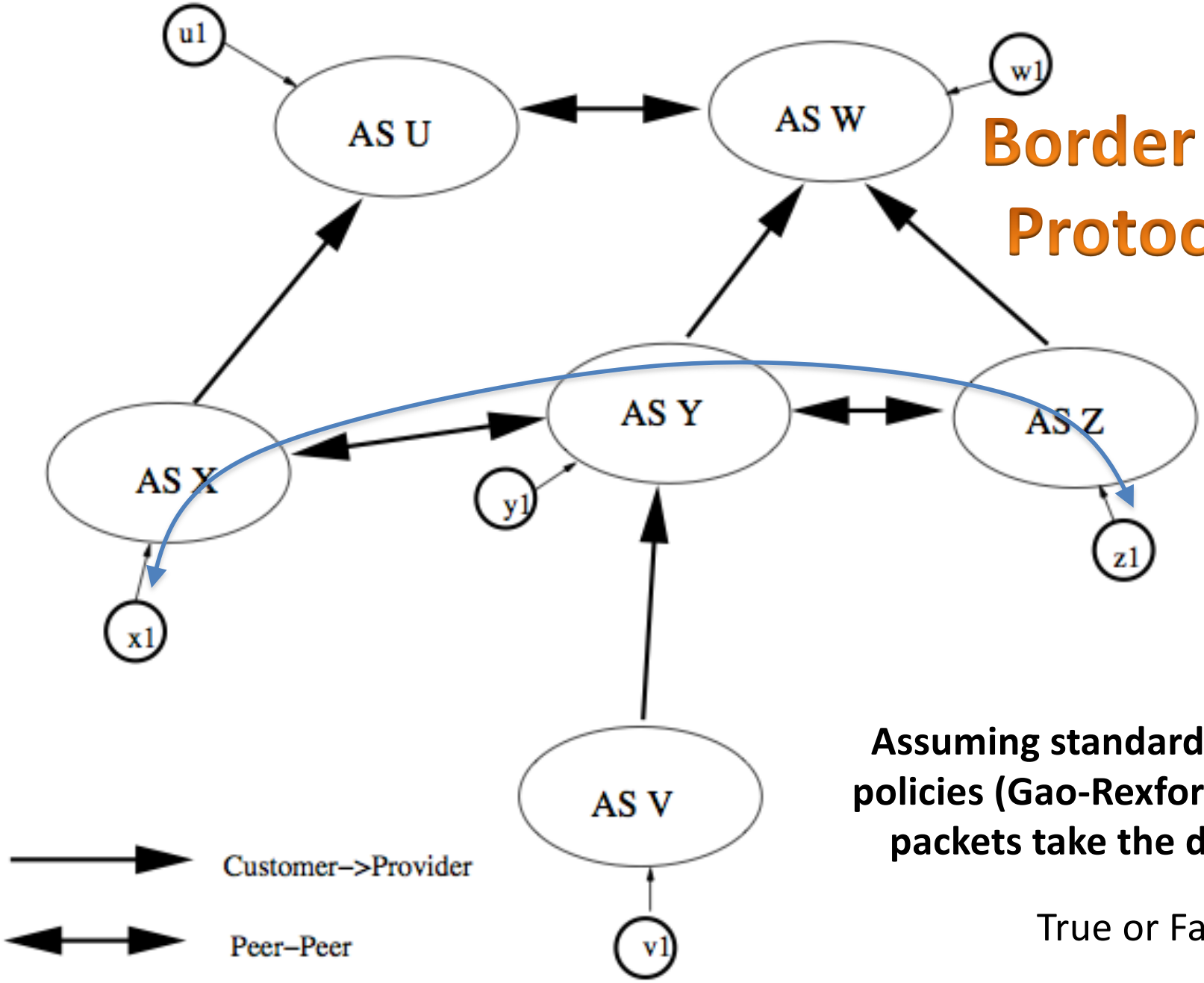
Quiz BGP

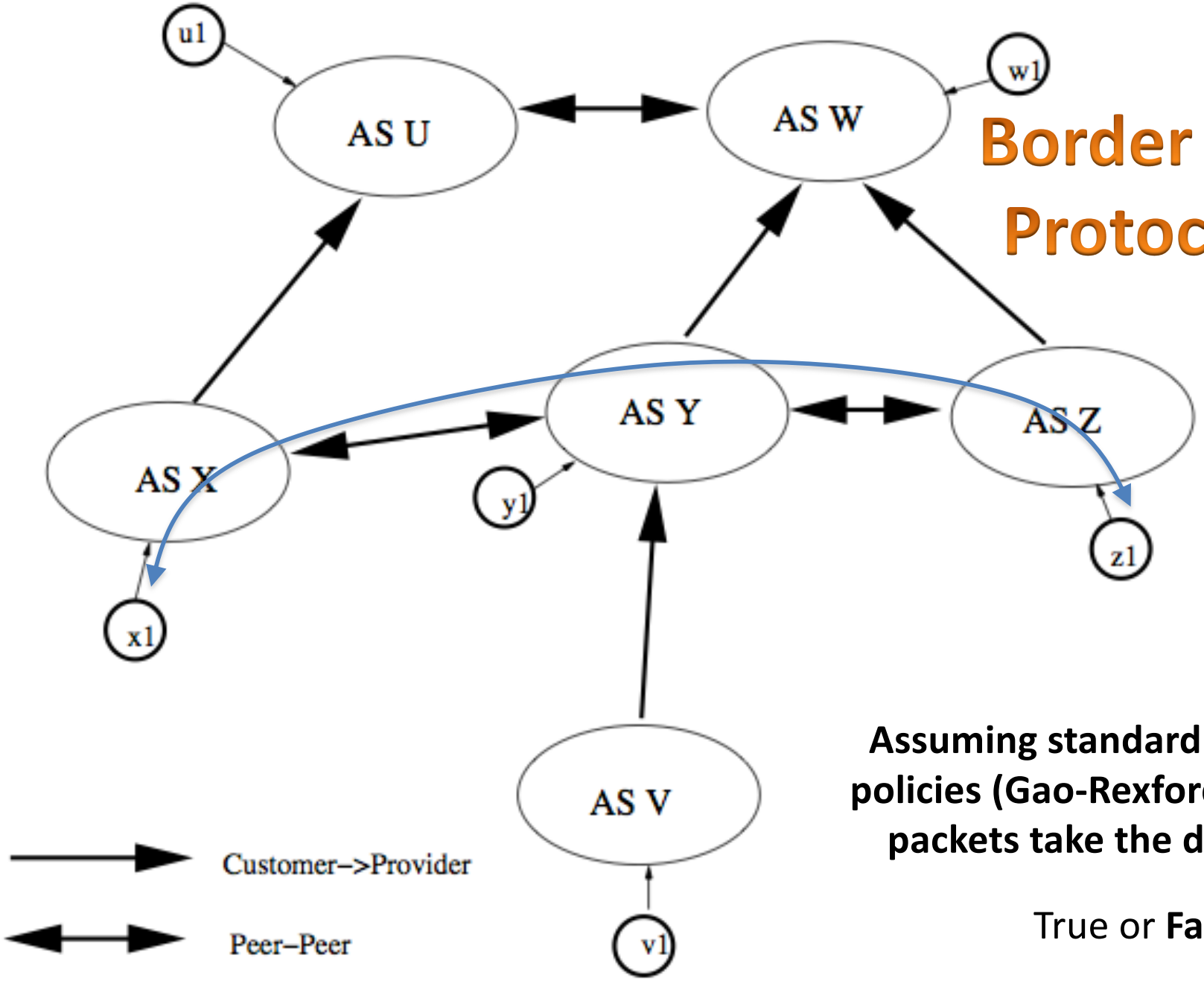
Border Gateway Protocol (BGP)



Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

True or False

Border Gateway Protocol (BGP)

