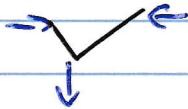
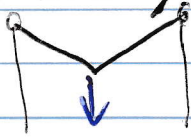


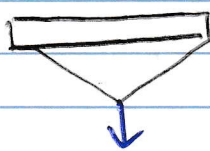
Eg. Loading below support (tension)



Options

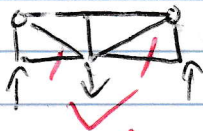


Anchor tension cables



Beam takes horizontal compression

Called compression strut



Use truss to prevent horizontal forces at the supports

zero-force member, but can help if puts fail

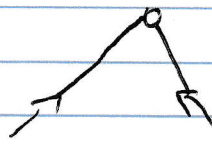
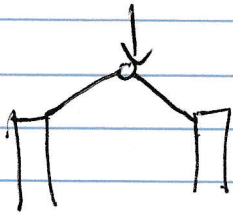


Suspension bridge

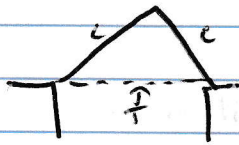


Fixed ends

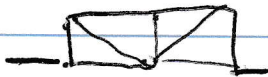
Eg. Loading above support (compression)



Resistive foundation



Add centre



Truss

Alt, susp bridge or others