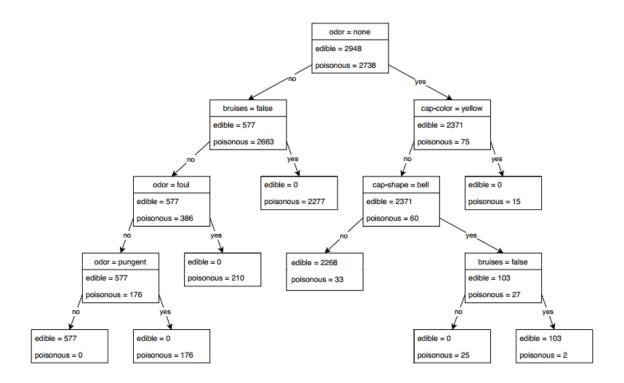
Task 2:

Total error for the tree is: (0 + 0 + 24 + 9 + 0 + 2 + 60 + 27)/(2948+2738) = 122/5686 = 0.021

Viable Nodes for step 1 are "odor = pungent", "cap-color" = pink and "bruises = false"

- "odor = pungent": (122 + 176) / 5686 = 0,0524
- "cap-color = pink": 122 / 5686 = 0.021
- "bruises = false": (122 + 25)/5686 = 0.026
 - → Remove Cap-color = pink, lowest prediction error of the three (stays unchanged to original tree in this case)



Viable Nodes for step 2 are "odor = pungent" and "bruises = false"

Since error remained the same, error for pruned trees also remains the same

- "odor = pungent": (122 + 176) / 5686 = 0,0524
- "bruises = false": (122 + 25)/5686 = 0.026
 - → Remove bruises = false, lowest prediction error