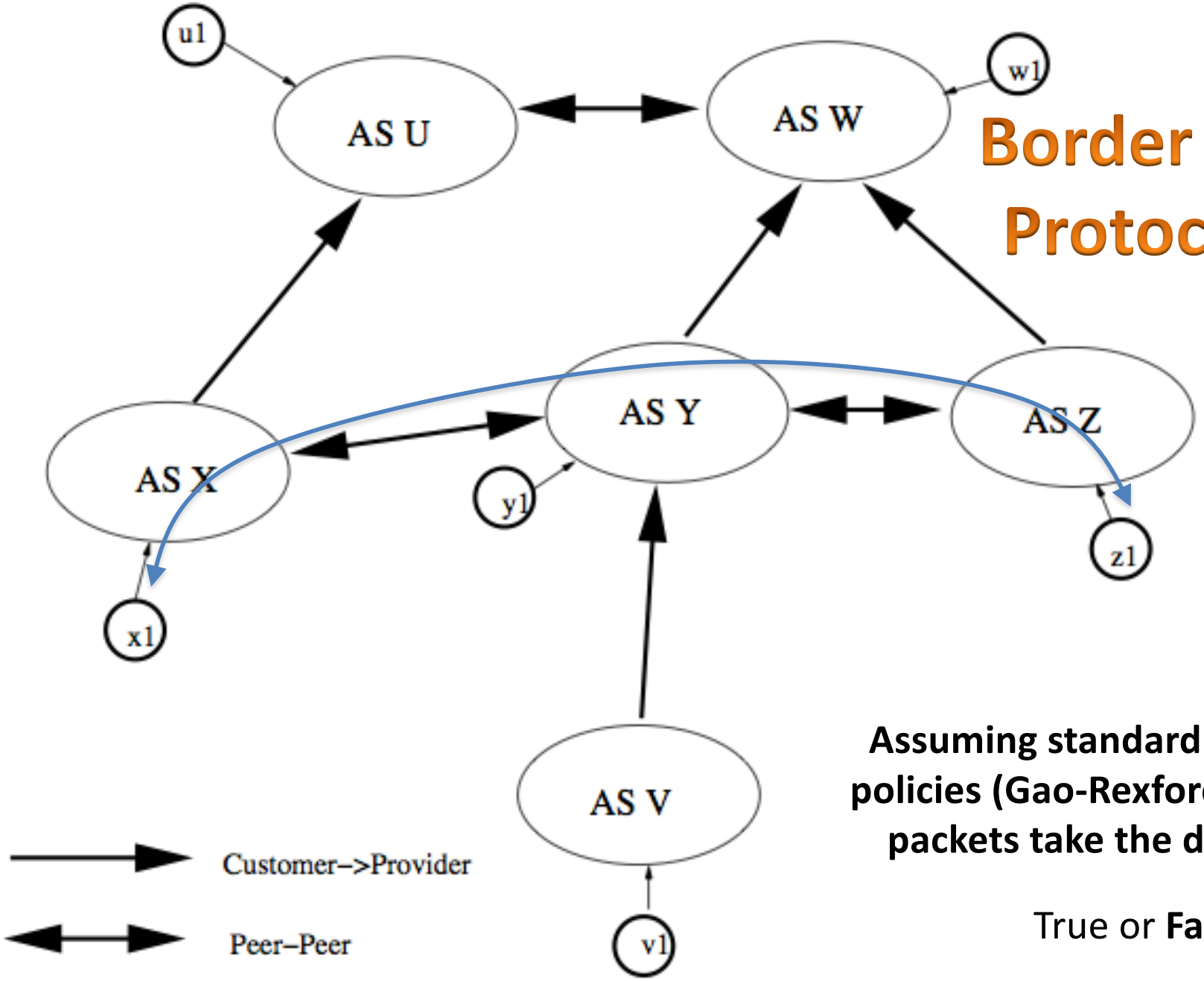


Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

True or **False**

Why?

Border Gateway Protocol (BGP)



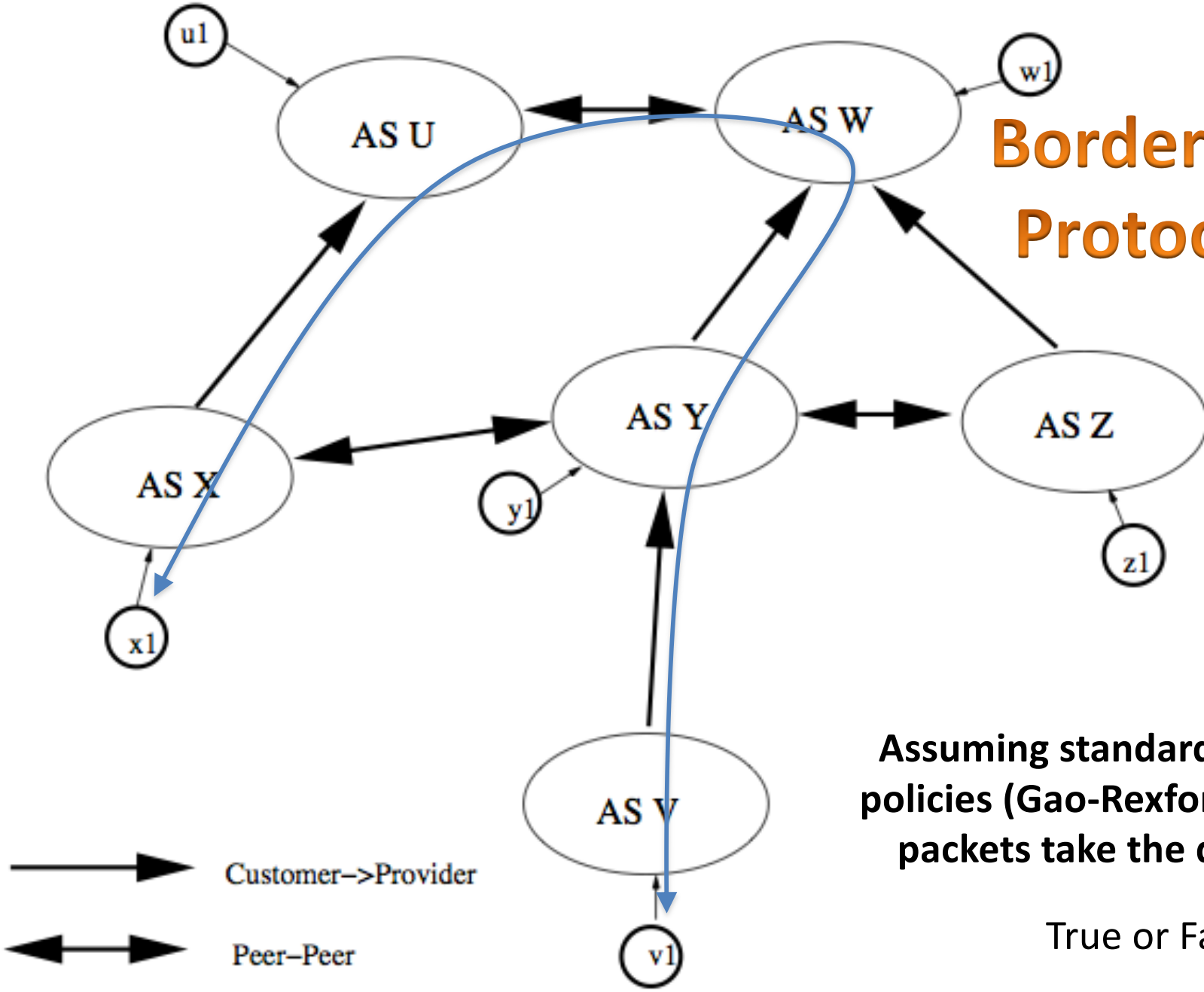
Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

True or **False**

Why?

Don't export routes learned from a peer or provider to another peer or provider

Border Gateway Protocol (BGP)



