Problem 2 -1(1.1,1.25, 2(2.1,2.2), 3, 4(4.1-4.3), 5

(eader, innovative, determined, logical, empalletic, dreamer, analytical

Event B) empethetic & d inn.

(1.1) choose 3 out of 7, what is probability of being admitted

total space =
$$(\frac{7}{3}) = 210$$
 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
Event (3) I) II IS
 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
Event (3) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
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 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
Event (3) I) EES
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Event (4) I) EES
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Event (5) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
Event (5) I) EES
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Event (5) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{42}{210}$
Event (5) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (5) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (6) II EX
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (7) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (8) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (7) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (8) I) EES
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (8) II EX
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (8) II EX
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
Event (8) EVENT (8) EX
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Event (8) EVENT (8) EX
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
EVENT (8) EX
 $\frac{30 + 15 - 3}{210} = \frac{10}{210}$
EVENT (8) EX
 $\frac{30 + 1$

IS + 15

2) Consider & sequential Plips of a fair coin
2.1) A=2 Flips both heads R= first or rest
is tails
are A and R independent?

3) Wordle

Wasty Hashy Board Hoard Maths

Chosing between Nasty and Hosty

	_
Hasty Vasty 2x ts = 2 1x ts = 2 2x ts = 2 2 2 4 4 4 4 4 4 4	~ N/S N/S N/S
9/5	3
Hasty = 1.8 woves	
Martin - 2 11 00	

21.1) Suspect is innovent?

P(innovent/nath) =
$$\frac{99}{10000}$$
/ $\frac{100}{10000}$ = $\frac{99}{10000}$

4.2) Plmath/innount)

$$\frac{99}{100000} / \frac{99,999}{10000} = .00099$$

5) P(2412/2012/06/26) 5) 2 planets. 3 3 planets. 7 redelcopp Zexoplanets How litely earth-orbiting it? PLS). Planet octy)

O.8 - O.53. 3 PC 2 planets), PC 2 gar) 0.3 (13)-U.S)² = 0.751.75 = 0.28573.68%0 17368