

<b>Compartment (1)</b>	<b>Compartment (2)</b>
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Distribution	Number of Particles	Name(Type) of particles	Number of Particles	Name(Type) of Particles	Total Number of Arrangements
<b>Distribution (1)</b>	0	-	4	{a,b,c,d}	1
<b>Distribution (2)</b>	1	{a} {b} {c} {d}	3	{b,c,d} {c,d,a} {d,a,b} {a,b,c}	4
<b>Distribution (3)</b>	2	{a,b} {b,c} {c,d} {a,c} {b,d} {a,d}	2	{c,d} {a,d} {a,b} {b,d} {a,c} {b,c}	6
<b>Distribution (4)</b>	3	{b,c,d} {c,d,a} {d,a,b} {a,b,c}	1	{a} {b} {c} {d}	4
<b>Distribution (5)</b>	4	{a,b,c,d}	0	-	1