"At Least One" Probabilities

SUMMARY You Win if a Hand of "r" Cards Contains At Least One of Your Chosen "v" Values	"r" Number of Cards Dealt at a Time				
"v" Distinct Card Values	2	3	4	5	6
2	Top % = Probability of Winning Just One Hand Bottom % = Probability of Winning **More than 50%** of All the Hands that Can Be Dealt Out			58 % Probability of Winning is **59%**	65 % Probability of Winning is **71%**
3		55 % Probability of Winning is **67%**	66 % Probability of Winning is **89%**	75 % Probability of Winning is **92%**	81 % Probability of Winning is **95%**
4	53 % Probability of Winning is **67%**	68 % Probability of Winning is **94%**	78 % Probability of Winning is **99%**	85 % Probability of Winning is **99%**	90 % Probability of Winning is **99%**
5	63 % Probability of Winning is **87%**	78 % Probability of Winning is **99%**	87 % Probability of Winning is **99%**	92 % Probability of Winning is **99%**	96 % Probability of Winning is **99%**
6	71 % Probability of Winning is **98%**	85 % Probability of Winning is **99%**	92 % Probability of Winning is **99%**	96 % Probability of Winning is **99%** You Cannot Lose !	98 % Probability of Winning is **99%** You Cannot Lose !

Formula : $1 - \frac{n\,C\,r}{52\,C\,r}$

v = # Distinct Card Values (You choose as yours.)

n = 52 - 4v (Number of cards in the deck that are not yours.)

r = # Cards Dealt (at a time)