Analysis

I. PsarTime Class Methods
   a. clockFriend
      i. **Input:** Integer totalSparen
      ii. **Output:** New psarTime object pt
      iii. **Constraints:** Input is an integer
      iv. **Assumptions:** Input represents total time since 0 in sparens
      v. **Modifies:** N/A
   b. convert
      i. **Input:** EarthTime object et
      ii. **Output:** New PsarTime object
      iii. **Constraints:** Input is an EarthTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A
   c. addPsarTime
      i. **Input:** PsarTime object pt
      ii. **Output:** New PsarTime object newpt
      iii. **Constraints:** pt is a PsarTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A
   d. addEarthTime
      i. **Input:** EarthTime object et
      ii. **Output:** New PsarTime object
      iii. **Constraints:** et is an EarthTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A
   e. subPsarTime
      i. **Input:** PsarTime object pt
      ii. **Output:** New PsarTime object
      iii. **Constraints:** pt is a PsarTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A
   f. subEarthTime
      i. **Input:** EarthTime object et
      ii. **Output:** New PsarTime object
      iii. **Constraints:** et is an EarthTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A
   g. toString
      i. **Input:** N/A
      ii. **Output:** Readable output of an object's state.
      iii. **Constraints:** Attached to a PsarTime object
      iv. **Assumptions:** N/A
      v. **Modifies:** N/A

II. EarthTime Class Methods
   a. clockFriend

- i. **Input:** Integer totalMinutes
- ii. **Output:** New EarthTime object pt
- iii. **Constraints:** Input is an integer
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

b. convert
- i. **Input:** PsarTime object pt
- ii. **Output:** New EarthTime object equivilent to pt
- iii. **Constraints:** Input is a PsarTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

c. addPsarTime
- i. **Input:** PsarTime object pt
- ii. **Output:** New PsarTime object
- iii. **Constraints:** Input is a PsartTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

d. addEarthTime
- i. **Input:** EarthTime object et
- ii. **Output:** New EarthTime object
- iii. **Constraints:** Input is an EarthTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

e. subPsarTime
- i. **Input:** PsarTime object pt
- ii. **Output:** New EarthTime object
- iii. **Constraints:** Input is a PsarTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

f. subEarthTime
- i. **Input:** EarthTime object et
- ii. **Output:** New EarthTime object
- iii. **Constraints:** Input is an EarthTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A

g. toString
- i. **Input:** N/A
- ii. **Output:** A readable output of the state of the attached EarthTime object
- iii. **Constraints:** Attached to an EarthTime object
- iv. **Assumptions:** N/A
- v. **Modifies:** N/A