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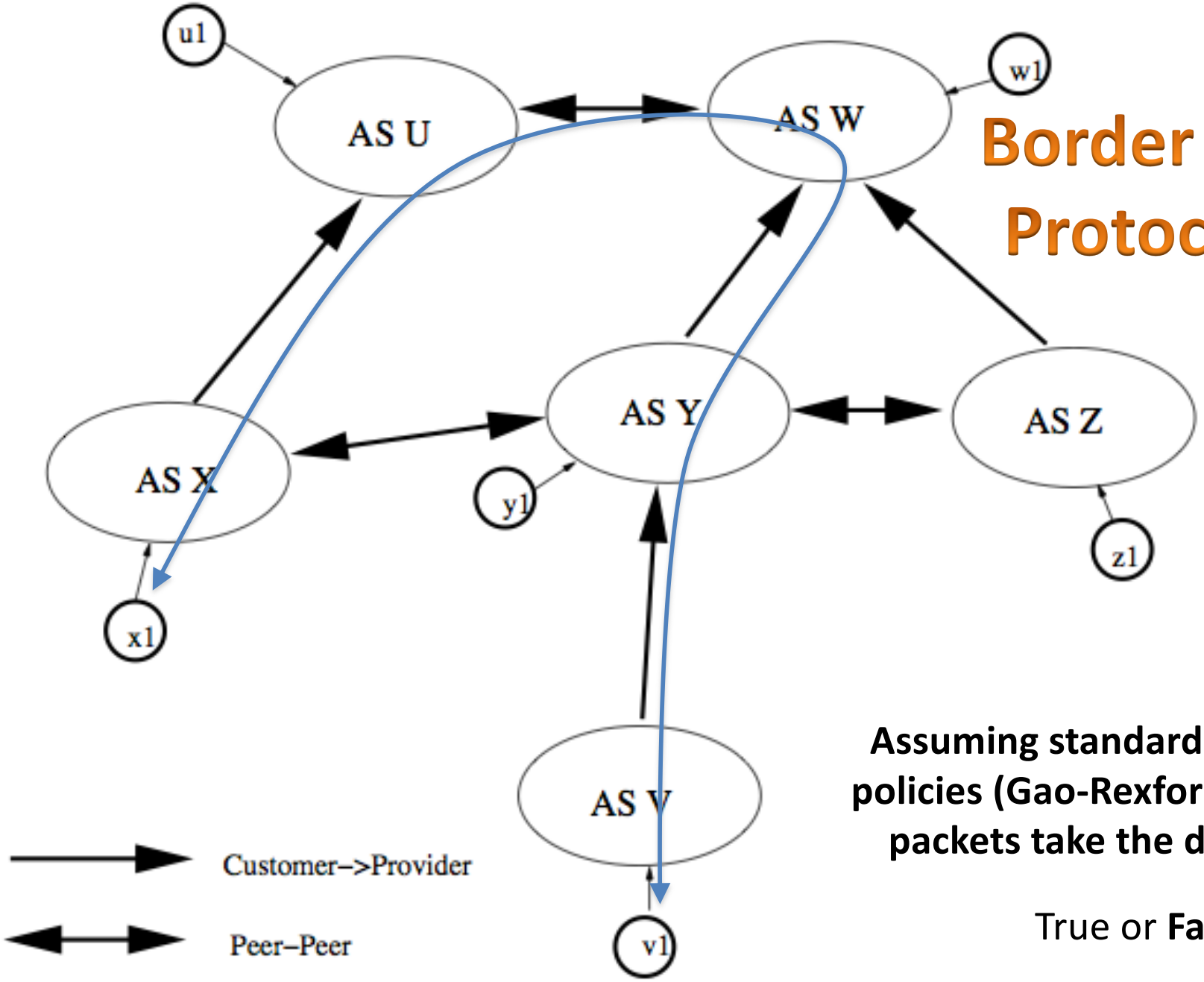

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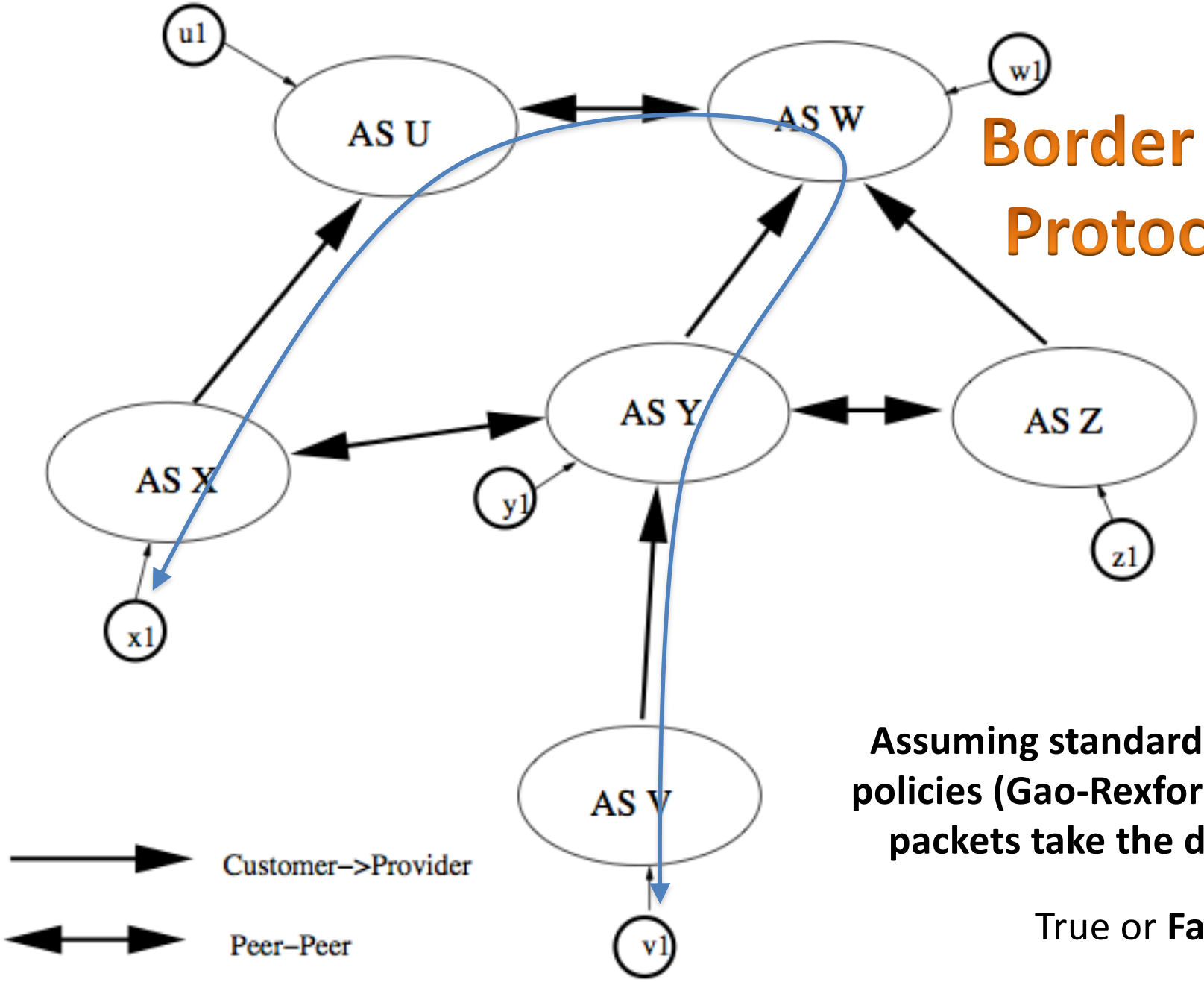


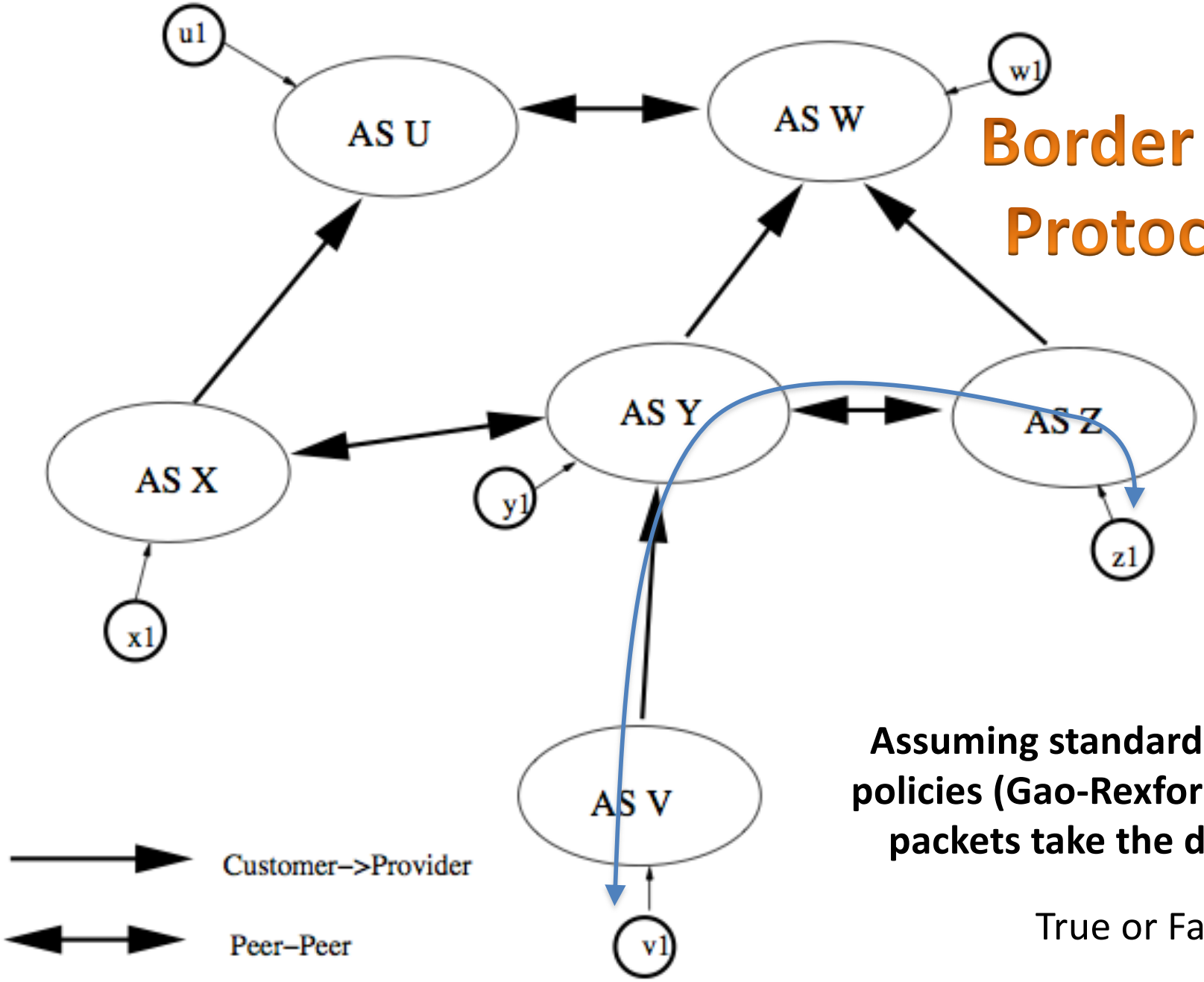
Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

