Improvements to Garbled Circuits
Tuesday, October 10, 2017 12:15 PM (See Si, Acs)
- Permute and Point
What down need to prove?
- Correctness:

- Simple Lability

Simp \approx View $\text{E}[A(a) \leftrightarrow B(b)]$ View $\text{E} = \{b, o^{\text{E}}, \{e^{\text{Si}}_{s_{\text{E},1},3}\}, \{K^{a}\}, \{K^{b}\}, \{c^{o}_{s_{\text{E},1}}\}, \gamma_{o_{\text{E},8}}\}$

(coloru, = {0,1} Kwi & {0,1} + Coloru;

Malicious Security

Malicibus Gorrect ness

Cut-and-choose

[Alice generale 2 instances of gardled circliss

{ e;, m 3 m & [1...], { keisn3 m, { cb, 3 m}

C= Commit scheme Min: { Kb, 3 -> {0,1}

₹e3, C

2. Alice _____ OT ks: Run OT For every garded, chait,

3. Bob chooses 3 circuits to open, OC[1...2]

4. Alice sends all the wirelabels {Kinis, m} m 60 Opens Cm for mEO

5. Bob decas maging for his halts.

6. Alice sends imposs for 78

7. Evaluate all remaining 76 Check that all abouts are consistent.