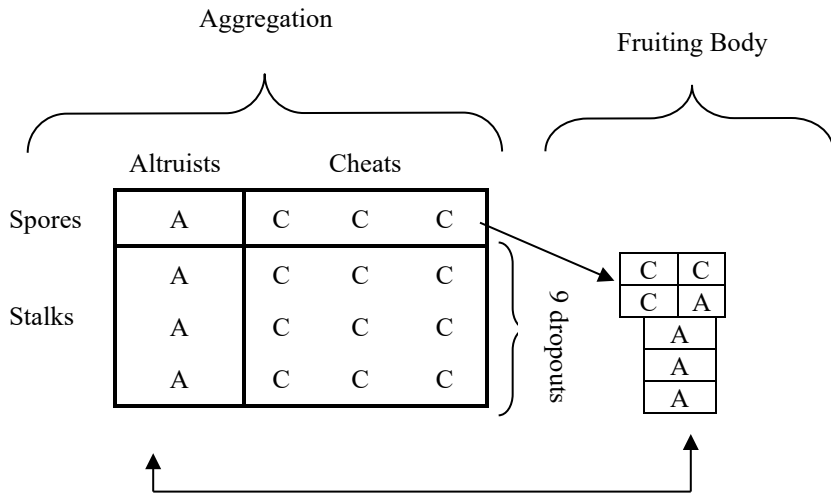


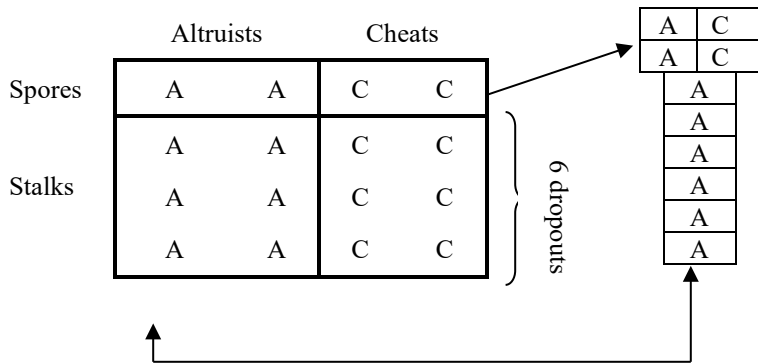
A model of group promoting traits in slime molds



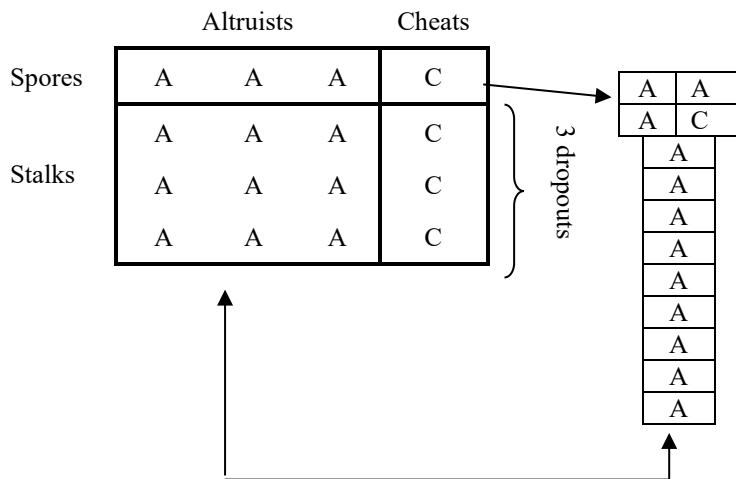
Calculations of Reproduction

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

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



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



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

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