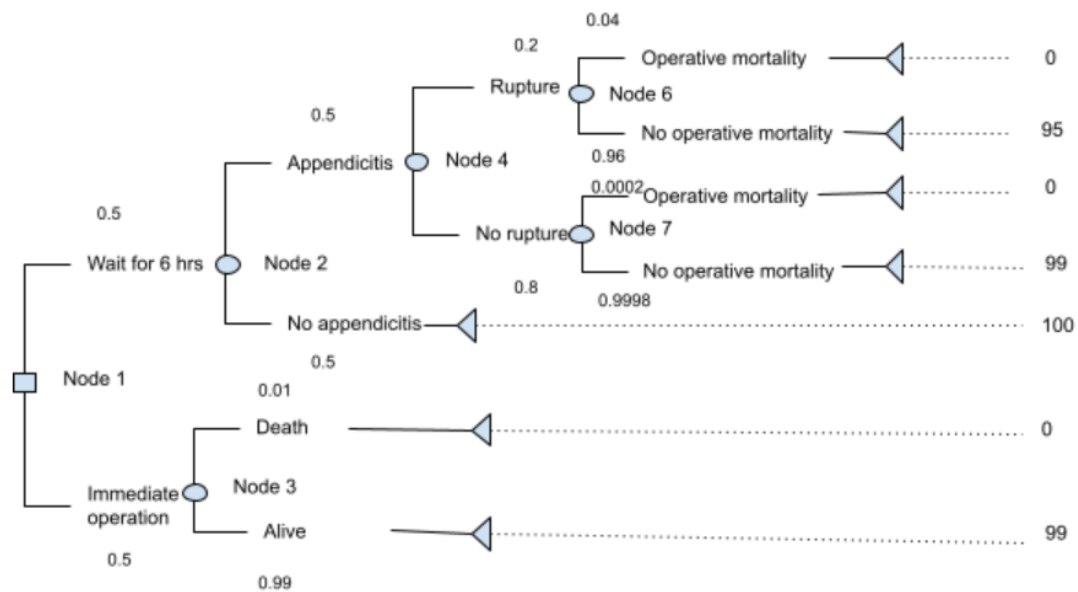Practical 2

Exptected values of Immediate operation (Node 3)

= (0 x 0.01) + (0.99 x 99)

= 98.01

Expected values of Wait and Obeserved for 6 hrs (Node 2)

= (0 x 0.04 x 0.2 x 0.5) + (95 x 0.96 x 0.2 x 0.5) + (0 x 0.0002 x 0.8 x 0.5) + (99 x 0.9998 x 0.8 x 0.5) + (100 x 0.5)

= 9.12 + 39.59 + 50

= 98.71

Wait and observed for 6 hours is a better option to choose as the expected value of wait and observed for 6 hours is higher than expected value of immediate operation.