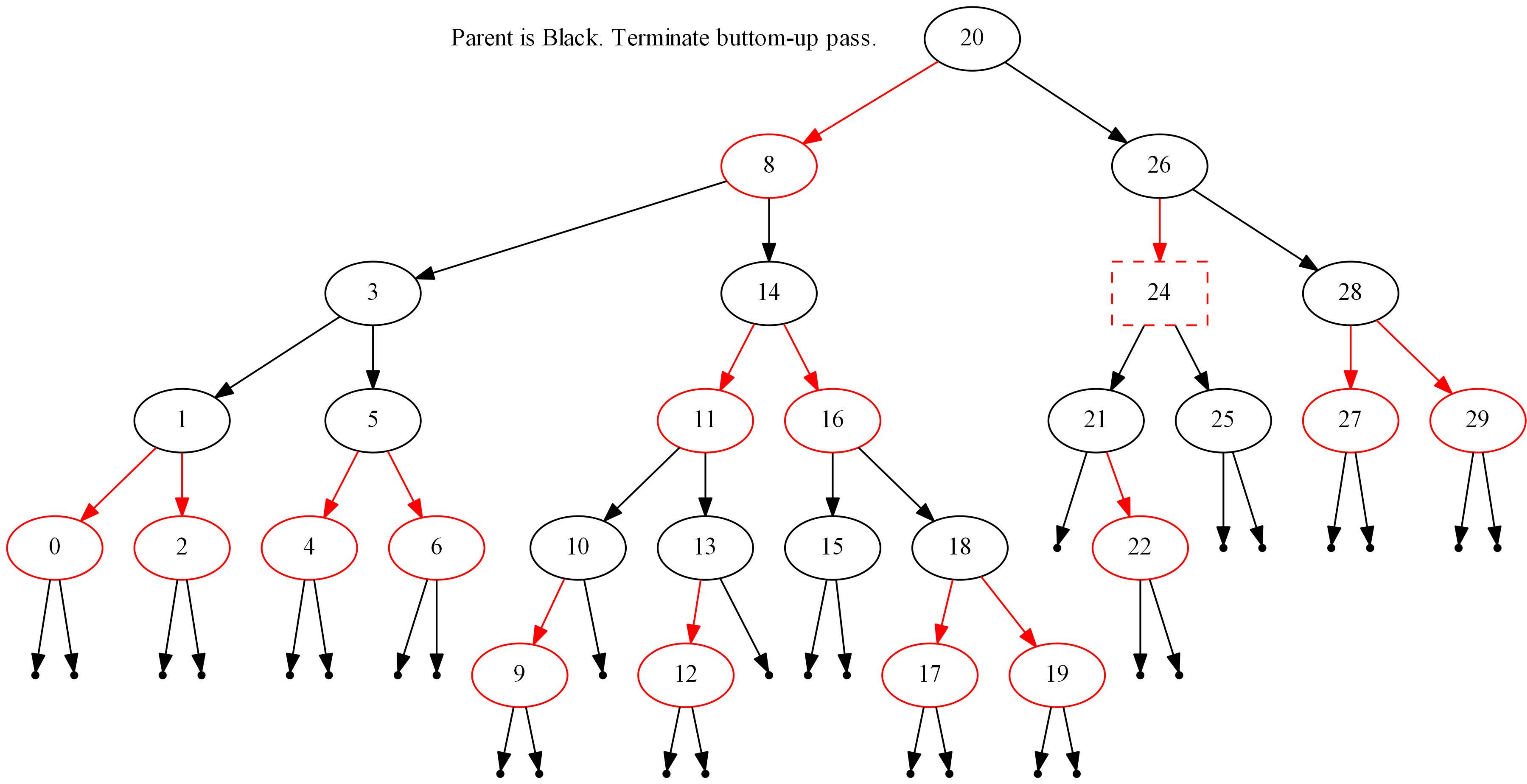






