A (0,1).

betwe distr. or uniform (0,1) are both good candidates.

 $\frac{\partial}{\partial x} \frac{\partial}{\partial x} \frac{\partial$ p(014) = (n) - y (1-4) - 1 20 e 20,173 p(019) & Dy(1-0)^-y This is the named of a beta(x,B) 2 = y+1 B= n-4y+1 beta prior is conjugate to . binomial data generative mode!.

Want to show: posterist was a veta kernel. (Youre claim: X & 3(1-4),-7 & a-1 (1-4),-1 X Q y+a-1 (1-4) (1-4)-1 => Oly ~ beta (y+ a, n-y+b)

$$1-w = \frac{1}{\alpha + \omega + v} = \frac{1-(1-w)}{\alpha + \omega + v} = \frac{1-(1-w)}{\alpha + \omega + v}$$

$$\frac{(1-w)}{a+b+n} = \frac{a+b}{a+b+n}$$

$$\frac{a+b}{a+b+n} \cdot a+b + \frac{n}{a+b+n}$$