

## mobius

## **Probability Counting - Duplicate Orders** in 5 Cards, 2 Repeats - to Factorial



Eauc	1100						
How many way these cards be arranged to still be arranged	1	в 3! · 2!	c 2!	How many ways can these cards be arranged to still be arranged	A 51 . 21	<sup>B</sup>	° 3! · 4!
2 De 2 as fa 2 ria	3! · 2!	]	3! · 2!	10 h 10 targest?	J: · Z!	J: · J!	J: `4!
3 🍁 3 💠	D	E	F	J 💙 J 🏚	D 1	E 2!	F
	3! · 3!	5! · 2!	4! · 2!		3! · 2!		3! · 2!
How many ways can these cards be arranged to still be arranged	Α	В	c 1	How many ways can these cards be arranged to still be arranged	A 2!	В	С
smallest to largest?  8 \$\infty\$ as \infty\$ for \infty\$	3! · 2!	2! · 3!	2! · 2!	smallest to largest?  2	2! · 3!	2! · 5!	3! · 3!
10♥ 10♦	2!	E	F	3 📤 3 🔷	D	E	F
	2! · 2!	4! · 2!	2! · 2!		2! · 4!	2! · 3!	4! · 3!
How many ways can these cards be arranged to still be arranged	A	В	С	How many ways can these cards be arranged to still be arranged	A 2!	В	С
smallest to largest? 7	3! · 4!	4! · 2!	5! · 2!	snallest to largest?  3 \$\infty\$ 3 \$\infty\$ 3 \$\infty\$ 1 3 \$\infty\$ 1 \$\infty	2! · 3!	2! · 5!	2! · 3!
	D <b>1</b>	Е	F 2!	4 • 4 •	D	E	F 1
	3! · 2!	3! · 2!	3! · 2!		3! · 3!	4! · 3!	2! · 3!
How many ways can these cards be arranged to still be arranged	A 1	в 2!	С	How many ways can these cards be arranged to still be arranged	Α	В	c 2!
smallest to largest?		2! · 3!	2! · 3!	smallest to argest?  3 4 3 4 4 4	3! · 4!	3! · 2!	3! · 2!
	D	E	F	4 📤 4 💙	D <b>1</b>	E	F
	2! · 5!	2! · 4!	4! · 3!		3! · 2!	4! · 2!	3! · 3!