True or **False**

Why?

AS X would have to pay AS U whereas it could go through AS Y for free

Border Gateway Protocol (BGP)



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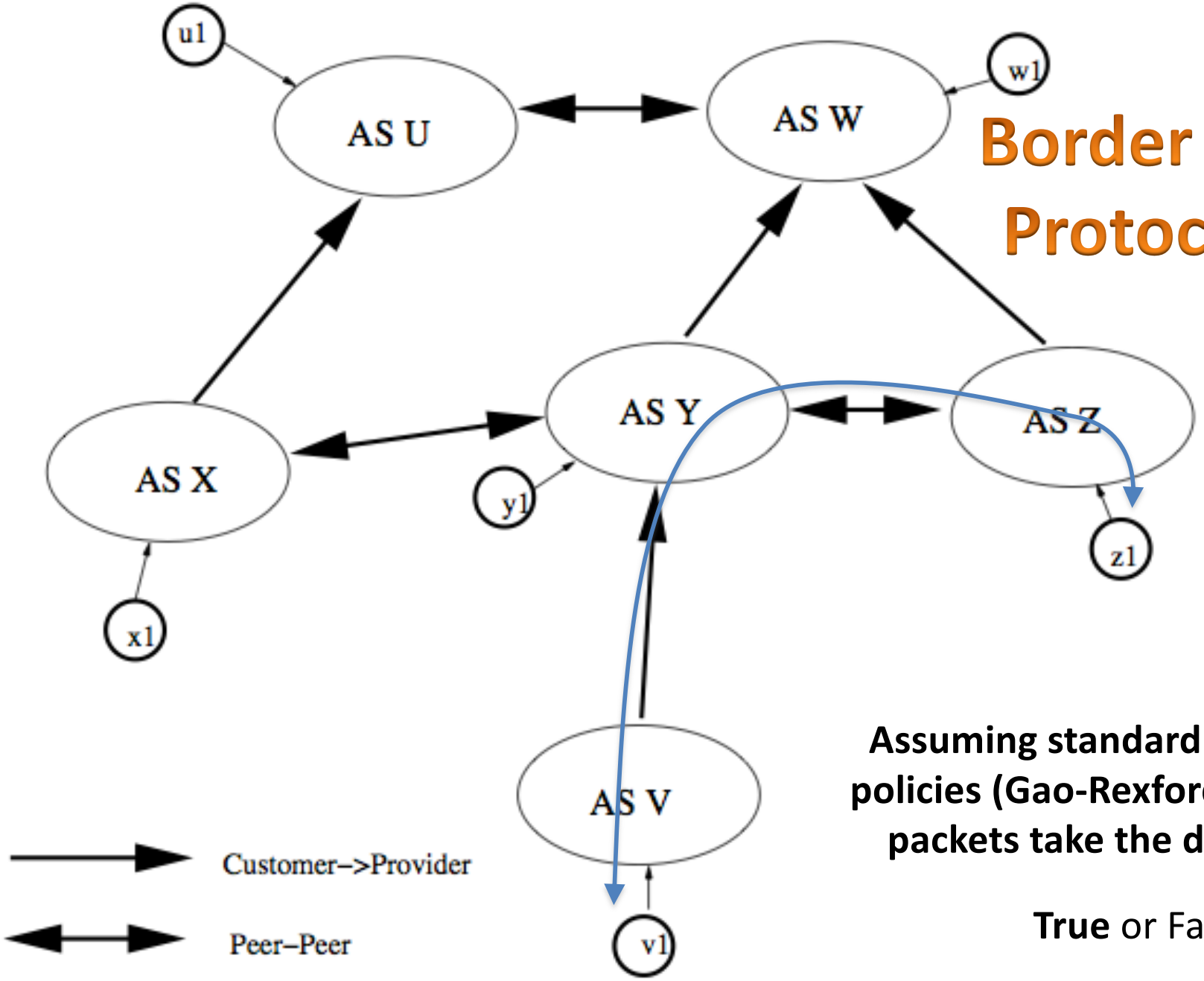

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Why?

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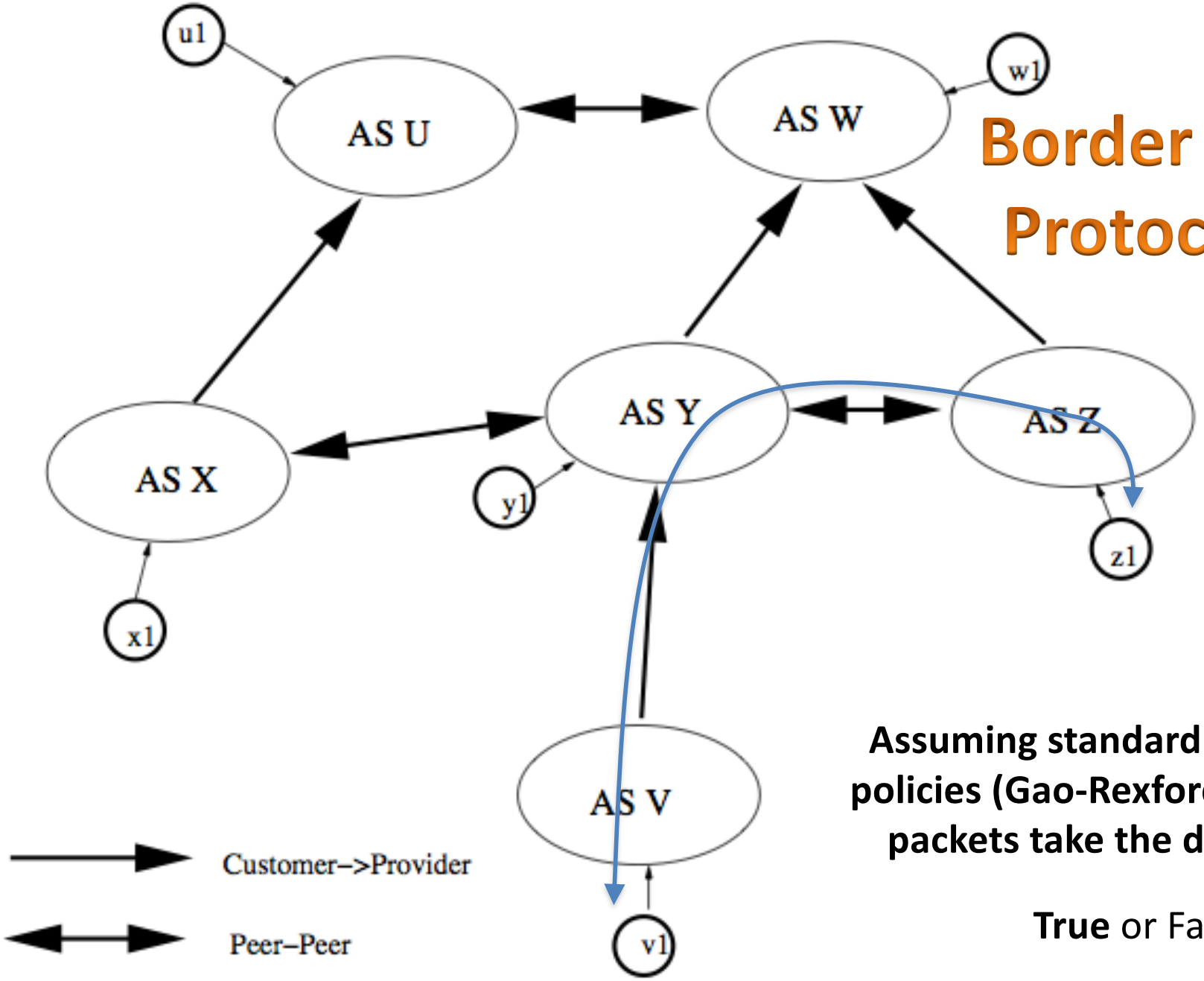

Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

True or False

Why?

