

- Our protocol is parametrized by two “hardness” parameters  $p = p(\kappa), p_f = p_f(\kappa)$ , and a recency parameter  $R$ . ( $p$  is the mining hardness parameter for  $\Pi_{Naka}^p$  and  $p_f$  is the “fruit mining” hardness parameter, as mentionned above, the recency parameter will specify how far back a fruit is allowed to “hang”); the quantity  $q = q(\kappa) = \frac{p_f(\kappa)}{p(\kappa)}$  will be useful in our analysis.