Friday, October 29, 2021 3:57 PM

A affective
$$X, X' \neq \mathcal{U}(1^{3})$$
 $\leq \text{regl}(7)$ $X \neq X' \quad \mathcal{H}(X) = \mathcal{H}(X')$

$$VA = \begin{cases} X, X' \neq A(1), K \end{cases} \leq NOS(3)$$

$$X \neq X' + A(1), K \leq NOS(3)$$

Constrain
$$g(k, m) = \frac{2}{3} k nothern 0$$

eke f(k,m). this is PAG. After NOV sees "Ki" Not in PRF game. Merkle-Dangard. So,13 -> lyest aiven Leil An \$0,13 0 3 des 80,13 -> digest (a χı Clam: If H: 50,13 -> EU,13 is Gol. Res. Corpression Ce (X.-Xe) is collision resistant. ports of message 17607 g By reduction: Assure A breaks G. We construct of that breaks H. U(13, k): X1x2--X2 & A (1, k) $\frac{\chi'_{1}\chi'_{2} \cdot \chi'_{2}}{\chi'_{2} + \chi'_{1}} \qquad \vec{\chi} \neq \vec{\chi}' \text{ by } \mathcal{C}(\vec{\chi}) = \mathcal{C}_{k}(\vec{\chi}')$ God! Find sine XXX! $xy_{x}'y' H(x) - H(x')$ How: Try X = Gk(X1...Xe-1) | Xe.