

Subtleties in implementing OAEP

[M '00]

OAEP-decrypt(ct):

error = 0;

.....

if ($\text{RSA}^{-1}(\text{ct}) > 2^{n-1}$)

{ error = 1; goto exit; }

.....

if ($\text{pad}(\text{OAEP}^{-1}(\text{RSA}^{-1}(\text{ct}))) \neq \text{"01000"}$)

{ error = 1; goto exit; }