	RAMITE - NUTWORK  = RAMA @ RAMO NUMBERY
Review_:	
· Oblivious Transfer (OT) using PKC	private (secure)
From OT to ANY two-party for.	network memory
(private avaluation)	RAMA RAM.
,	In 4F2, En:
Οτ:	RAM . r. r. RAMB= x@x, y @nz,
	RAMER = 2 y
i AC J	
ACIT No knowledge of	Reduced TOP of the second
Not ACIJO , 141	Reduced Ist Secure compression:
	Only xor in AND operation supposed
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Let Z = 20 y will we want in RAM +++ Z = a Ob = 20 y
$f(x,y) = n_A + n_B$	* n,⊕ (n@n,) ⊕ r,⊕(y@n,)
R Private (beally)	
y pavale	in RAMA: Tr.   n2 RAMB: MON, MON
2^	a = m @ L = (m M ) @ (y @ m)
$n_k \leftarrow f_{0,1}$	
I In all possible 18	In RAMTTP: APL: 2, 0 m, 0 xon, Dyon
f(n,1) -n,	= *⊕y = Z
J CW1. 7 - WV	XOR with AND is universal
Using y, B chooses no	
Emponential length array, not practical.	2=a06 = 2 1y
	= (91, (2 (2 (2 (2 ))) \ (n2 (y ()))
What of length is long?	= (a, Arz) (xoz) (xoz)
or + ar = (6, xv)	@ 9, 1(yor) @ (201,) 12
® "	
λ γ	Secure AND:
	a Db = a ny - Cn, DGO 2, D n [20 (yo x
Generalization:	b = a ⊕ C n ⊕ i] ^ [n, ⊕ i]

1) A chaose a < {0,1} I perfect solutions in active adv. model if n>3t (3) A creates array A [3,1,2,3] as lengect (n 73+) ZKP Unconditional α⊕ (λ, λλ2), α⊕ (λ, λπ2), αΘ(π, λλ2), Computational (PKI) Computational
(without PKI) a 0 (x, 12) Blockchains (computational, open system) 3 B additionaly transfers the value A [ 2(x0 m) + y0 m] = b Other impossibilities (quantum, noisy channel, space constraints ... ) Z=2/y, Pullioh 20 a & y 0 b 2 1y = (20a) ( (y 0 b) (20a) Nb @ (yell)ac ( and ZA ( (200 a) N (yob) ( (200 a) AbA @ (yob) nan D CA Zoc (no a) Abo (yob) Nao @Ce z= Z4 + ZB Summary: Goal : Brild a seare (virtual) server on top of 2 real (inserve) servers Procedure: XDR = Local XTRS Amo: OT (1 out of 4) Secure Momony = Mem , @ Mem & No perfect soln. enists for secure prop is n < 2t source of source