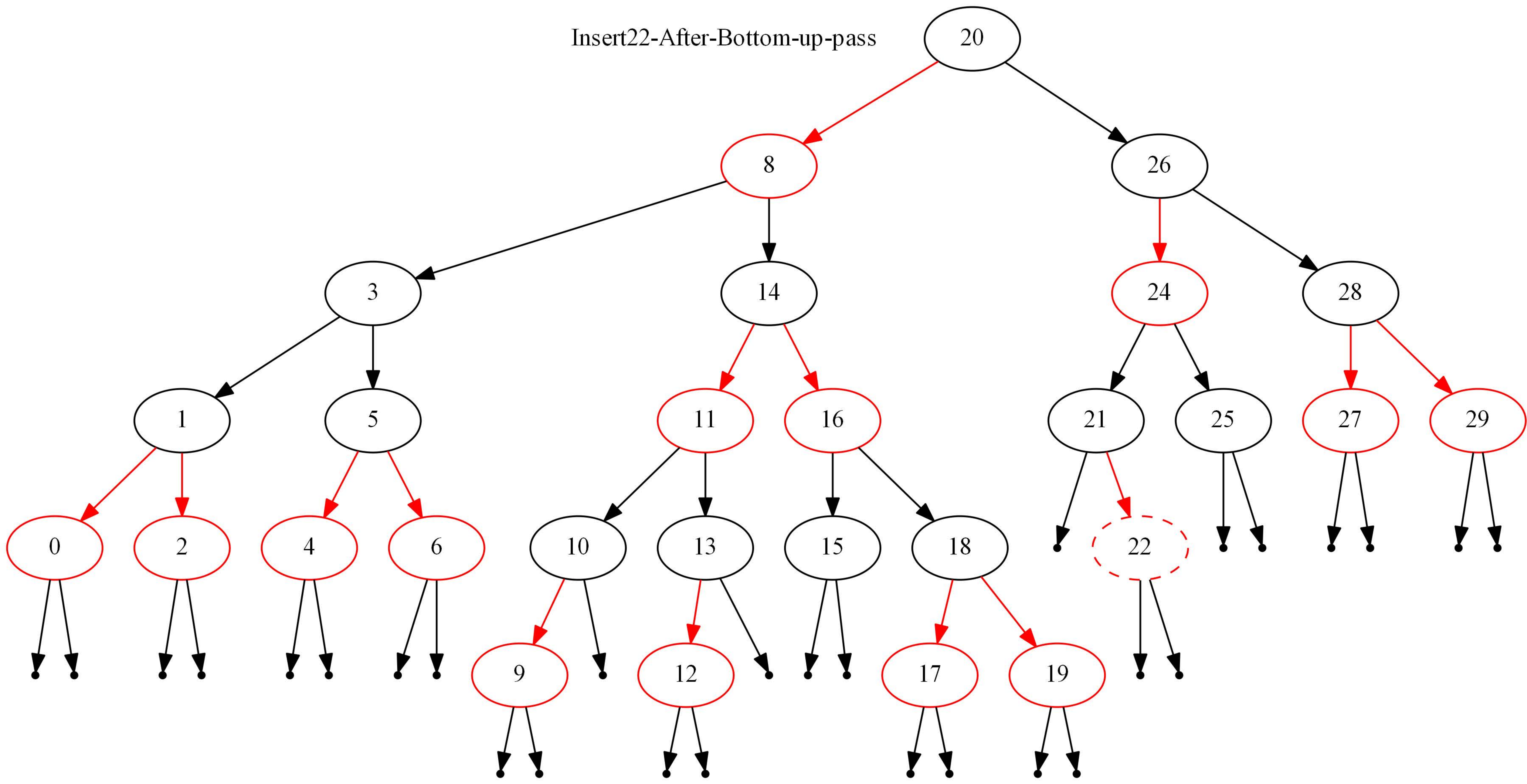


Parent is Black. Terminate bottom-up pass.





