Chosen ciphertext security: definition

Def: E is CCA secure (a.k.a IND-CCA) if for all efficient A:

$Adv_{CCA}[A,E] = |Pr[EXP(0)=1] - Pr[EXP(1)=1]|$ is negligible.

Example: Suppose (to: alice, body) → (to: david, body)