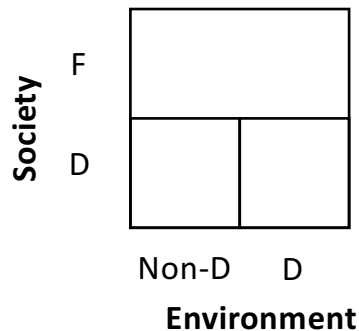
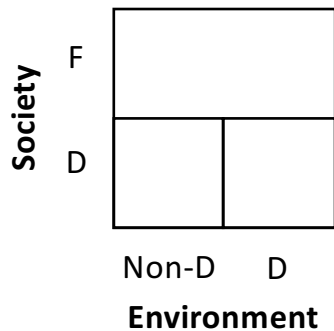


Parameters space

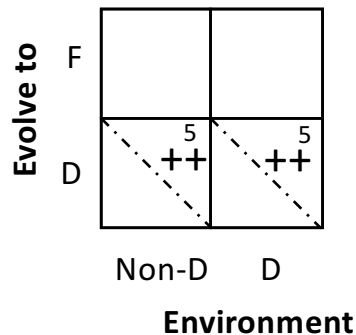
Probability of Speciation



Probability of Extinction



Probability of Arisal

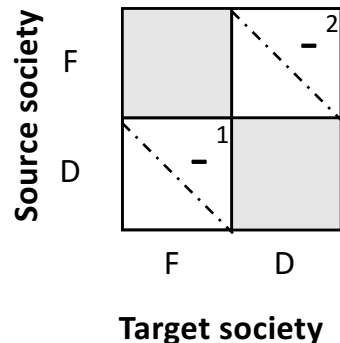


$$++ \{p_i * L_i\}$$

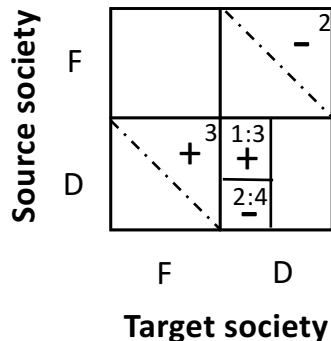
L_i = Location factor

H = transition factor from
Takeover dependent to
Takeover independent of the
trait

Probability of Diffusion

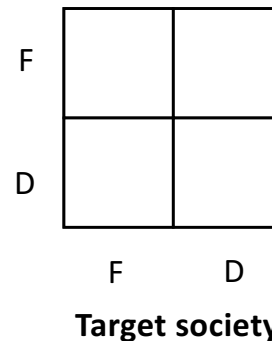


Probability of Takeover (dep)



$\text{rnd} < H$

Probability of Takeover (ind)



$$+ \{p_i * X\}$$

$$- \{p_i / X\}$$

X = environment
factor

- 1: Target is in a Non-D environment
- 2: Target is in a D environment
- 3: Source is in a D environment
- 4: Source is in a Non-D environment
- 5: Closer areas to domestication origin