Insert22-After-Bottom-up-pass

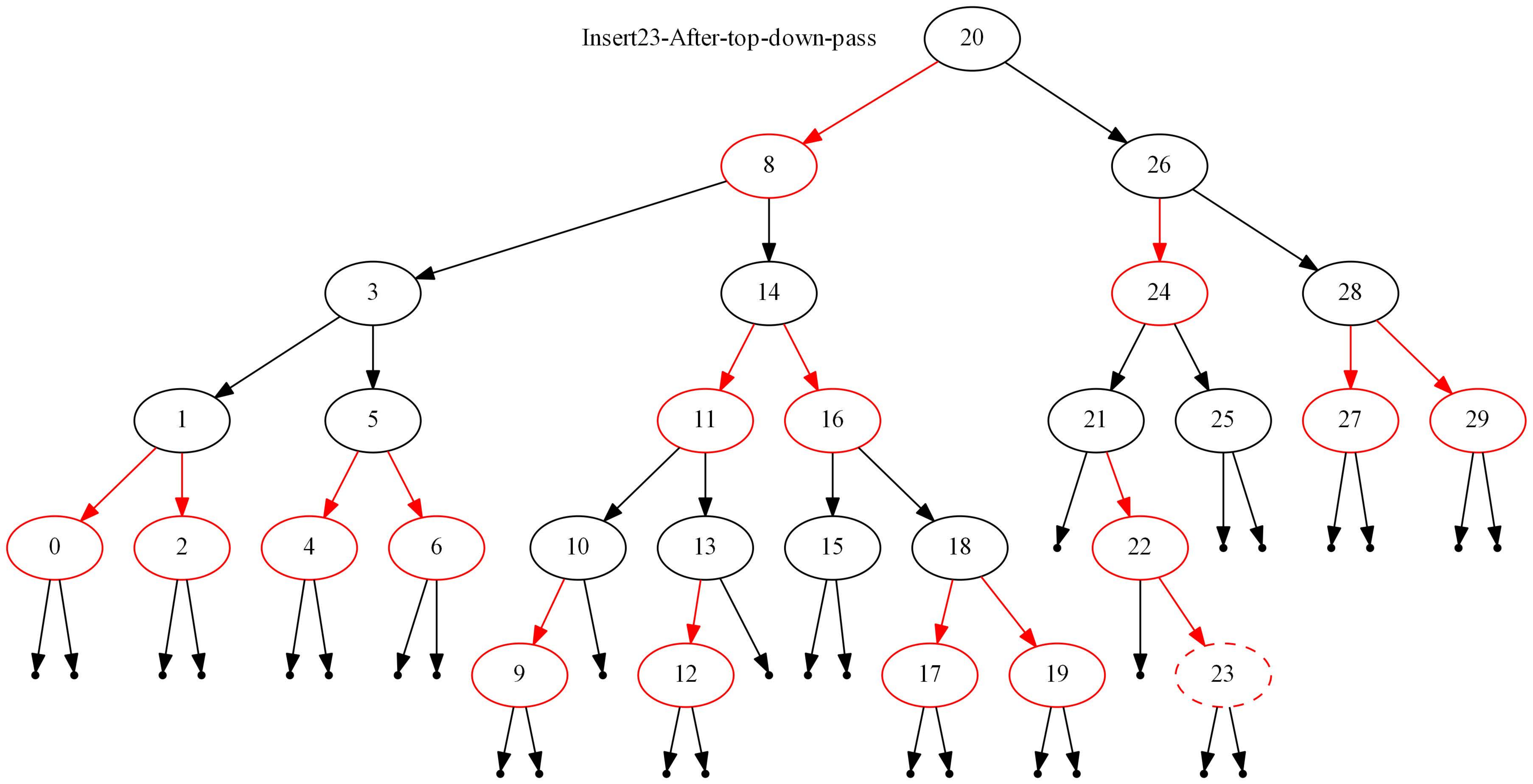






