Ring Signature [RST01] @ Asiacrypt'01.

- Key Gran (1^n , n); Each member executes RSA. Key Gran (1^n).

output $P_i = (n_i.e_x)$ and $S_i = (p_i.g_i, d_x)$.

- Sign $(m, 3P_43, S_8)$; compute k = H(m).

choose $0 < \frac{4}{5}$ jo. 126. and $y_i < \frac{4}{5}$ jo. 126 for $1 \le \tilde{n} \le r$, $\tilde{z} \ne s$.

compute $y_i := g(x_i) = x_i^{e_i} \mod n_i$.

solve the equation Cr.v (y..., ys..., yr) = v for ys.

compute $x_e := g_e^{-1}(y_e) = y_e^{-d^2} \mod u_e$.

autput $\sigma := (v, x_1, x_2, \dots, x_r)$.

- Verify $(m, \sigma, 3p_{\bar{a}}^2)$; compute $y_{\bar{a}} := g_{\bar{a}}(x_{\bar{a}})$ for all \bar{a} .

k := H(m)

compute o' = Cko (y..... yr).

If $\sigma' = \nu$, then output I.

otherwise, output o.