

First Card	Second Card	Third Card	Possible Events
$\mathbf{F} \left(\frac{12}{52} \right)$	$\mathbf{F} \left(\frac{11}{51} \right)$	$\mathbf{F} \left(\frac{10}{50} \right)$	$\mathbf{FFF} \left(\frac{12}{52} \frac{11}{51} \frac{10}{50} = \frac{1320}{132600} \approx 0.001 \right)$
		$\mathbf{N} \left(\frac{40}{50} \right)$	$\mathbf{FFN} \left(\frac{12}{52} \frac{11}{51} \frac{40}{50} = \frac{5280}{132600} \approx 0.040 \right)$
	$\mathbf{N} \left(\frac{40}{51} \right)$	$\mathbf{F} \left(\frac{11}{50} \right)$	$\mathbf{FNF} \left(\frac{12}{52} \frac{40}{51} \frac{11}{50} = \frac{5280}{132600} \approx 0.040 \right)$
		$\mathbf{N} \left(\frac{39}{50} \right)$	$\mathbf{FNN} \left(\frac{12}{52} \frac{40}{51} \frac{39}{50} = \frac{18720}{132600} \approx 0.141 \right)$
$\mathbf{N} \left(\frac{40}{52} \right)$	$\mathbf{F} \left(\frac{12}{51} \right)$	$\mathbf{F} \left(\frac{11}{50} \right)$	$\mathbf{NFF} \left(\frac{40}{52} \frac{12}{51} \frac{11}{50} = \frac{5280}{132600} \approx 0.040 \right)$
		$\mathbf{N} \left(\frac{39}{50} \right)$	$\mathbf{NFN} \left(\frac{40}{52} \frac{12}{51} \frac{39}{50} = \frac{18720}{132600} \approx 0.141 \right)$
	$\mathbf{N} \left(\frac{39}{51} \right)$	$\mathbf{F} \left(\frac{12}{50} \right)$	$\mathbf{NNF} \left(\frac{40}{52} \frac{39}{51} \frac{12}{50} = \frac{18720}{132600} \approx 0.141 \right)$
		$\mathbf{N} \left(\frac{38}{50} \right)$	$\mathbf{NNN} \left(\frac{40}{52} \frac{39}{51} \frac{38}{50} = \frac{59280}{132600} \approx 0.447 \right)$