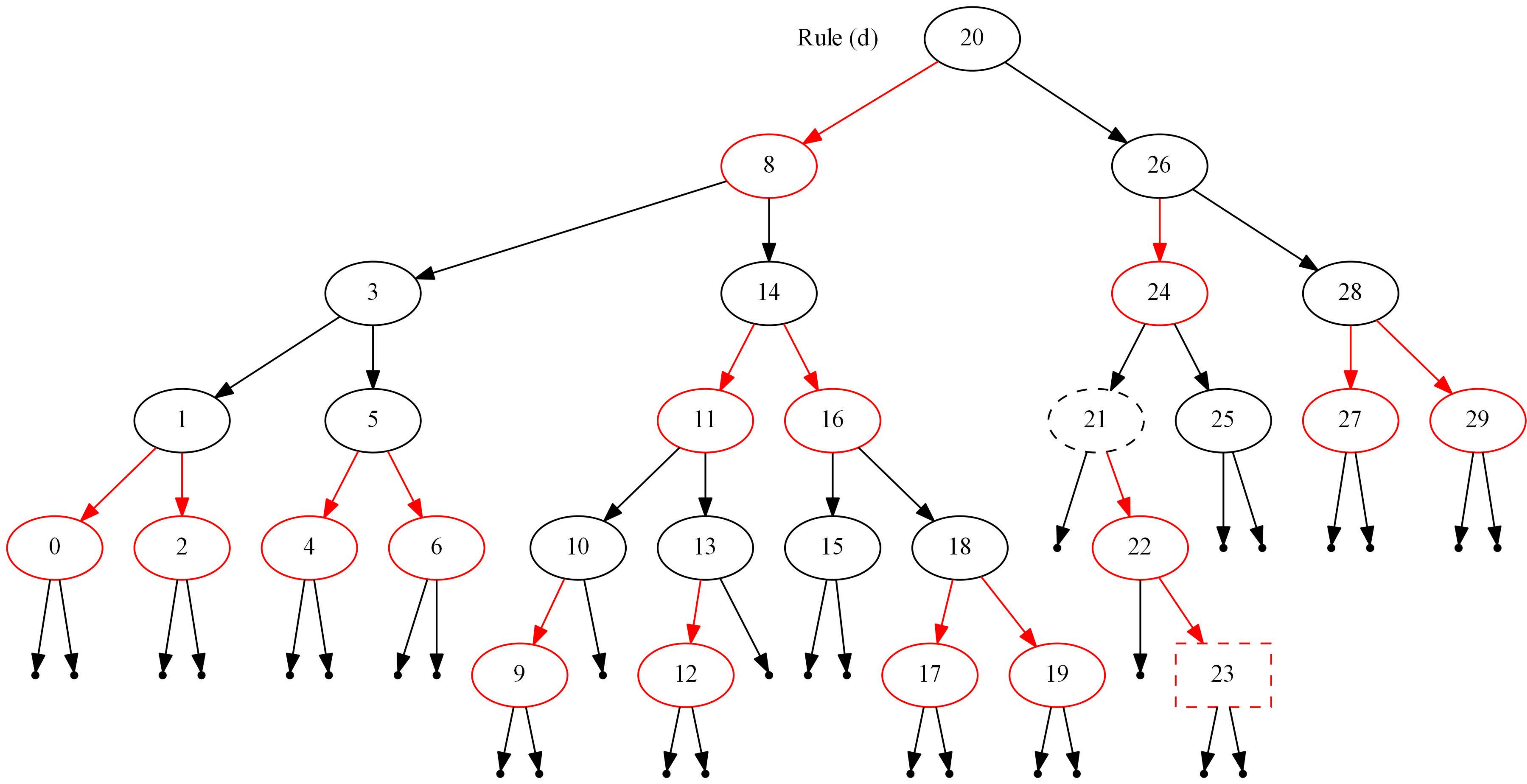


Insert23-After-top-down-pass



