```python
class RupeGoldbergSolver(ABC):

  def hangthem(self, components: List[Component]) -> Solution:
    """ What if we hang the first component, and let the others hang below it?  """

  def push(self, components: List[Component], force: float) -> Solution:
    """ What if we fix one endpoint, and we compress it? """

  def pull(self, components: List[Component], force: float) -> Solution:
    """ What if we fix one endpoint, and we pull the other end? """
```