Colour
$$T = 5/9 - (5/2 + 3/9) = 1/3 = 0.47$$
 $y = 3/1 = 1/3 = 3/9 - (5/2 + 3/9) = 1/3 = 0.47$
 $p = 5/6 = 1/2 - T = 2/9$
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Split on colour, lowest gini

Part2

Froot
$$|-(2/8^2+6/8^2)-3|$$

Size

Small $\frac{1}{8}$ F $\frac{2}{2}$ $|-(\frac{2}{4})^2+(\frac{2}{4})^2-\frac{1}{2}$

Large $\frac{1}{4}$ $|-(\frac{1}{4}+0^2)=0$

Fig. $\frac{1}{4}$ $|-(\frac{1}{4}+0^2)=0$

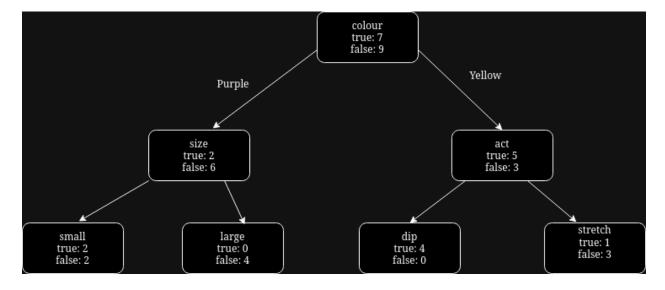
Split on size, lowest gini

Part 2.5

$$\int_{\frac{1}{2}} \frac{1}{\sqrt{1 + \frac{1}{2}}} \frac{1}{\sqrt{1 + \frac{1}{$$

Act
$$5 \text{tetch} \frac{1}{3} \frac{1}{4} \frac{1}{$$

split on act



If yellow then
If dip then true

Else false

Else

If large false

Else true

If even outcome then rule true