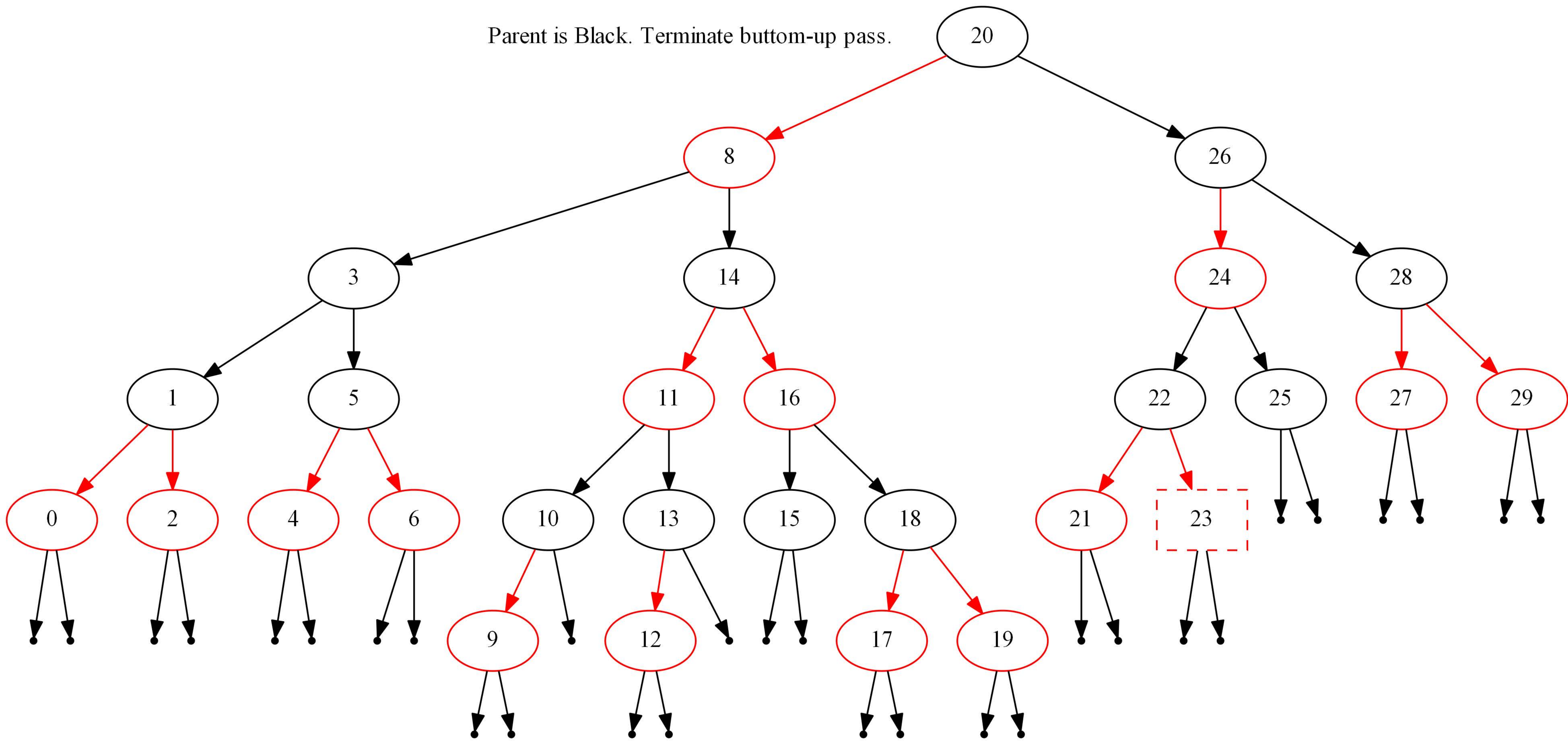


Rule (d)



