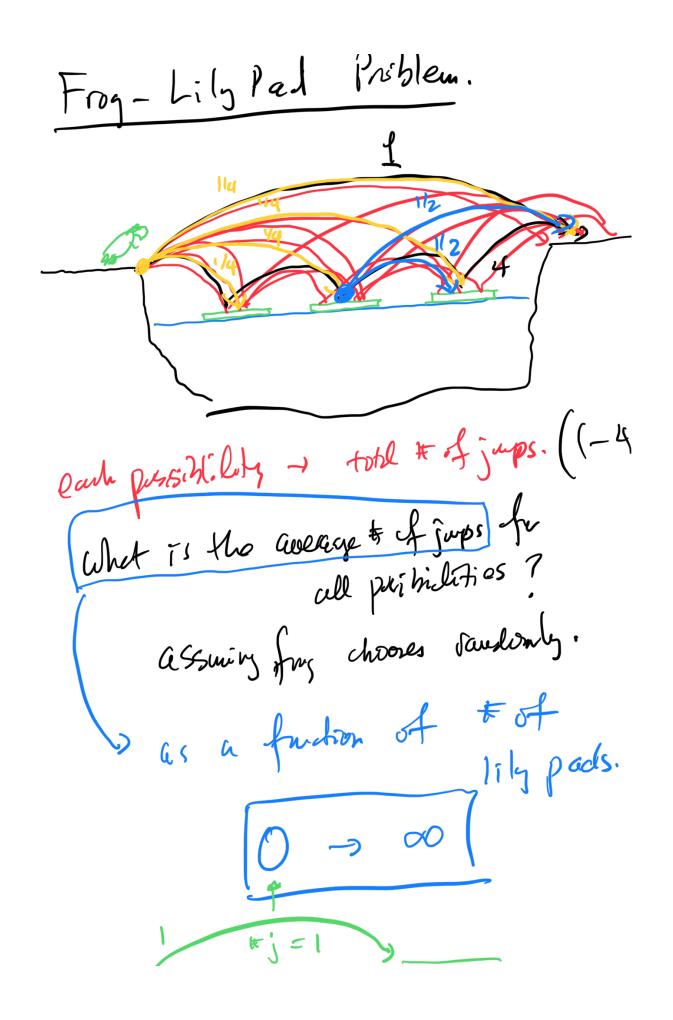
Physics 421 /PCSE 503 Lecture 20

Experimets -> collect data (god dosign) -> enough dota (N)
-> Small uncertainties -) Analysis -> moneiral techniques. (integration, Former, modezati fitting) imulation



$$\frac{1}{3} = \frac{1}{2}(1) + \frac{1}{2}(2)$$

$$= \frac{1}{2}(1) + \frac{1}{2}(2) + \frac{1}{3}(\frac{1}{2})$$

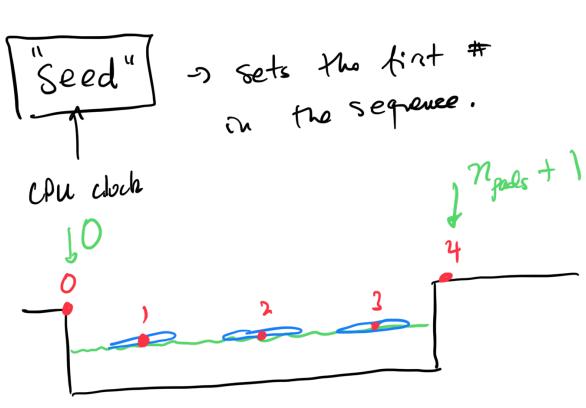
$$= \frac{1}{3}(1) + \frac{1}{3}(2) + \frac{1}{3}(\frac{1}{2})$$

$$+ (\frac{1}{3})(\frac{1}{2})$$

$$= \frac{1}{3}(1) + \frac{1}{3}(2) + \frac{1}{3}(\frac{1}{2})$$

Simulate it! Heart of Smulction 1 -> radom # generation PA V pseulo randon number genevator. does the specience repeat Mossenne - Turtor

Quarter Computing



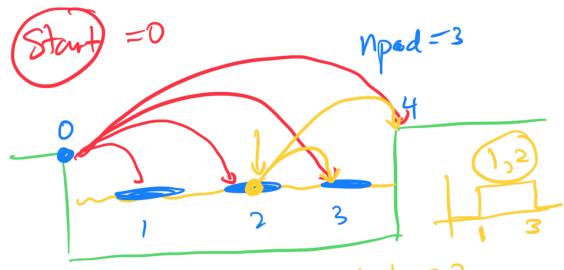
-) where is the frog?

