$$
5 \delta(k) x \text { - sink }
$$

RDT 2.1


NAK G'NN ENSEN ACK : E'MAN
. תílos rifian 'je Sap'l Ack ᄀisn'

RDT 2.2

- ACk ar sN andie

NAK ppND SloJ ACK (1-SDN
- "pe paller indaprine ijlonkit tramit de sN-n ne doñ"
. TR'K aíand SN (2
.Talerd D'j'ANNI Disaen RDT it do *


ACKA Se SN－D
D）hinke a fionin 6 drami eares andipm nfant （Sbつ）D）lonkot
rotransmition ielr －Ack－$\delta$
－Senti anka dond sungol nidke e＇

$$
\text { RDT } 3.0
$$



－ndien timer fiou
Round trip time $=$ RTT D＇a0

$$
R T T=\frac{P}{R}+\frac{A C K}{R}+\frac{2 D}{T}
$$

－mive Nes ग＇azof aloook ne e＇

$$
\text { timeout }=R T T+\varepsilon
$$

n＇sera aens
－っiv ridon（oj）
－DDInN Kא 3夭＇，RTT 1 K ऊINE＇סO






－UDP frn ase oply＇s de alkoze＇．TCP－1 UDP dry ping slerd pú
－Icmp fon is Cojacois



- UDP f(AN I'A J'ere pjnst inlén do



 - oxe w lletar Ack - D ionk F'n
- D ACk-n pa niviap rinent is nill


Danim fapan sane raí ridene ar ant jns tNO

- connection de midol TNpI ée palno

$$
R T T=\frac{P}{R}+\frac{A C K}{R}+\frac{2 D}{T}
$$

$$
\underset{\substack{\sin \operatorname{Sn} N}}{\sin }-\frac{\omega}{=} \quad R T T
$$

UN"D AT NON $\frac{W}{R}<$ RTT

fin bak jacd

- Ack Jda'p skl
- NSis do ongen, j/fo sirnenjik $\frac{w}{R} \geqslant R T T$

$$
F=122000 B
$$

$M T U=1.5 \mathrm{~KB}=1.5 \times 10^{3}$

$$
A C K=Y O B
$$


$w=8$ Packets

$$
R=10^{6} \mathrm{BPS}
$$

$$
d_{p r o p}=1 \text { see }
$$

$$
\text { 1ORTT }=80 J \sqrt{1} N R
$$

- iffrin ina jNs Ds A (k |'N ODOI

$$
\begin{aligned}
& F=5 \mathrm{kB} \\
& P=1 \mathrm{~KB} \\
& \text { fale } \omega=3 \text { Packets }
\end{aligned}
$$

