Scenario	Probability	Formula
Double aces		
Being dealt aces preflop	<b>0.452%</b> (1 : 220)	$6 \times {52 \choose 2}^{-1}$
If you have aces preflop your opponent has aces as well (heads-up)	<b>0.0816%</b> (1:1,224)	$\binom{50}{2}^{-1}$
If you have aces preflop an opponent has aces as well (full-ring)	<b>0.651%</b> (1 : 153)	$1 - \left(1 - {50 \choose 2}^{-1}\right)^8$
Kings vs. aces		
If you have kings preflop your opponent has aces (heads-up)	<b>0.490%</b> (1 : 203)	$6 \times {50 \choose 2}^{-1}$
If you have kings preflop an opponent has aces (full-ring)	<b>3.85%</b> (1 : 25)	$1 - \left(1 - 6 \times {50 \choose 2}^{-1}\right)^8$
You are dealt kings and your opponent has aces (heads-up)	<b>0.00222%</b> (1:45,120)	$6 \times {52 \choose 2}^{-1} \times 6 \times {50 \choose 2}^{-1}$
You are dealt kings and someone has aces (full-ring)	<b>0.0174%</b> (1:5,737)	$6 \times {\binom{52}{2}}^{-1} \times \left(1 - \left(1 - 6 \times {\binom{50}{2}}^{-1}\right)^{8}\right)$
Queens vs. aces or kings		
If you have queens preflop your opponent has kings or aces (heads-up)	<b>0.980%</b> (1:101)	$2 \times 6 \times {50 \choose 2}^{-1}$
If you have queens preflop an opponent has kings or aces (full-ring)	<b>7.57%</b> (1 : 12)	$1 - \left(1 - 2 \times 6 \times {50 \choose 2}^{-1}\right)^8$
You are dealt queens and your opponent has aces or kings (heads-up)	<b>0.00443%</b> (1:22,559)	$6 \times {52 \choose 2}^{-1} \times 2 \times 6 \times {50 \choose 2}^{-1}$
You are dealt queens and someone has aces or kings (full-ring)	<b>0.0343%</b> (1 : 2,917)	$6 \times {52 \choose 2}^{-1} \times \left(1 - \left(1 - 2 \times 6 \times {50 \choose 2}^{-1}\right)^{8}\right)$
Jacks vs. better pairs		
If you have jacks preflop your opponent has a better pair (heads-up)	<b>1.31%</b> (1 : 76)	$3 \times 6 \times {50 \choose 2}^{-1}$
If you have jacks preflop an opponent has a better pair (full-ring)	<b>11.2%</b> (1:8.0)	$1 - \left(1 - 2 \times 6 \times {50 \choose 2}^{-1}\right)^8$
You are dealt jacks and your opponent has a better pair (heads-up)	<b>0.00665%</b> (1:15,039)	$6 \times {52 \choose 2}^{-1} \times 3 \times 6 \times {50 \choose 2}^{-1}$
You are dealt jacks and someone has a better pair (full-ring)	<b>0.0505%</b> (1:1,978)	$6 \times {52 \choose 2}^{-1} \times \left(1 - \left(1 - 3 \times 6 \times {50 \choose 2}^{-1}\right)^{8}\right)$
Ace-king vs. aces or kings		
If you have ace-king preflop your opponent has kings or aces (heads-up)	<b>0.490%</b> (1 : 203)	$2 \times 3 \times {50 \choose 2}^{-1}$
If you have ace-king preflop an opponent has kings or aces (full-ring)	<b>3.85%</b> (1 : 25)	$1 - \left(1 - 2 \times 3 \times {50 \choose 2}^{-1}\right)^8$
Ace-queen vs. queens+ or ace-king		
If you have ace-queen preflop your opponent has queens+ or ace-king (heads-up)	<b>1.96%</b> (1 : 50)	$(3+6+3+12) \times {50 \choose 2}^{-1}$
If you have ace-queen preflop an opponent has queens+ or ace-king (full-ring)	<b>14.6%</b> (1 : 5.8)	$1 - \left(1 - \left(3 + 6 + 3 + 12\right) \times {50 \choose 2}^{-1}\right)^8$
Ace-jack vs. jacks+ or ace-queen+		
If you have ace-jack preflop your opponent has jacks+ or ace-queen (heads-up)	<b>3.43%</b> (1 : 28)	$(3+2\times 6+3+2\times 12)\times {50\choose 2}^{-1}$
If you have ace-jack preflop an opponent has jacks+ or ace-jack (full-ring)	<b>24.4%</b> (1:3.1)	$1 - \left(1 - \left(3 + 2 \times 6 + 3 + 2 \times 12\right) \times {\binom{50}{2}}^{-1}\right)^{8}$