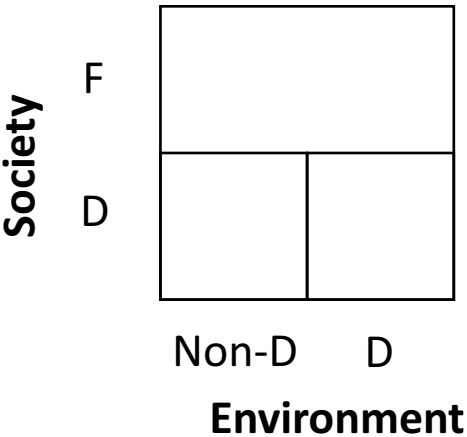
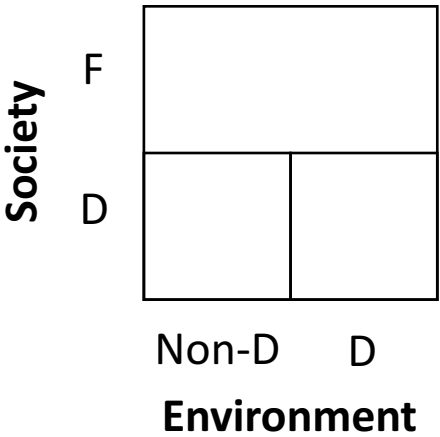


# Parameters space

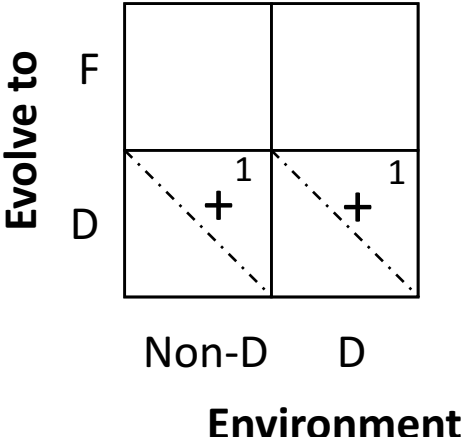
Probability of Speciation



Probability of Extinction



Probability of Arisal

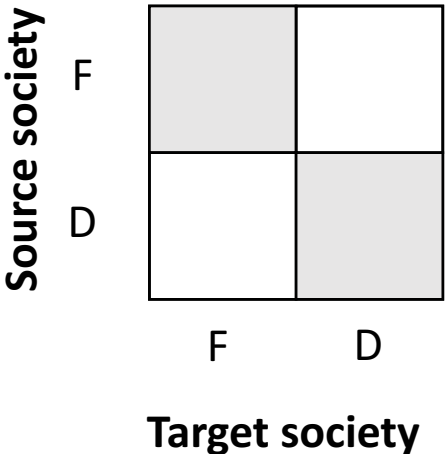


$$++ \{p_i * L_i\}$$

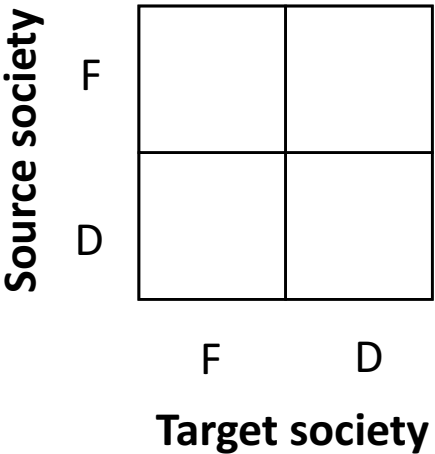
$L_i$  = Location factor

1 = Closer areas to domestication origin

Probability of Diffusion



Probability of Takeover (dep)



Note1: Takeover by Domestication only happens if the target is in a suitable location for domestication. The same happens to diffusion.

Note2: For now we are not interested in maximizing the parameters of **Arisal**. So, it's value is a random number taken from a decay distribution that approximate better with current estimations of number of independent origins. Also, for now the Location factor is set to 1.