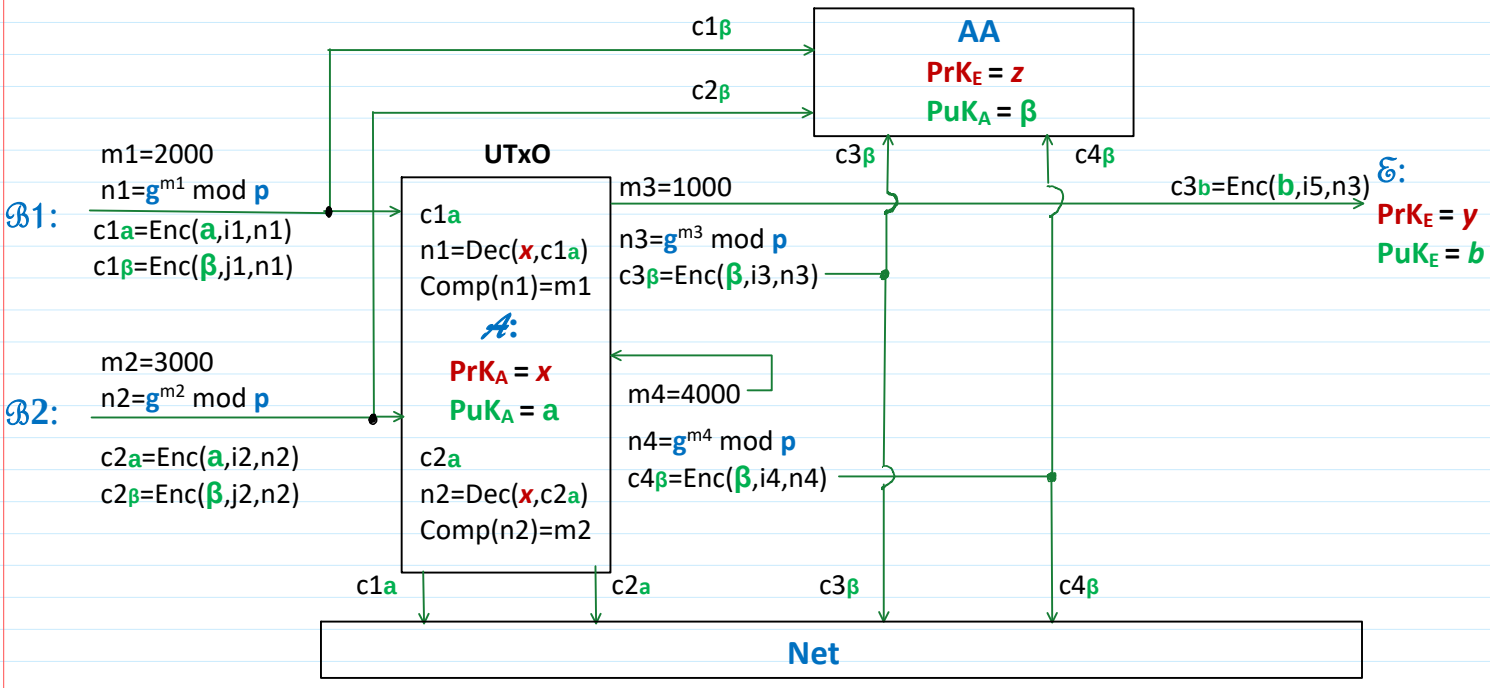
https://docs.google.com/spreadsheets/d/1b_oAjNuO2_eTl2KwPiDsgEdZa-hBfene/edit?usp=sharing&ouid=111502255533491874828&rtpof=true&sd=true



a beta t1 t2 t3

```
>> hsymb='174059961||213338364||160710747||131605032||8217992'
hsymb = 174059961||213338364||160710747||131605032||8217992
>> h=hd28(hsymb)
```

Alice											
		Recover	Recover			c3beta				c4beta	
Dec(x,c1a)	Dec(x,c2a)	m1	m2	m3	n3	E3beta	D3beta	m4	n4	E4beta	D4beta

```
% Finds discrete logarithm value corresponding to exponent value i
% by total scan of i from start by step until fin
% p - is a strong prime (Public Parameter)
% g - is a generator (Public Parameter)
% def - is a discrete exponent function value computed by mod_exp(g,i,p)
%       where dl=i is a searchable value of exponent
%
function dl = dlog(p, g, def, start, step, fin)
 dl=0;
 i=start;
 while i<fin
    ee=mod_exp(g,i,p);
    if ee==def
      dl=i;
      return;
    endif
    i+=step;
 endwhile
 disp('Exponent is not found!');
end
```

Public Parameters		p = 268435019	g=2
PrK A =x=		int64(125116071)	
PuKA=a=		mod_exp(g,x,p)	
PrK AA =z=		int64(162127282)	
PuKAA=beta=		mod_exp(g,z,p)	