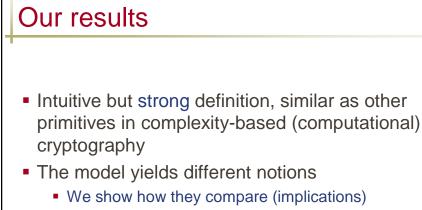
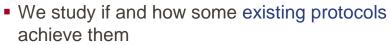


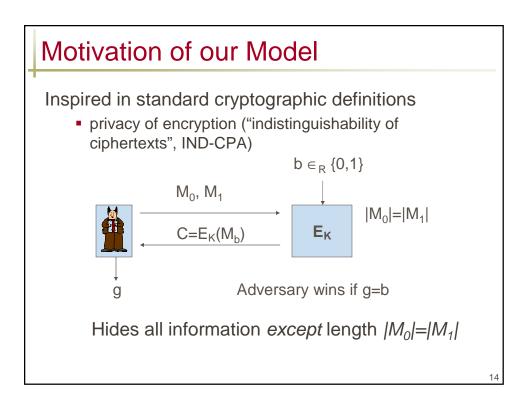
## More Previous Work

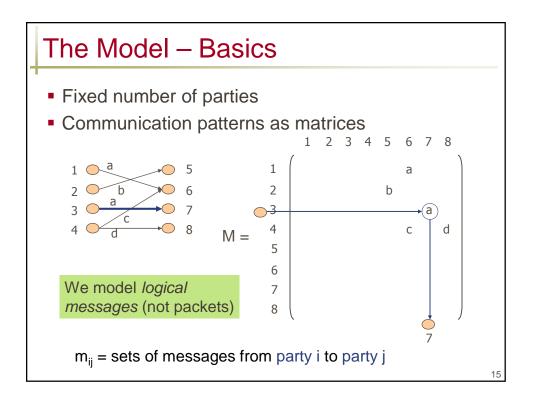
- Other definitions in the crypto literature (computational setting)
  - Some subtle definitional flaws [Beimel and Dolev 03, von Ahn et al. 03, Golle and Juels 04]
  - Tailored to specific constructions (eg. Mixnets [Furukawa 04,Nguyen et al. 04, Wikström 04])
- Want strong definition in the *computational setting* 
  - More appealing to complexity-based cryptographers
  - And capturing "unavoidably leaked" information

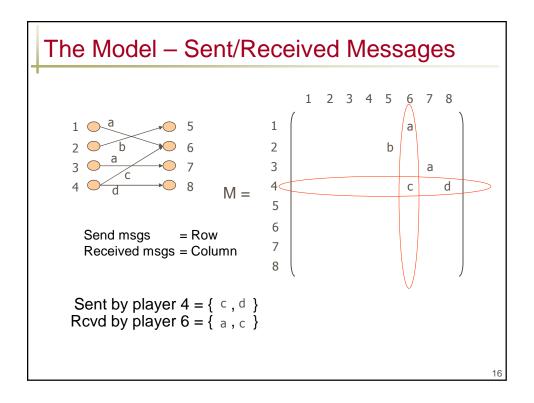
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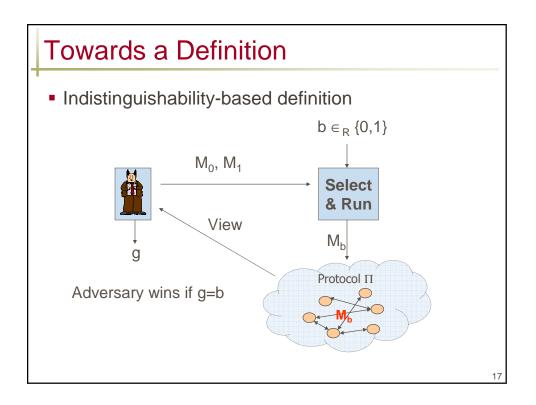


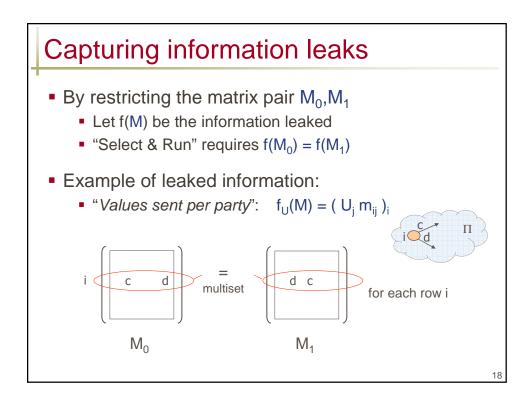


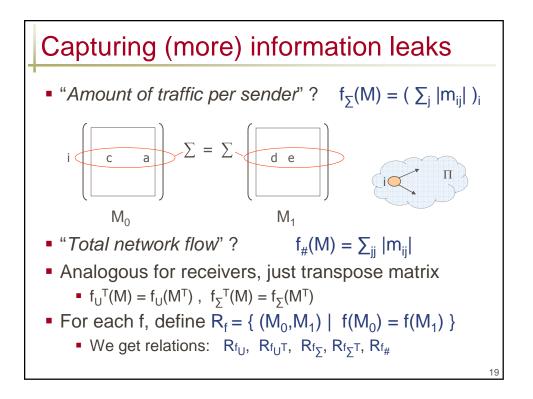


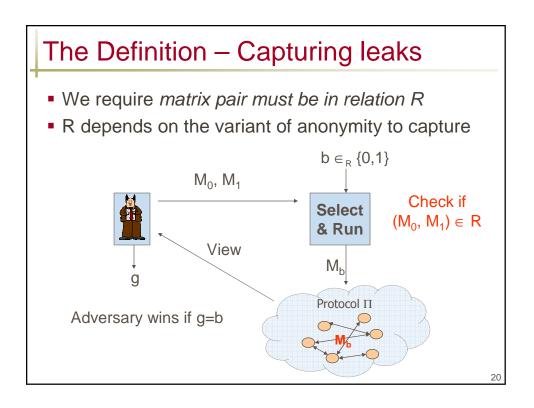












Sender Unlinkability (SUL)	$R_{f_{\Sigma}} \cap R_{f_{U}}$
Receiver Unlinkability (RUL)	$R_{f_{U}} \cap R_{f_{\Sigma}^{T}}$
Sender-Receiver Unlinkability (Ul	) $R_{f_{\Sigma}} \cap R_{f_{\Sigma}^{T}}$
Sender Anonymity (SA)	R <sub>fU</sub> T
Strong Sender Anonymity (SA*)	R <sub>f∑</sub> T
Receiver Anonymity (RA)	R <sub>fU</sub>
Strong Receiver Anonymity (RA*	) R <sub>fΣ</sub>
Sender-Receiver Anonymity (SRA	A) Rf <sub>#</sub>
Unobservability (UO)	Any

