

		<b>Die # 2</b>						
		<b>Sample Space</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Die # 1</b>	<b>1</b>	<b>(1,1)</b>	<b>(1,2)</b>	<b>(1,3)</b>	<b>(1,4)</b>	<b>(1,5)</b>	<b>(1,6)</b>	
	<b>2</b>	<b>(2,1)</b>	<b>(2,2)</b>	<b>(2,3)</b>	<b>(2,4)</b>	<b>(2,5)</b>	<b>(2,6)</b>	
	<b>3</b>	<b>(3,1)</b>	<b>(3,2)</b>	<b>(3,3)</b>	<b>(3,4)</b>	<b>(3,5)</b>	<b>(3,6)</b>	
	<b>4</b>	<b>(4,1)</b>	<b>(4,2)</b>	<b>(4,3)</b>	<b>(4,4)</b>	<b>(4,5)</b>	<b>(4,6)</b>	
	<b>5</b>	<b>(5,1)</b>	<b>(5,2)</b>	<b>(5,3)</b>	<b>(5,4)</b>	<b>(5,5)</b>	<b>(5,6)</b>	
	<b>6</b>	<b>(6,1)</b>	<b>(6,2)</b>	<b>(6,3)</b>	<b>(6,4)</b>	<b>(6,5)</b>	<b>(6,6)</b>	

Sample space Octahedron

		<b>Die # 2</b>							
<b>Sample Space</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Die # 1</b>	<b>1</b>	(1,1)	(1,2)	(1,3)	(1,4)	(1,5)	(1,6)	(1,7)	(1,8)
	<b>2</b>	(2,1)	(2,2)	(2,3)	(2,4)	(2,5)	(2,6)	(2,7)	(2,8)
	<b>3</b>	(3,1)	(3,2)	(3,3)	(3,4)	(3,5)	(3,6)	(3,7)	(3,8)
	<b>4</b>	(4,1)	(4,2)	(4,3)	(4,4)	(4,5)	(4,6)	(4,7)	(4,8)
	<b>5</b>	(5,1)	(5,2)	(5,3)	(5,4)	(5,5)	(5,6)	(5,7)	(5,8)
	<b>6</b>	(6,1)	(6,2)	(6,3)	(6,4)	(6,5)	(6,6)	(6,7)	(6,8)
	<b>7</b>	(7,1)	(7,2)	(7,3)	(7,4)	(7,5)	(7,6)	(7,7)	(7,8)
	<b>8</b>	(8,1)	(8,2)	(8,3)	(8,4)	(8,5)	(8,6)	(8,7)	(8,8)

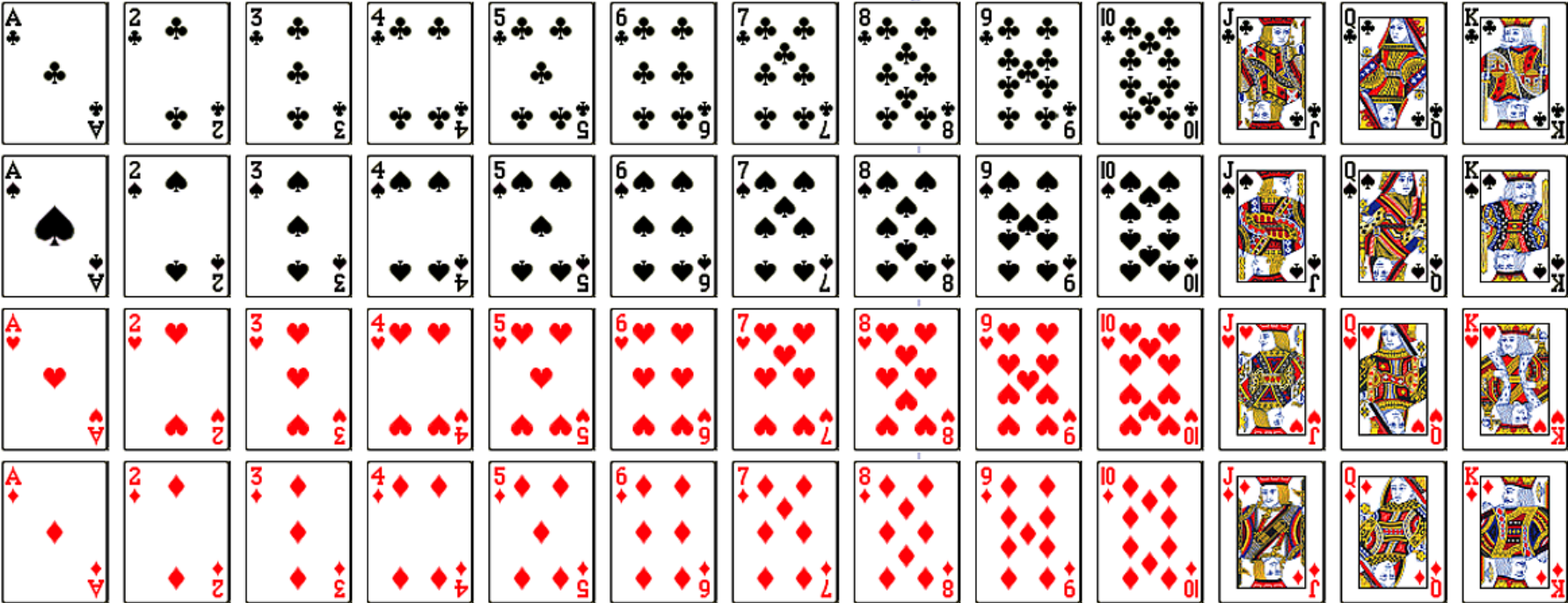
Sum of two dice

		<b>Die # 2</b>						
		<b>Sum</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Die # 1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	
	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	
	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	
	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	
	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	

Sum of Octahedron Dice

		<b>Die # 2</b>							
<b>Sum</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Die # 1</b>	<b>1</b>	2	3	4	5	6	7	8	9
	<b>2</b>	3	4	5	6	7	8	9	10
	<b>3</b>	4	5	6	7	8	9	10	11
	<b>4</b>	5	6	7	8	9	10	11	12
	<b>5</b>	6	7	8	9	10	11	12	13
	<b>6</b>	7	8	9	10	11	12	13	14
	<b>7</b>	8	9	10	11	12	13	14	15
	<b>8</b>	9	10	11	12	13	14	15	16

Deck of Cards



Out[26]=

# Ranking of Poker Hands



**ROYAL FLUSH**



**STRAIGHT**



**STRAIGHT FLUSH**



**THREE OF A KIND**



**FOUR OF A KIND**



**TWO PAIR**



**FULL HOUSE**



**ONE PAIR**



**FLUSH**



**HIGH CARD**

Outcome tree

