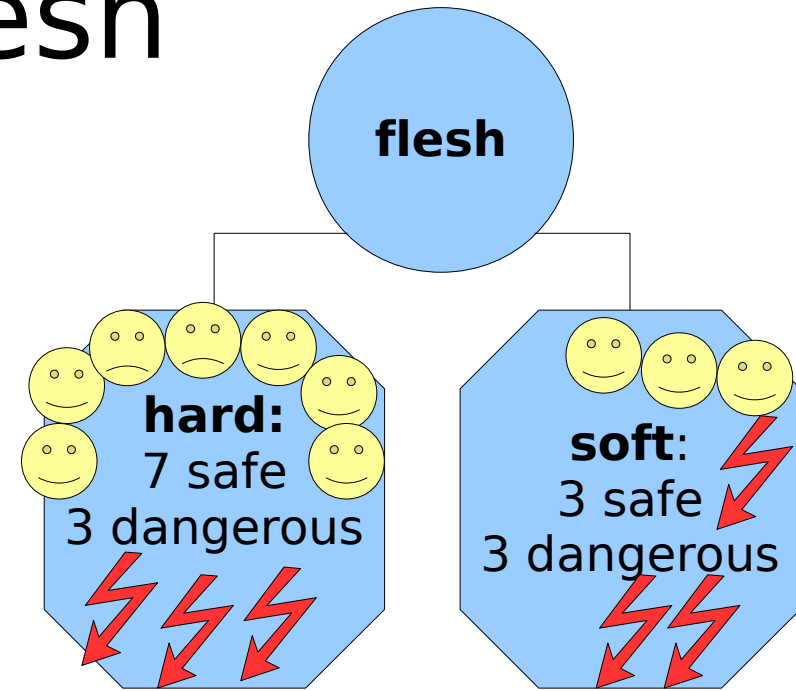


Split on flesh

flesh	class
hard	safe
hard	safe
soft	dangerous
soft	safe
hard	safe
hard	safe
hard	safe
soft	dangerous
hard	dangerous
hard	safe
soft	safe
soft	dangerous
soft	safe
hard	dangerous
hard	safe



Entropy for the node [flesh:hard] = $-7/10 \log(7/10) - 3/10 \log(3/10) = 0.27$

Entropy for the node [flesh:soft] = $-3/6 \log(3/6) - 3/6 \log(3/6) = 0.33$

Averaged entropy of the split on flesh = $10/16 * 0.27 + 6/16 * 0.33 = \mathbf{0.29}$