*********	******
Communication:	LOTAN TRANSPORT
- small may primary a few o	The waster which are not
Sender	Receiver
send (s/w)	receive (s/w).
	1 La 10 20 100109 .
> h/w	month pinnel in memory
Active Messages:	
theory: Log P.	Design Street water water
1-) latency	RTT = 40 + 2L.
0 - overhead from s/w	erione Menax
g -> max mag rate (h)	w capability)
P -> processors	
How to lower overhead:	and think
hemove as from data po	oth > wer level networking.
Adv	Disady
performance.	virtualization
La mainly due to	protection (someone else
trap, mem mamt	Mecerving ur 11139
(copy)	(mux/demyx).
)-net: 1) low overhead.	why wer-level?
a) protection.	-> performance
3) unaeliable.	
4) not neg/nespon	ser> don't have to be
1	general.
	7000

Architecture of U-Net.	<b>©</b>
=> Endpoint	
-> Communication &	egment has msg data.
-> Queues (used by	client and NI).
i) Send: put the	msg in comm segment; put
	otor in send queue.
2) Recv	
3) Free: used by	y NI to grab a free
communi	cation segment.
Adv.	0
> Protection.	the top other pact statement .
> Tag: to identify the	endpoint.
-) rag	
-> use os to tag	ication no OS.
-> during commun	
- On Receive end U-Net	estorms active.
- Jean : tool f.	which process necus msg
7,54	
Base D-Net:	
-> limited size comm see	ment pinned in memory
0 2 1100	L) no swapping.
+ tome 7em copy:	1 COPY .
- not true zero copy:	The state of the s
-> Small mag optimization	: put msg in queue; not
- Simon of the state of the sta	nvolving comm segment.
	V

	33333333333
Kernel emulation:	3
→ one 08 managed of endpoint.	end point; Os virtualizes
> prob: again involves	08 and traps.
Later solution -> VM into	egnation with endpoints.
Hardware: -100	-200.  programmable NI.  host has mem, NI has  mem => Which mem to put  queue in?
	-> send queue in NI
	- face queue in NI
	- necr queue in host.
lote the stair steppy gra	ph in figure 3:
	8 bytes (steady for that).