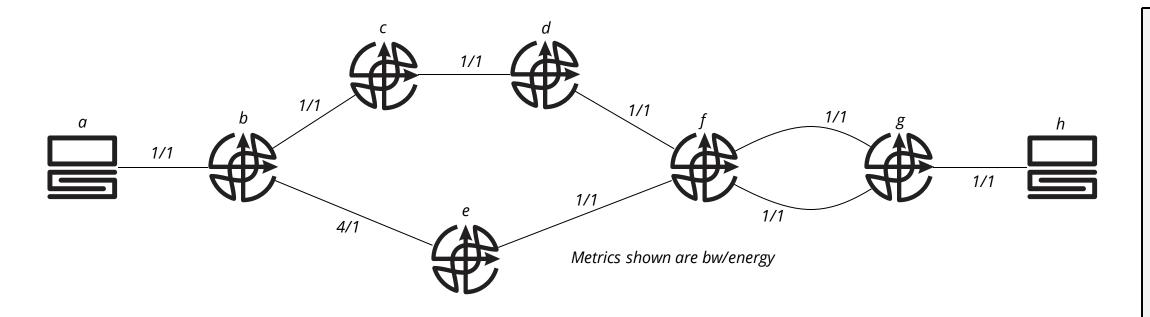


From a control plane perspective, what can we do to reduce power usage?

- 1. Remove redundant links
- 2. Remove redundant equipment
- 3. Reduce link speed

All of these can be done in a time variant (TVR) way



Doing this	Could
Remove [b,e] high energy link	Increase stretch Decrease aggregate bandwidth
Remove <i>c</i> & <i>d</i>	Decrease aggregate bandwidth

Increases in stretch and/or reductions in aggregate bandwidth can have a negative impact on applications via increased delay, increased jitter, bufferbloat, etc.

## Out/in service determination

## Remembering the link

and knowing the link will work when you try to use it

## Convergence impact

on taking a link out of service on failure of a working link impact on fast convergence