total-jups
200

N pad -> 0 ----- ×

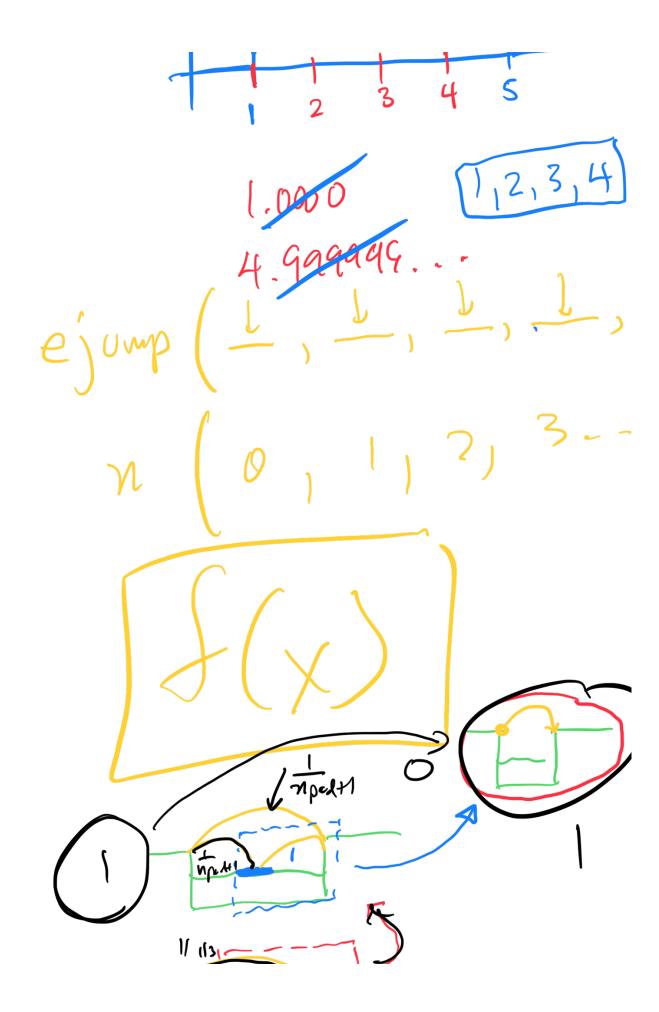
strat = 0

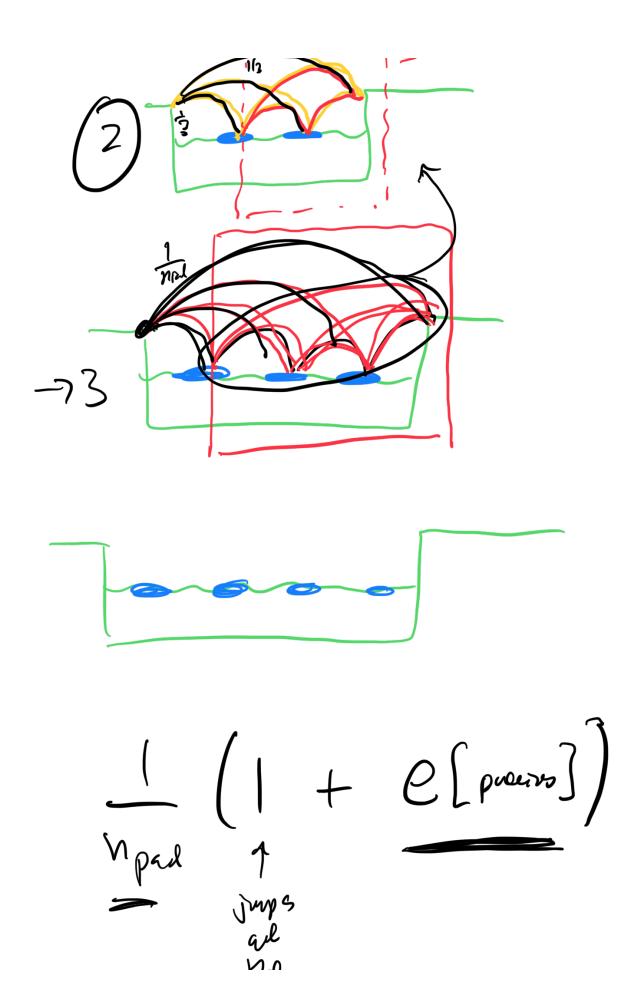
enl = npal + 1 n_1



$$start = 2$$

 $enl = 4$
 $enl-start+1 = 3$





arms arms