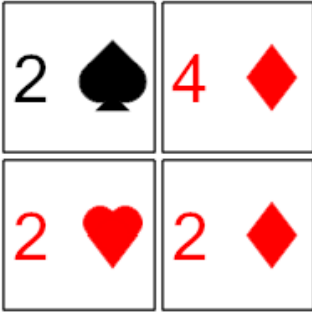


Probability Union, Intersection, Complement - Example Problem to Name

1 What set operation would give you the probability of drawing a card that is both under 6 and even?



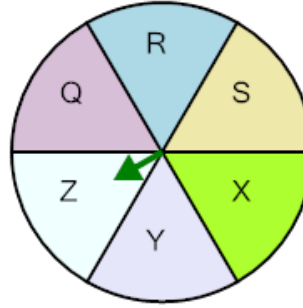
A (under 6) conditional on (even)

B Complement of (under 6)

C (under 6) intersect (even)

D (under 6) union (even)

2 What set operation would give you the probability of not spinning 'Z'?



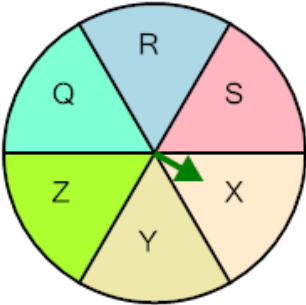
A (Z) intersect (Z)

B (Z) conditional on (Z)

C (Z) union (Z)

D Complement of (Z)

3 What set operation would give you the probability of spinning 'X' twice in a row?



A X_1 union X_2

B Complement of X_1

C X_1 intersect X_2

4 What set operation would give you the probability of drawing a card that is both a heart and over 6?



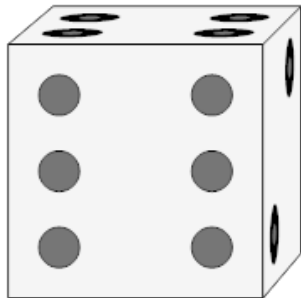
A Complement of (hearts)

B (hearts) intersect (over 6)

C (hearts) union (over 6)

D (hearts) conditional on (over 6)

5 What set operation would give you the probability of not rolling a 6?



A (6) conditional on (6)

B (6) intersect (6)

C Complement of (6)

D (6) union (6)

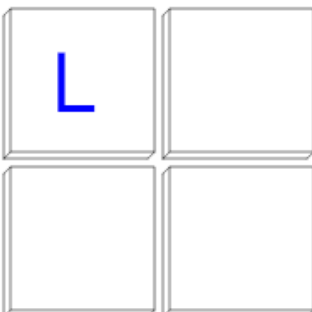


6 What set operation would give you the probability of drawing an 'F' twice in a row?

A F_1 intersect F_2

B Complement of F_1

7 What set operation would give you the probability of drawing an 'L' twice in a row?

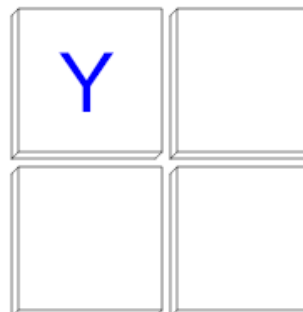


A L_1 conditional on L_2

B L_1 intersect L_2

C L_1 union L_2

8 What set operation would give you the probability of drawing an 'Y' twice in a row?



A Y_1 union Y_2

B Y_1 intersect Y_2

C Y_1 conditional on Y_2