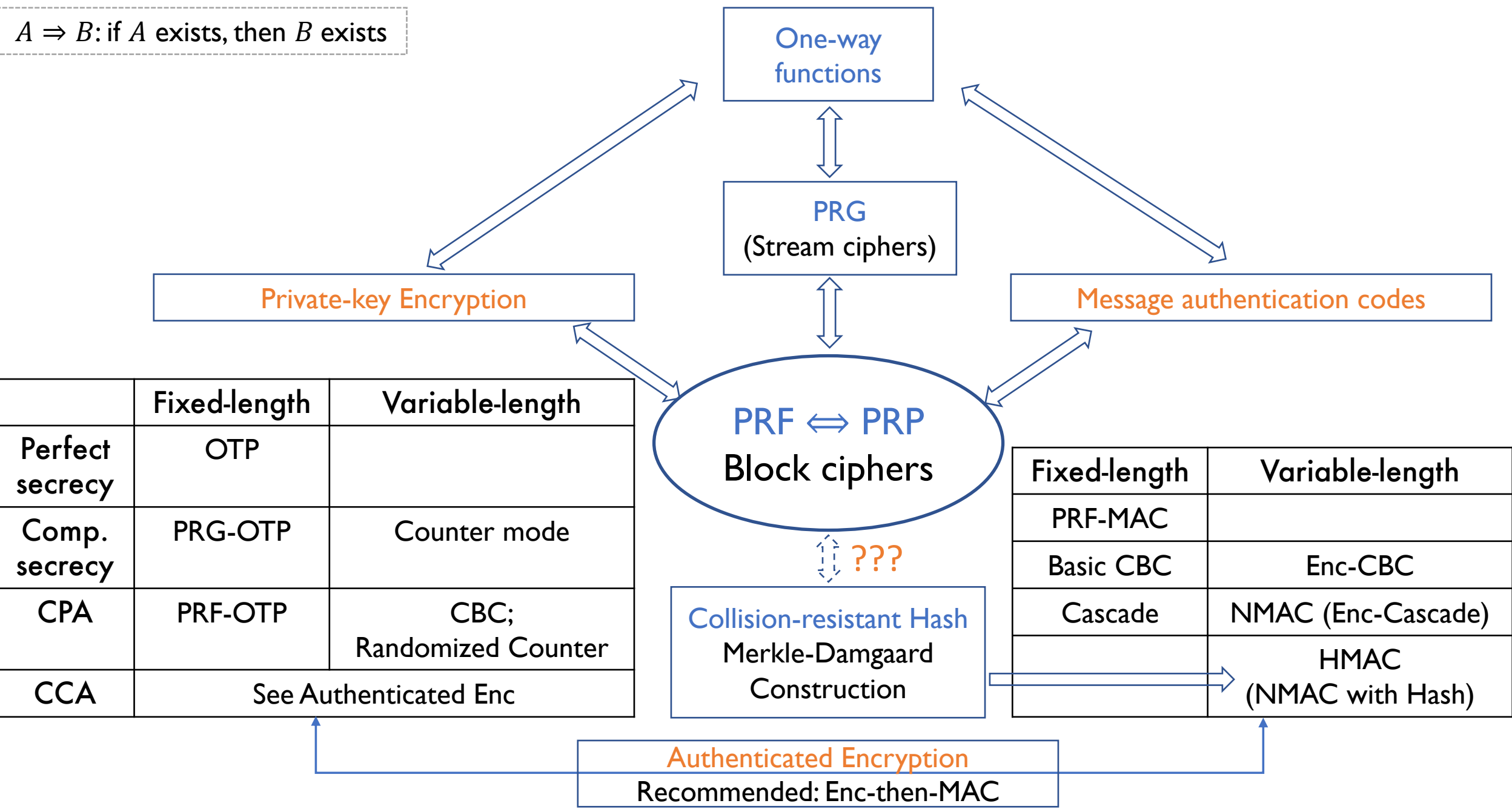


$A \Rightarrow B$: if A exists, then B exists



	Fixed-length	Variable-length
Perfect secrecy	OTP	
Comp. secrecy	PRG-OTP	Counter mode
CPA	PRF-OTP	CBC; Randomized Counter
CCA	See Authenticated Enc	

Fixed-length	Variable-length
PRF-MAC	
Basic CBC	Enc-CBC
Cascade	NMAC (Enc-Cascade)
	HMAC (NMAC with Hash)

Collision-resistant Hash
Merkle-Damgaard
Construction

Authenticated Encryption
Recommended: Enc-then-MAC