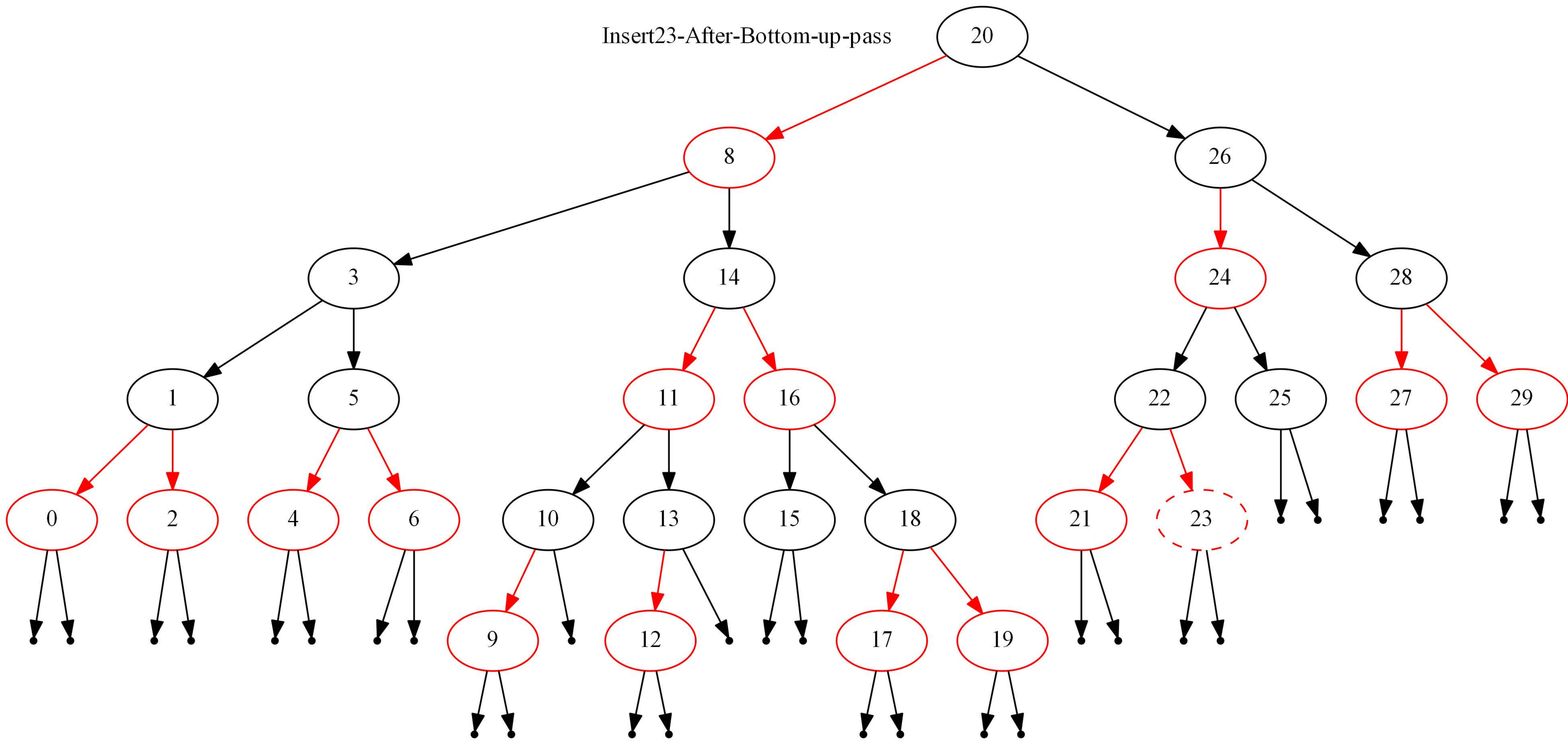


Parent is Black. Terminate bottom-up pass.



