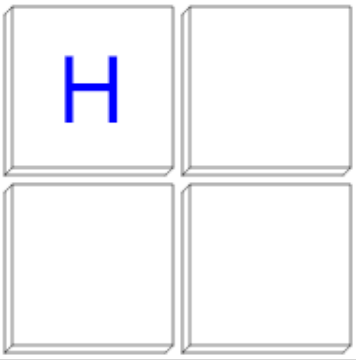
Name

Probability Union, Intersection, Complement - Letter Tiles Example Problem to Set Operation

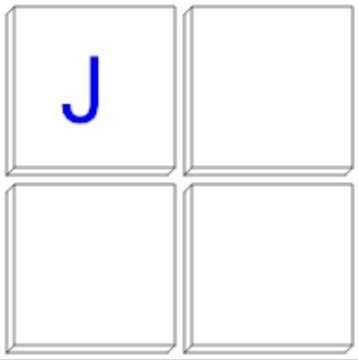
1



What set operation would give you the probability of the selected letter being 'H', if you know that the selected letter is before 'O' in the alphabet?

A	B
$P(\text{'H'}\vert\text{before 'O'})$	$P(\text{before 'O'}\vert\text{'H'})$

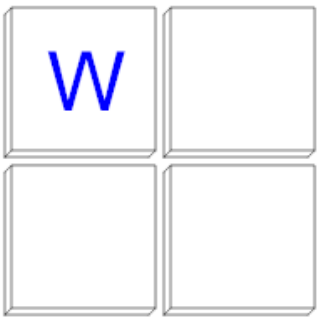
2



What set operation would give you the probability of the selected letter being 'J', if you know that the selected letter is before 'K' in the alphabet?

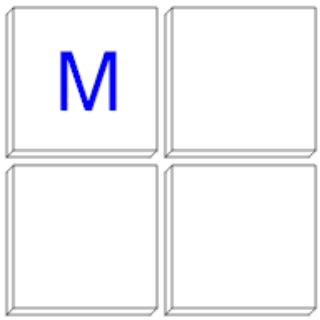
A	B
$P(\text{'J' } \cup \text{ before 'K'})$	$P(\text{'J'}\vert\text{before 'K'})$

3 What set operation would give you the probability of not drawing an 'W'?



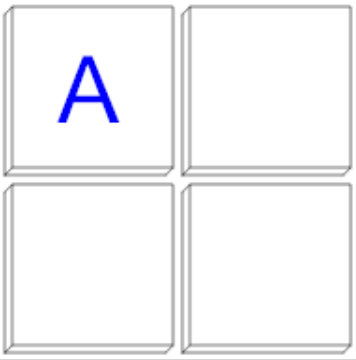
A	B
$P(W')$	$P(W \cap W)$
C	
$P(W \cup W)$	

4 What set operation would give you the probability of not drawing an 'M'?



A	B
$P(M')$	$P(M\vert M)$
C	
$P(M \cup M)$	

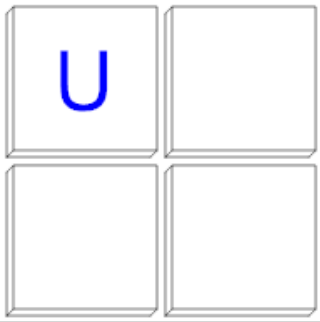
5



What set operation would give you the probability of the selected letter being 'A', if you know that the selected letter is before 'O' in the alphabet?

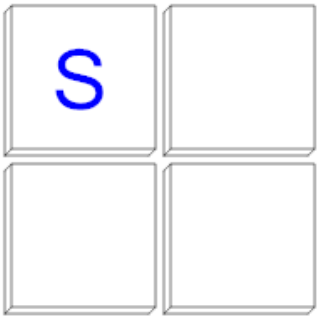
A	B
$P(\text{'A'}\vert\text{before 'O'})$	$P(\text{'A'}')$

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



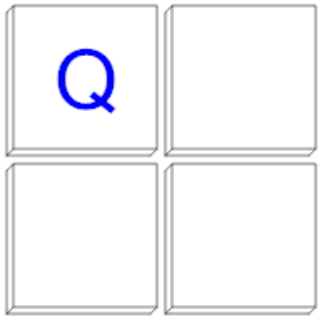
A	B
$P(U_1')$	$P(U_1\vert U_2)$
C	
$P(U_1 \cap U_2)$	

7 What set operation would give you the probability of drawing an 'S' at least once given two tries?



A	B
$P(S_1 \cup S_2)$	$P(S_1 \cap S_2)$
C	
$P(S_1')$	

8 What set operation would give you the probability of not drawing an 'Q'?



A	B
$P(Q')$	$P(Q\vert Q)$
C	
$P(Q \cup Q)$	