The Simplex for $q = \dfrac{2}{3}$
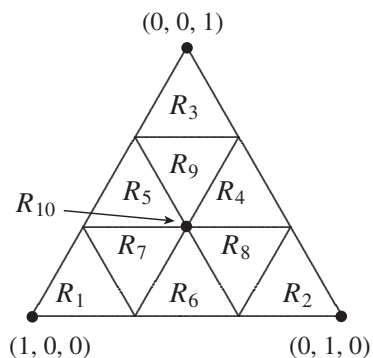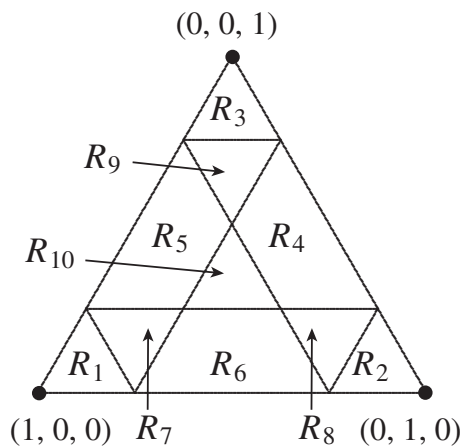

1. Fill out the following chart and label the boundaries of the regions.

Region	Sample System	ψ_i A	B	C
R_1				
R_2				
R_3				
R_4				
R_5				
R_6	[10: 6, 6, 3]	0.5	0.5	0
R_7				
R_8				
R_9				
R_{10}				

2. Create an example of the Paradox of Redistribution for a system with $q = \frac{3}{4}$ where the original system is in the interior of R_8 and the new system is in the interior of R_4.

3. Do the same but where the original system is in the interior of R_5 and the new system is in the interior of R_9.

$$(0, 0, 1)$$

The Simplex for $q = \dfrac{3}{4}$

4. Fill out the following chart and label the boundaries of the regions.

Region	Sample System		ψ_i	
		A	B	C
R_1				
R_2				
R_3				
R_4				
R_5				
R_6				
R_7				
R_8				
R_9				
R_{10}				

5. Create an example of the Paradox of a New Member for a system with $q = \frac{3}{4}$.