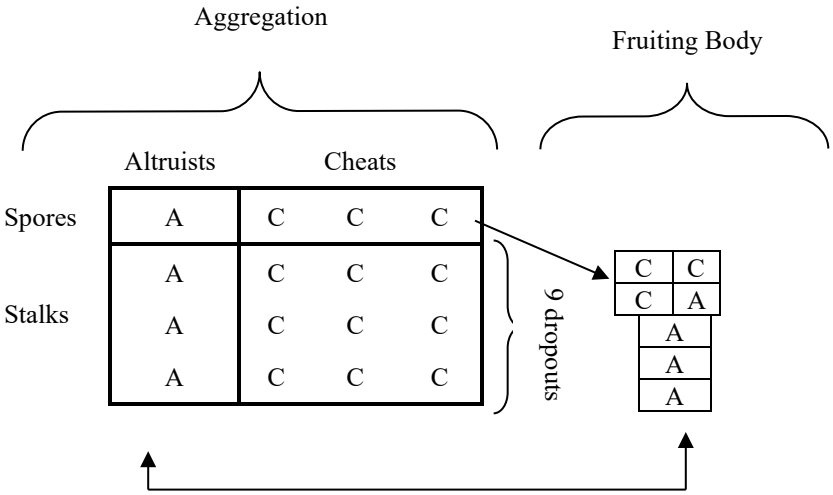
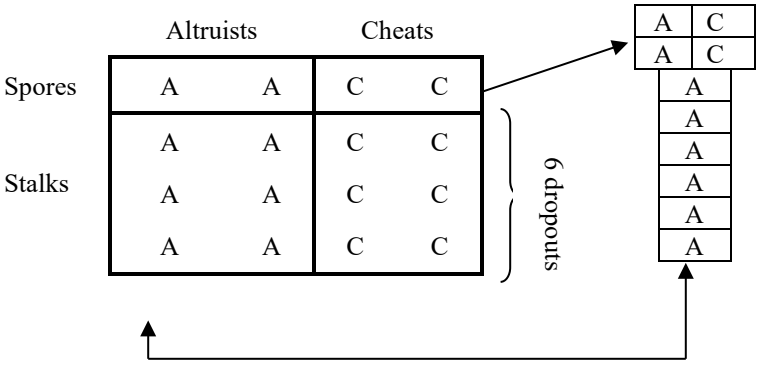
A model of group promoting traits ins slime molds



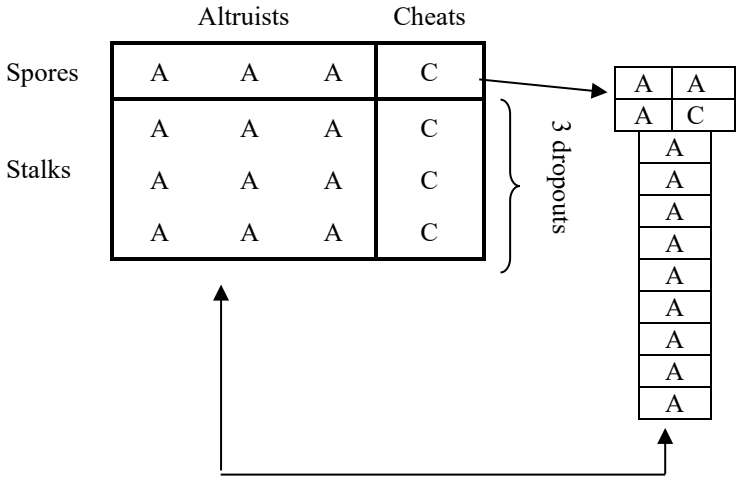
Calculations of Reproduction

Dropouts reproduce at 1 : 3
Individuals in spore cells reproduce at rate determined by # of stalk's altruists

Altruists in f.b.	3 x 1 =	0	3
Cheats in f.b.	3 x 3 =	9	0
dropouts	1/3 x 9 =	3	0
		12C	3A



Altruists in f.b.	6 x 2 =	0	12
Cheats in f.b.	6 x 2 =	12	0
dropouts	1/3 x 6 =	2	0
		14C	12A



Altruists in f.b.	9 x 3 =	0	27
Cheats in f.b.	9 x 1 =	9	0
dropouts	1/3 x 3 =	1	0
		10C	27A

Group Altruists	**12C**	**3A**
Cheats	**14C**	**12A**
Dropouts	**10C**	**27C**
Grand Total	**36C**	**42A**

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