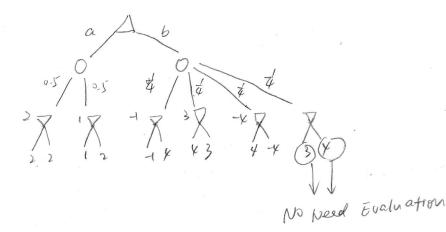
d) [4 Points] Circle all the leaves that need not be evaluated assuming the evaluation order of left-to-right. Explain why.



The 11th and 12th node need no evaluation When evaluating the 10-th Node which is -4., we get a = 1.5 6 = (-1+3-4) × = - = - =

The largest value b can get $15 - \frac{1}{2} + 4 \times \frac{1}{4} = \frac{1}{2} < 1.5$ Therefore there's no need to evaluate rest of bases. a is the best choice