Going through AS Y is a free route. AS W would not want to carry the traffic.

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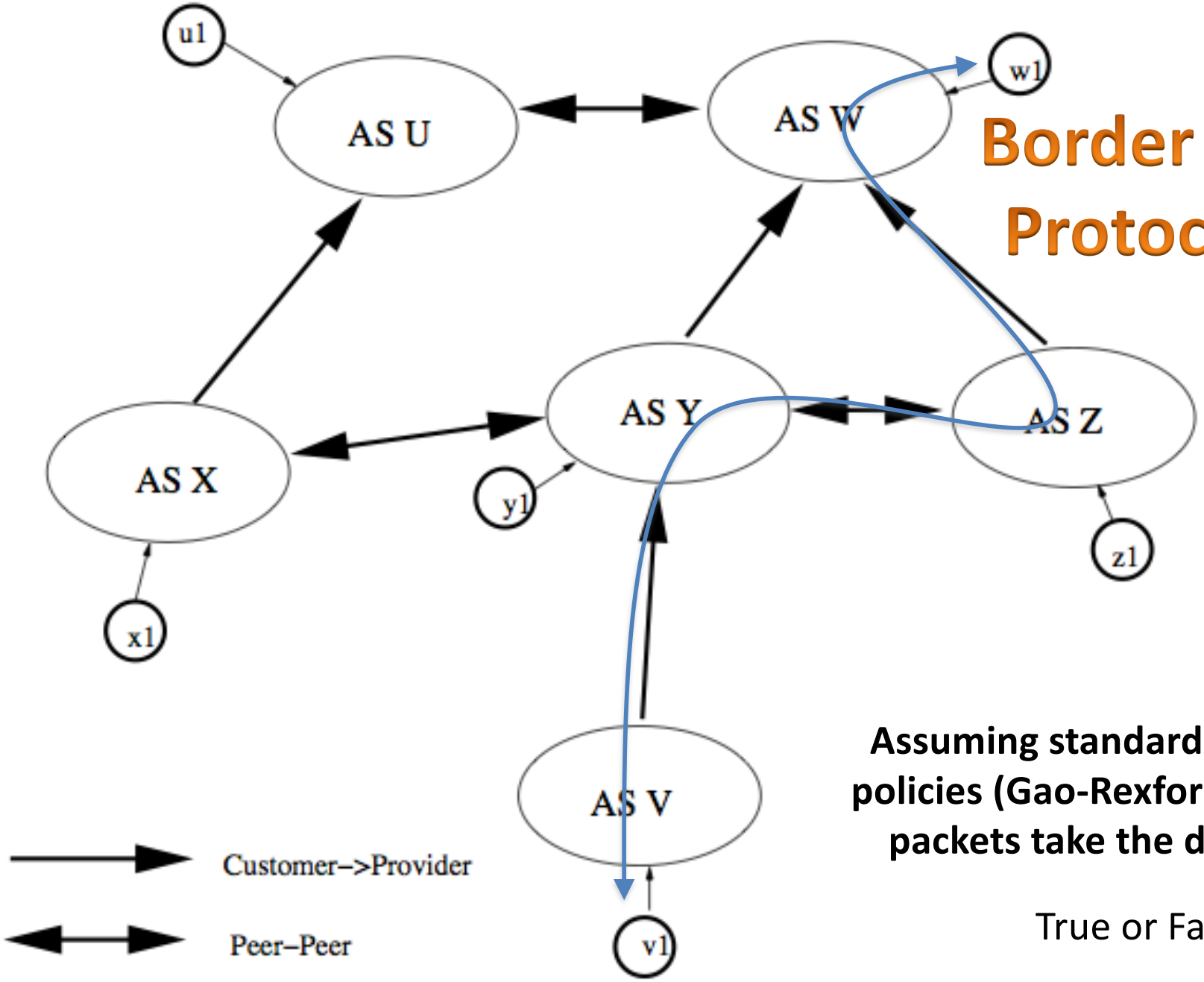

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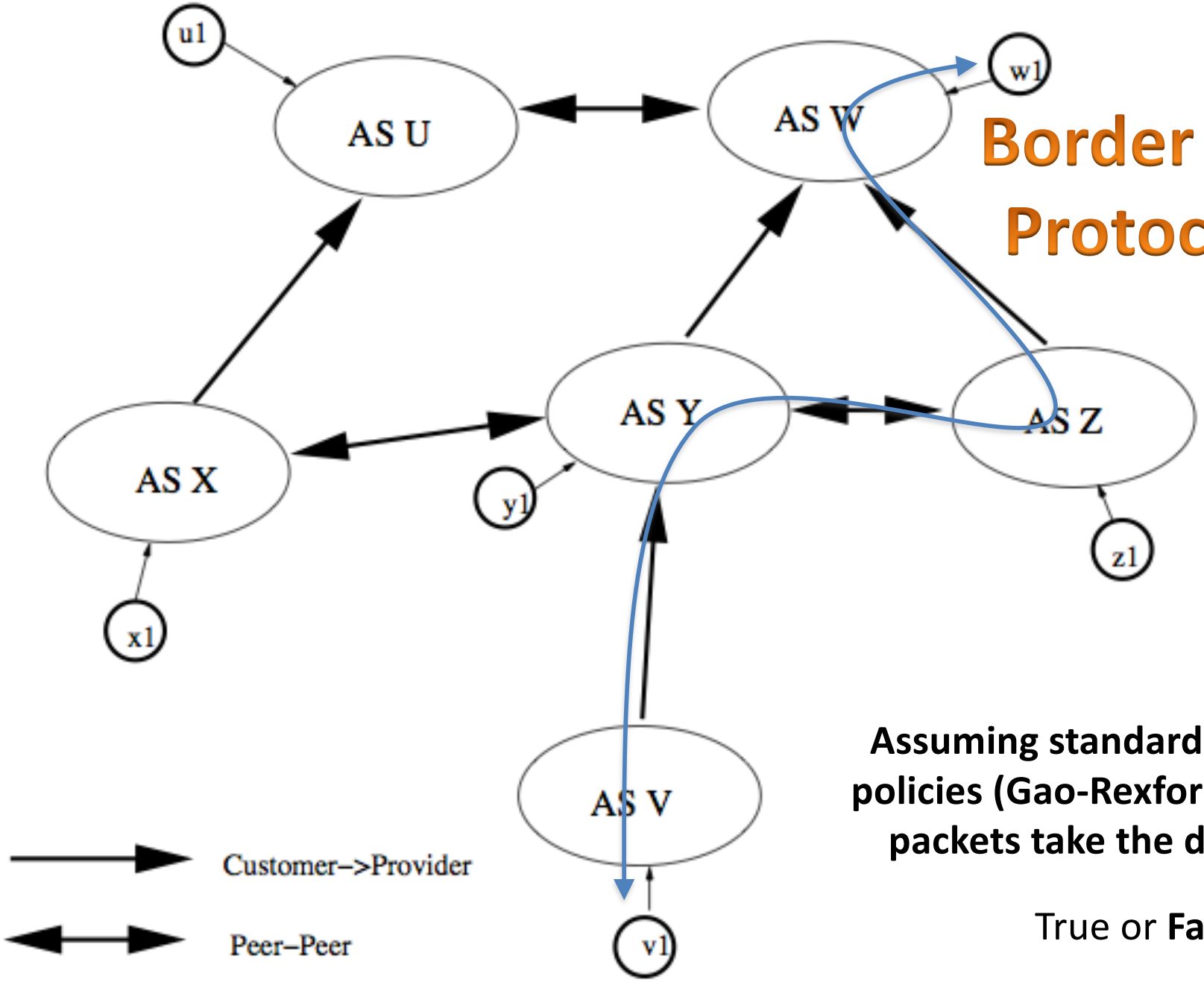

