





Prantie	Dront.		1	end l	10
$\mathcal{N}_{l} \rightarrow \mathcal{M}_{l}$	While I	naibles	N-	ν	
$\mathcal{M}_{(} \rightarrow$	black	maibles	M		
Can 1 ->	White	marbles			
Can 1 ->		W + M			
Probability Obtaining wh	from Ite from	seem um		$\frac{1}{2} + 1$	N _t M
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4 players. -> draw 4 cards early 52 cards Probability that after the swap all 4 players have all their 4 cards from different suits. __ > (13, 13, 13) Swaps No Swap > Already have 4 difflent swaps or 1 8wap. (2 players ewap) 3 perter the 2 swaps (players) player 2. player 3 8 wap -> player 4 et Combonations how min so do but max. 2 suraps.

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