Exercise peering definitions
The

## Peering Simulation Game

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Apply the definitions

- Strategy Game
- Use the terminology correctly
- Negotiate Peering
- Successful in dozens of fora
- Engaging
- Fun!

Transit Provider $X$ The Peering Game


Transit Provider Y

## 3 Rules

1. Goal: Maximize bank holdings. Make money by acquiring customers and reduce transit costs by peering
2. Play: Roll the dice and expand your network by selecting that many adjacent "squares" of customers
Gain transit revenue of $\$ 2000$ for each customer square you own
Pay transit fees of $\$ 1000$ for each square of traffic that other ISPs own
3. If at Exchange Point, two ISPs can negotiate peering:

- \$2000 recurring cost and loss of 2 turns, ISPs negotiates who covers the costs of peering


## Transit Provider X



Transit Provider Y

## Transit Provider X



Transit Provider Y

## Transit Provider X



Transit Provider Y

## Transit Provider X



Transit Provider Y

- ISP A: \$9,000
- ISP B: \$0
- ISPC: \$3,000
- ISPD: -\$13,000


## Transit Provider X

| A | A | A | A | A |  |  |  |  | B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A |  |  |  |  |  |  |  |  | B |
| A |  |  |  |  |  |  |  |  | B |
| A |  |  |  |  |  |  |  |  | B |
| XA |  |  |  |  |  |  |  |  | X |
|  |  |  |  |  |  |  |  |  |  |
| YC |  |  |  |  |  |  |  |  | Y |
| C |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |  | D |
| C | C | C | C |  |  |  |  |  | D |

Transit Provider Y

## Transit Provider X

A Position 9 Revenue squares 1 lost turn Peering w/C reduced cost $\$ 8000 /$ turn


Transit Provider Y

## Let's play!

## WELCOME TO BILLAND

4 ISPs that have never played before
Open Board
\$35,000 VC Funding
\$25,000 VC Funding - HARD Economic Times
We want to hear your thought process and peering negotiations
Winner - prize

## Play Game