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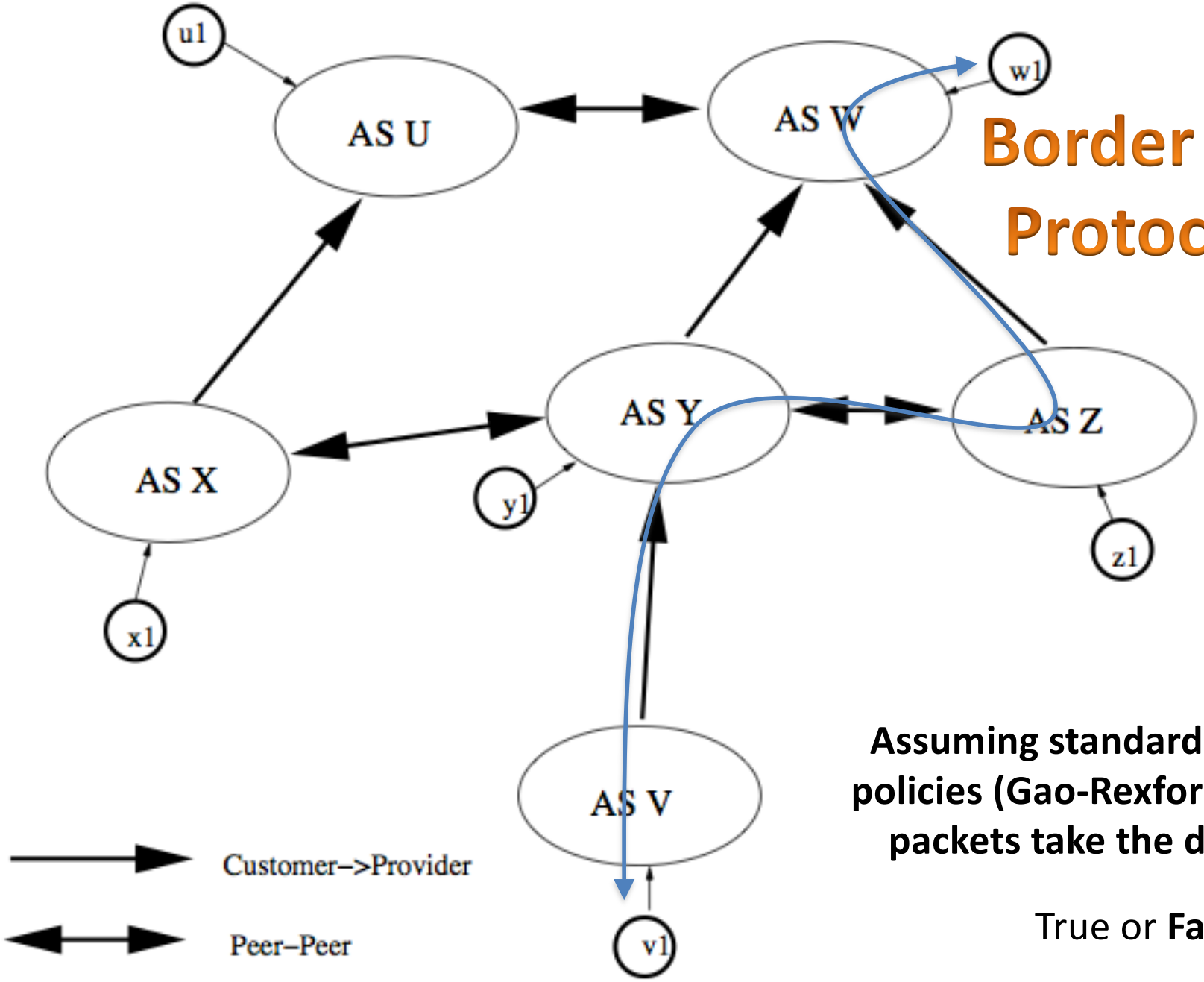

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True or **False**

Why?

AS Z would not advertise a route to its provider, AS W, to its peer, AS Y, and vice versa

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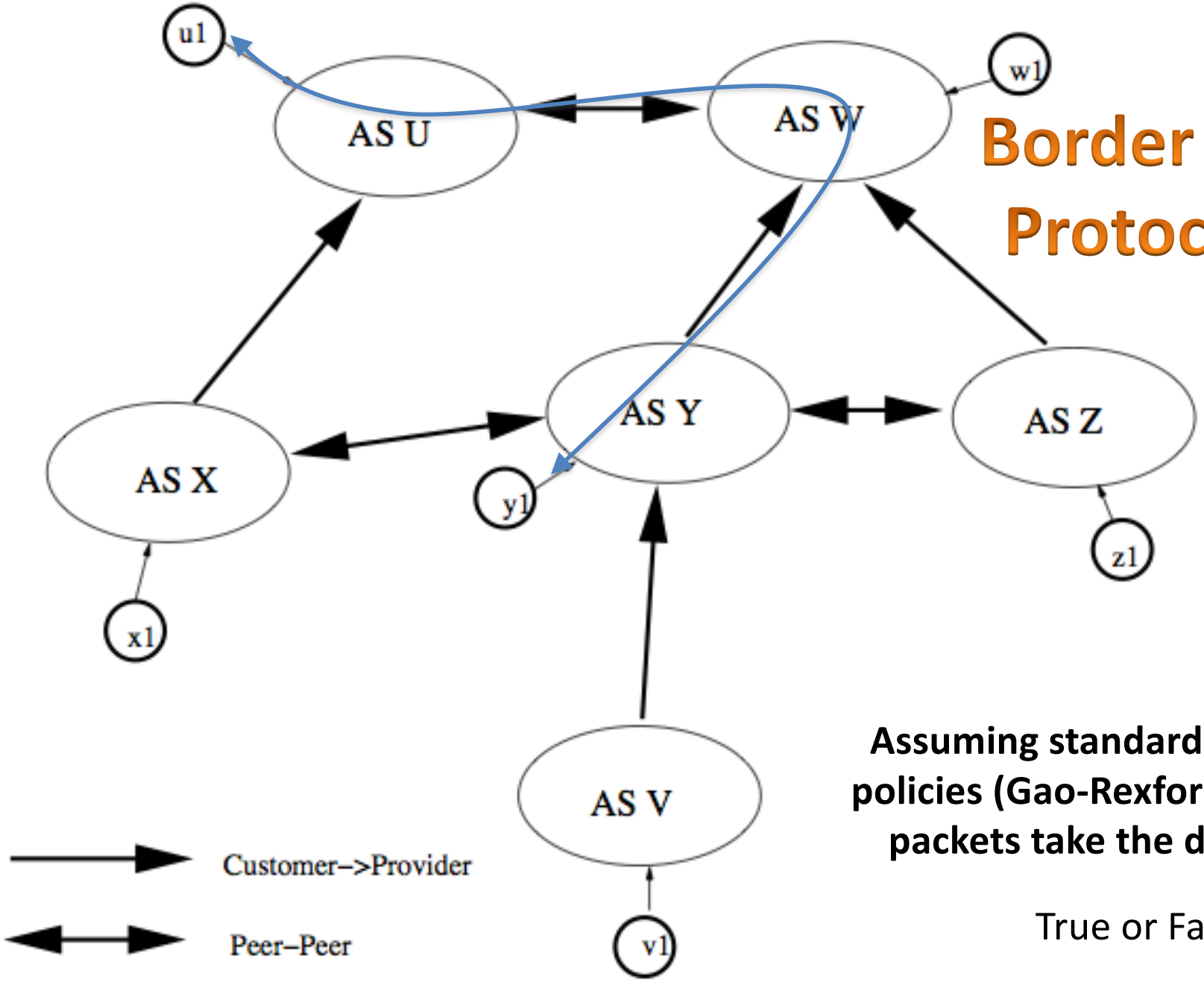

