$$|0/16/17. | X \sim Por(p) := p^{\chi} (1-p)^{1-\chi}.$$

$$|100 \text{ ppl.}|, 53 \text{ femole.}, \text{ pull.} 8, p(6\frac{1}{2}) = \frac{1}{8}.$$

$$|X \sim \text{Myper.} (8,53,100) := p(6\frac{1}{2}) = \frac{1}{8}.$$

$$|X \sim \text{Myper.} (8,53,100) := p(6\frac{1}{2}) = \frac{1}{8}.$$

$$|X \sim \text{Myper.} (8,53,100) := p(6\frac{1}{2}) = \frac{1}{8}.$$

$$|X \sim \text{Myper.} (1,1,2) := \frac{1}{8}.$$

$$|X$$

$$X \sim 2 \text{ Aggres } (1, K, N) = \frac{\binom{K}{K}\binom{N-K}{1-x}}{\binom{N}{1}}$$

$$Supp[X] = \{0, 1\}^{2}.$$

$$p(1) = \frac{\binom{K}{K}\binom{N-K}{1-0}}{\binom{N}{1-0}} = \frac{K}{N}$$

$$p(0) = \frac{\binom{K}{K}\binom{N-K}{1-0}}{\binom{N}{1-0}} = \frac{N-K}{N} = 1-\frac{K}{N}.$$

$$(a). \ X \sim 2 \text{ Aggres } (2,4,10), \ \text{Supp}[X] = \{0,1,2\}, 4\}.$$

$$n > K, n < N-K, \ \text{Supp}[X] = \{0,1,2\}, 4\}.$$

$$(b) \ X \sim 2 \text{ Aggres } (5,4,10), \ \text{Supp}[X] = \{0,1,2\}, 4\}.$$

$$n > K, n < N-K, \ \text{Supp}[X] = \{n-(N-K),..., K\}.$$

$$(c). \ X \sim 2 \text{ Aggres } (8,4,10), \ \text{Supp}[X] = \{2,3,4\}.$$

$$n > K, n > N-K, \ \text{Supp}[X] = \{n-(N-K),..., K\}.$$

$$(d) \ X \sim 2 \text{ Aggres } (5,7,10), \ \text{Supp}[X] = \{2,3,4,5\}.$$

$$n < K, n > N-K, \ \text{Supp}[X] = \{n-(N-K),..., K\}.$$

$$N < N-K, \ n > K.$$

$$N < N-K, \ n > K.$$

$$N < N-K, \ n > K.$$

$$N < N-K, \ n > K$$

$$N > K.$$

$$N < N-K, \ n > K$$

$$N > K$$

$$V = \frac{1}{N} \Rightarrow V = pN.$$

$$V = \frac{1}{N} \Rightarrow V = pN.$$

$$V = \frac{1}{N} \Rightarrow V = pN.$$

$$V = \frac{1}{N} \Rightarrow V = \frac{1}{N}$$

$$= \frac{1}{x!} \frac{1}{(n-x)!} \frac{pN! (0-p)N)! (N-n)!}{(pN-x)!} \frac{pN! (0-p)N - (n-x)!}{((1-p)N - (n-x))!} \frac{1}{N!}$$