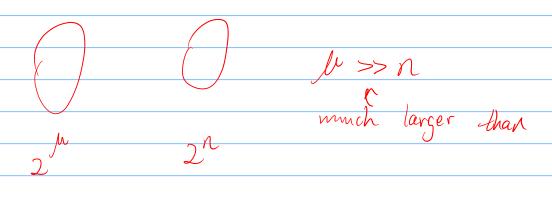
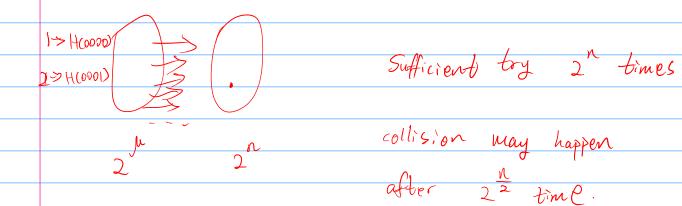


uni -> asks for bits 51 1000 为多文化价 52 1050 > 900 超影别人们校准 53950 到人就能说很能批准。 遊拿到 Key 教会世界 hash function S, H(1000) = y, 1000 = y, 52 H(1050) = 92 S2 H (950) = 43 finding a from HCD is hard! 1702 (ollision : could not happen little this!



Hardness Collision Attack



for c'r=1 to q)
compute H(r)

? For what q, there will be a regulation? $\hat{y} = 1 \quad \hat{y} = 2 \quad \hat{y} = 3 \quad \dots \quad \hat{y} = 9$ $p = 0 \quad p = \frac{1}{N} \quad P = \frac{2}{N}$ No collision

$$P = (1 - \frac{1}{N}) P - (1 - \frac{2}{N}) \dots \Rightarrow 1 - \frac{2 - 1}{N}$$

$$= cl - \frac{1}{N} \times (1 - \frac{2}{N}) \times (1 - \frac{2}{N})$$

$$\frac{9-1}{11} \left(1 - \frac{\dot{z}}{N} \right) = \left(1 - \frac{\dot{z}}{N} \right)$$