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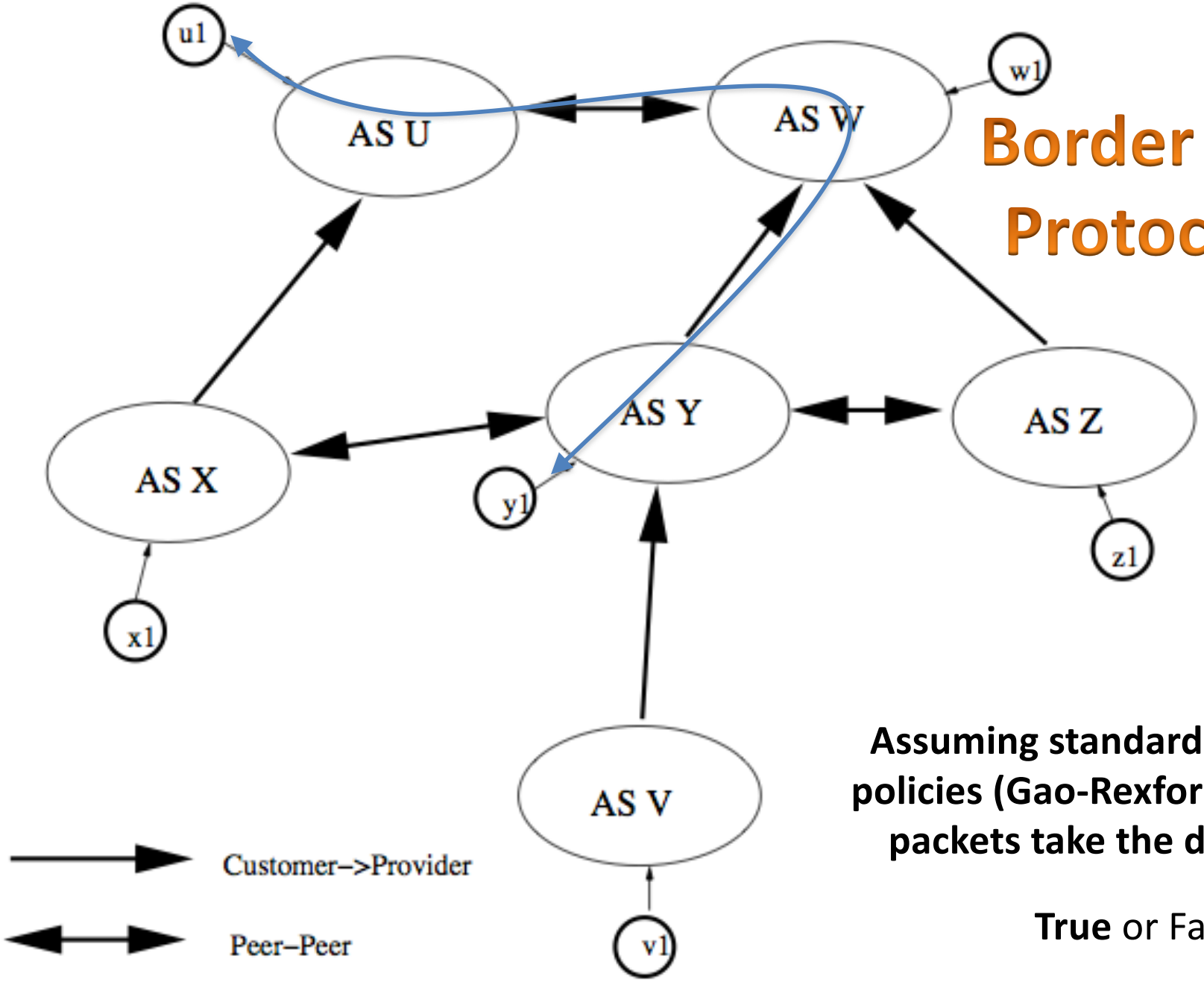

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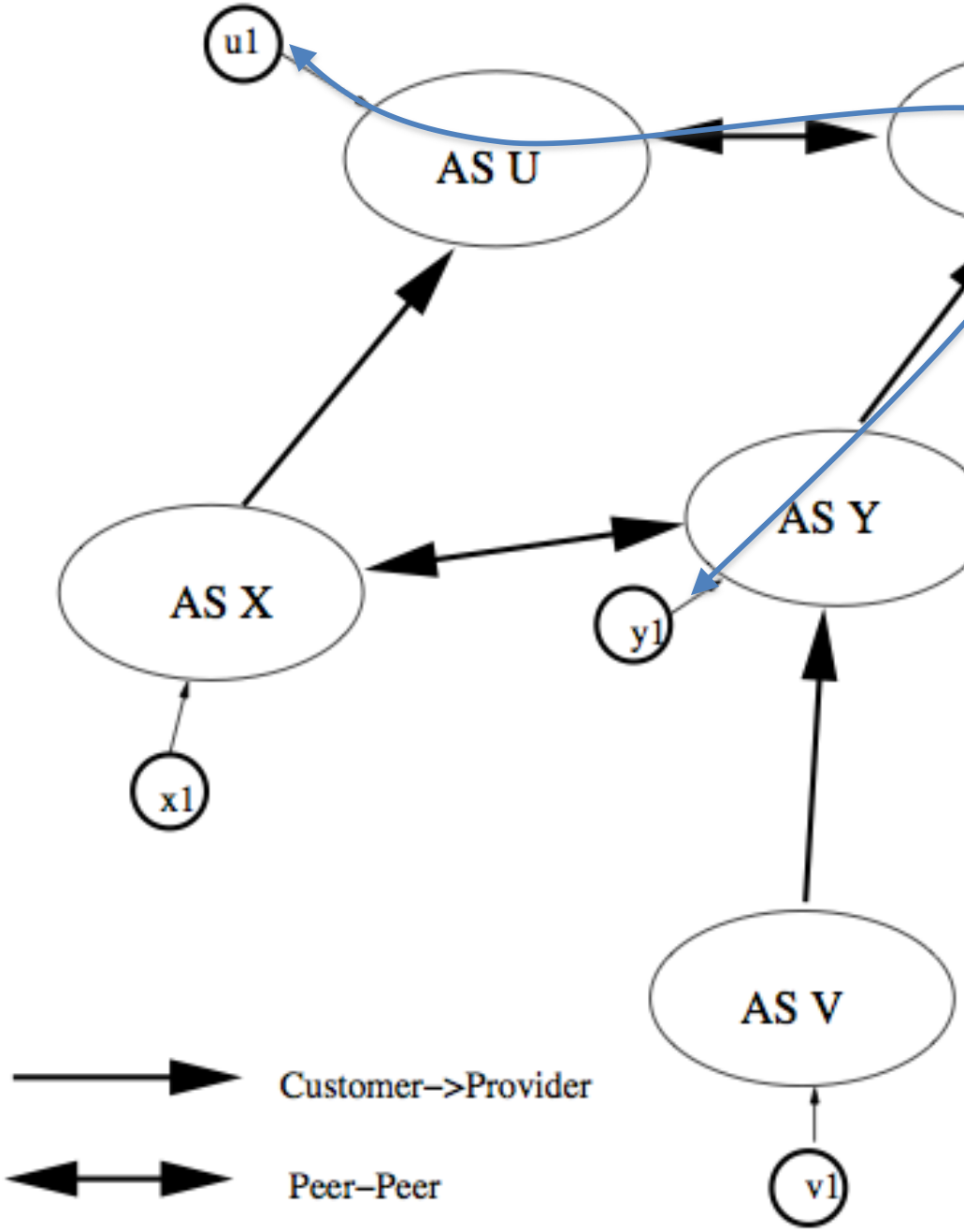

Assuming standard BGP routing policies (Gao-Rexford model), will packets take the drawn path?

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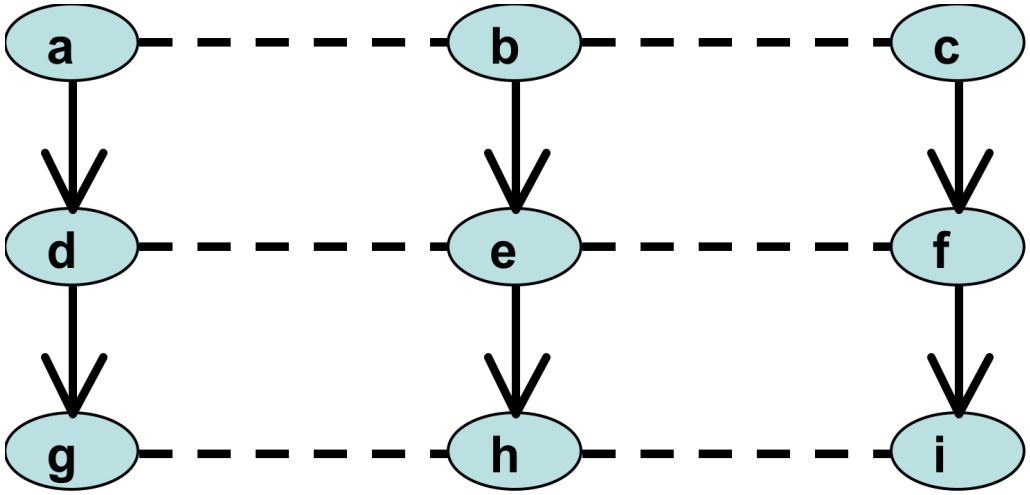
Why?

