1. Suppose that the random variables $X, Y, Z$ are obtained by spinning the adjoining roulette, with X given by the innermost circle, Y given by the intermediate circle and $Z$ given by the outer circle. Calculate
a) $\mathrm{H}(\mathrm{Z})$
b) $\mathrm{H}(\mathrm{Z} \mid \mathrm{X}=0)$
C) $H(X \mid Y, Z)$
d) $H(Y, Z)$
e) $H(X, Y, Z)$

(3) For the wheel to the right calculate:
(a) $H(X)$
(b) $H(X \mid Y=0)$
(c) $H(X \mid Y)$
(d) $H(Y \mid X)$

