

2-1-5

Four Coins, HT

H H H H	T H H H	H H T T	T H T H	T T H H
T T T T	H H H T	T T H T	H T H T	T T H T
	H H T H	H T T H		T H T T
	H T H H	T H H T		T H T T

5 A
6 A

(A) $S = 4 + 4 + 4 + 4 = 16$

(B) $E = \left\{ \begin{matrix} H H T T & T T H H & H T H T \\ H T T H & T H H T & T H T H \end{matrix} \right\}$

(C) $P(E) = 6/16$

2-1-6

$S = \{a, b, c, d\}$

$b = 2a$

$a = 1$

$P(a) = 1/33$

$c = 3b$

$b = 2$

$P(b) = 2/33$

$d = 4c$

$c = 6$

$P(c) = 6/33$

$d = 24$

$P(d) = 24/33$

$P(b, d) = 26/33$