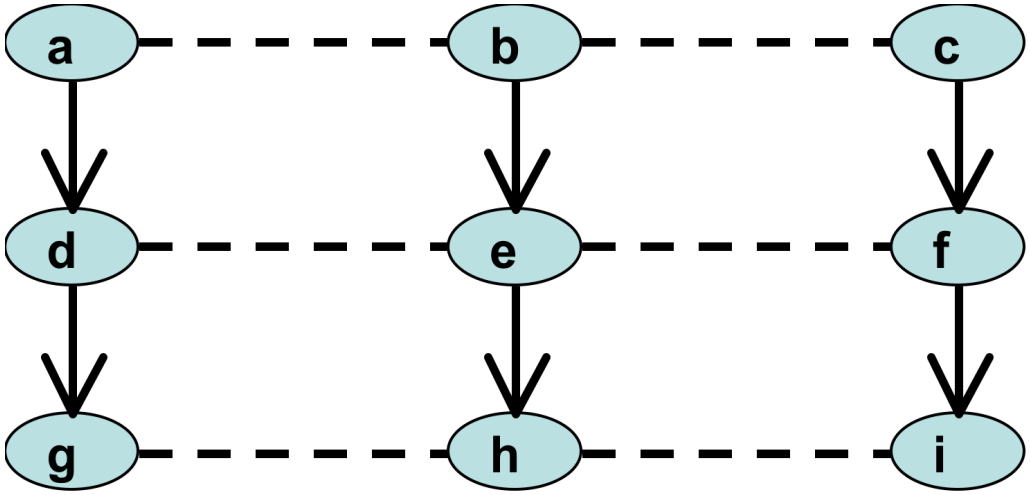
AS X would not advertise a peer link to its provider, AS U (it would pay for being a middle man)



Peer ----- Peer
Provider -> Customer

1. Which of the following paths to d are valid?

(a) b->a->d
(b) h->e->d
(c) f->e->d
(d) c->b->e->d



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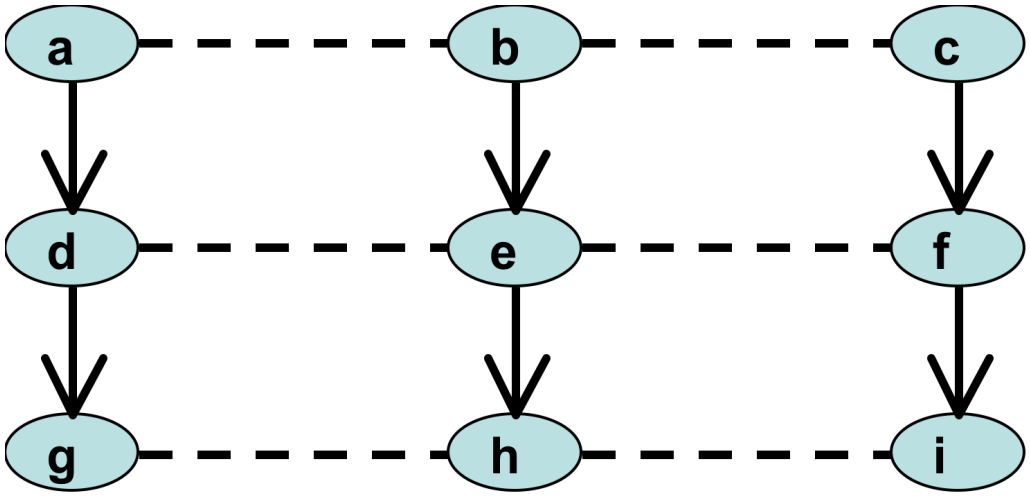
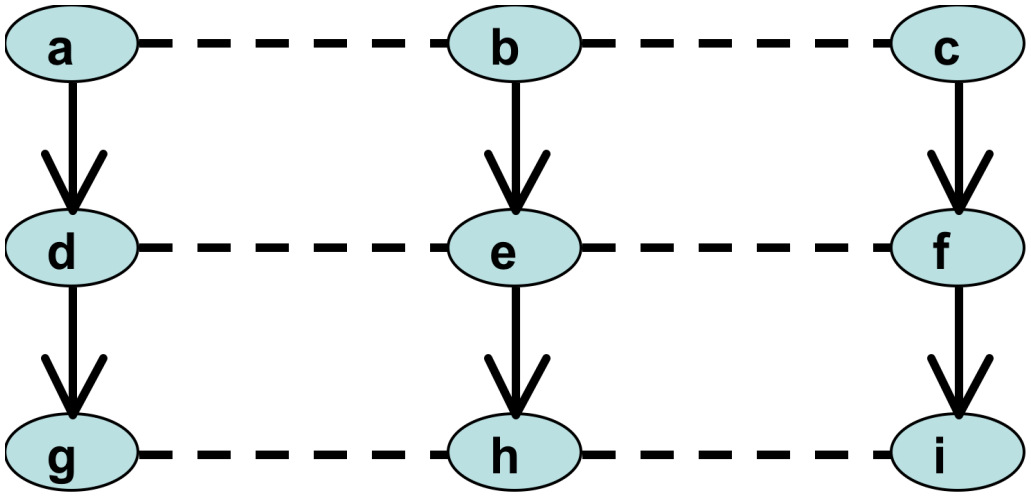


Peer ----- Peer
Provider -> Customer

2. Which path does e take to reach i ?

(a) e->h->i
(b) e->f->i
(c) e->b->c->f->i
(d) e->d->g->h->i



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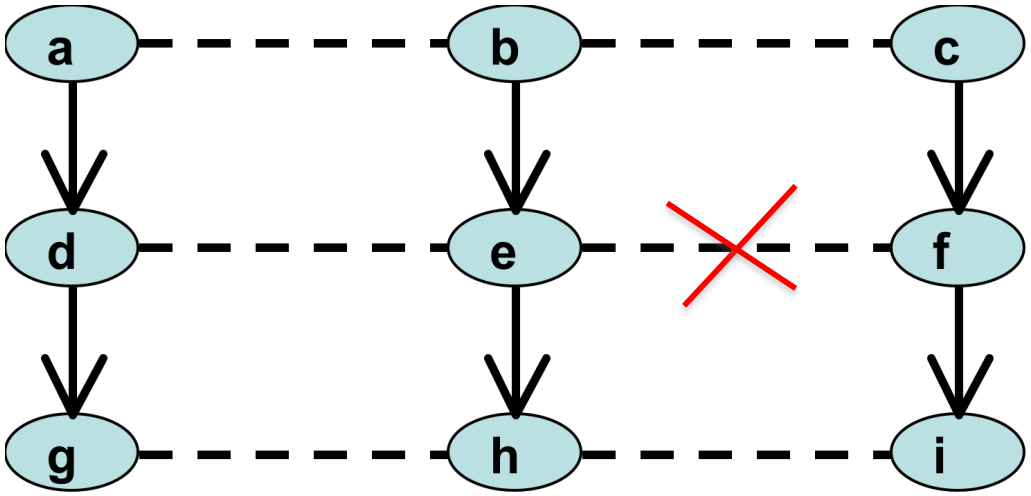

Peer ----- Peer
Provider -> Customer

3. If the link e-f is removed then which path does e take to reach i ?

(a) e->h->i
(b) e->f->i
(c) e->b->c->f->i
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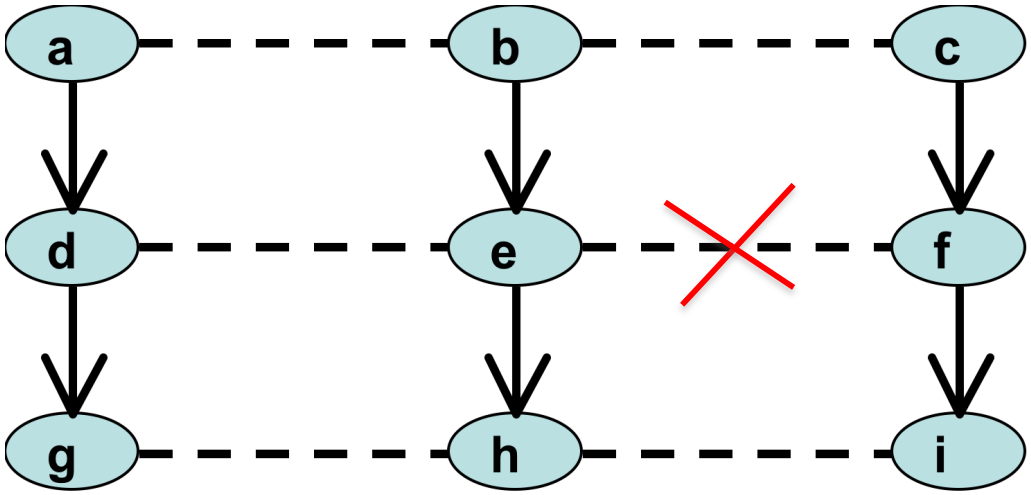

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