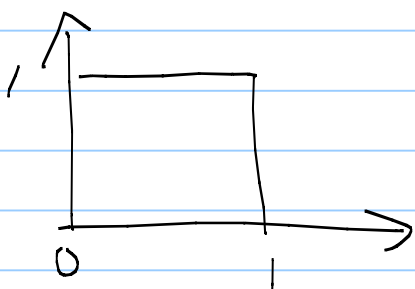


What is the sample space.

A:  $S = \{AA, ABA, BAA, BB, BAB, ABB\}$

Q26  $X, Y$  are chosen randomly in the interval  $(0, 1)$



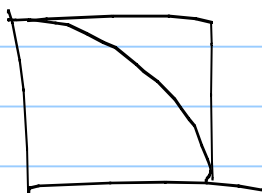
Q: WA?

Ans: Prob the "relative area" of the region

Q:  $P(X^2 + Y^2 \leq 1)$

A very heuristic method of W.A.

Ans:

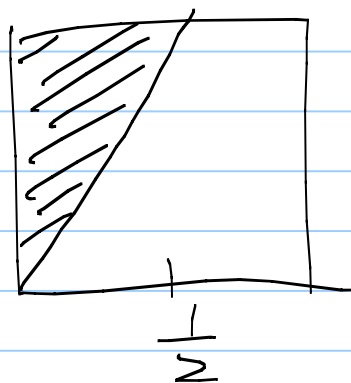


$\Rightarrow$

$$\frac{\frac{\pi \times 1}{4}}{1} = \frac{\pi}{4} \#$$

Q:  $P(Y > 2X)$

Ans:



$\Rightarrow$

$$\frac{\frac{1}{2} \times 1 \times \frac{1}{2}}{1} = \frac{1}{4} \#$$