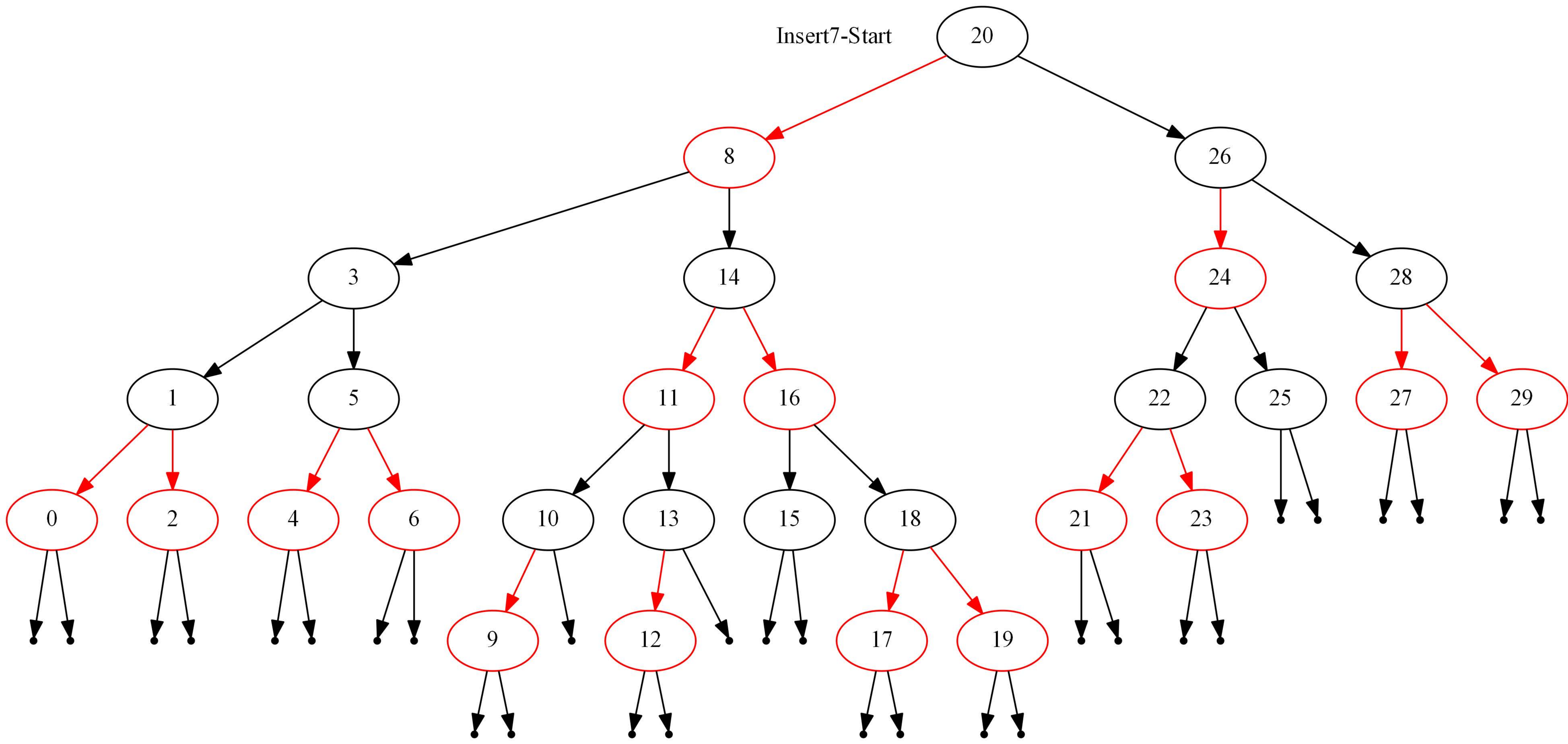


Insert23-After-Bottom-up-pass





