Statistics Assignment 5

1) Probability that taken out marble is Jefinitely green = 1/2 Probability that taken out marble is probable green/blue = 1 If taken out marble is definitely green, Probability of other markle to be green is is probable If taken out marble of other marble green /b/ue, probability to be green is 1.

Thus, total probability that the remaining marble is green is

$$\frac{1}{2}(\frac{1}{2}) + \frac{1}{2}(1) = \frac{1}{4} + \frac{1}{2} = \frac{3}{4}$$

= 0.75

1) Maving aloo roti for breakfast.

Event D

Aloo availability

at home

Event B Atta availability Event C Having aloo voti

ct home Both also and atta eve required to make and have also roti. Also, having also roti does not guarantee availability of either atta or also since also voti con be ordered from outside. However, if both also and atta are at home, also roti will be made at home and eaten. Thus, having also roti, also availability and atta availability can be predicted together but not in Pairs.