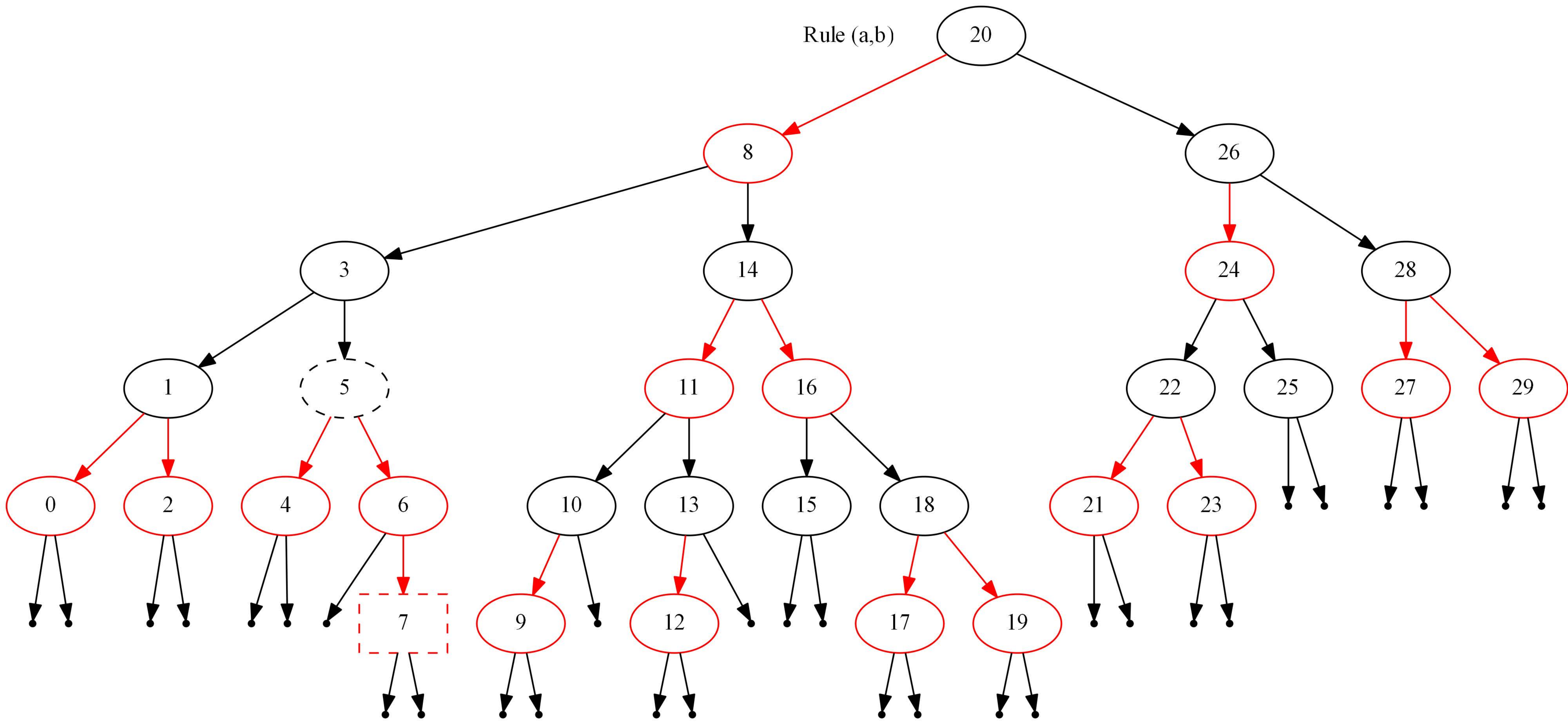
Insert7-Start

















Insert7-After-Bottom-up-pass

