```java
public class Author {  ...............................  .. Total = 3
    private String name;
    private int age;


    public Author(String name, int age) {  ...............................  2
        this.name = name;
        this.age = age ;

    }
    public int getAge() {   ...............................  1
        return age;
    }

}

public class Faculty extends Author{   ...............................  1  .. Total = 3

    private double salary;
    private String position;

    public Faculty(String name, int age, double salary, String position){
        super(name, age);  ...............................  2
        this.salary = salary;
        this.position = position;
    }
}


public class Paper {  .. Total = 26
    private String title;
    private int nbWords;
    private Author arAuth[];...............................  1
    private int nba;        ...............................  1

    public Paper(String title, int nbWords) {  ------- / 3
        this.title = title;
        this.nbWords = nbWords;
        arAuth = new Author[5];  ...............................  1 + 1
        nba = 0;                 ...............................  1
    }

        public Paper(Paper P) {  ...............................  1  ------- / 5
        this.title = P.title;
        this.nbWords = P.nbWords;
        arAuth = new Author[P.arAuth.length];  ...............................  1
            for(int i=0; i<P.nba; i++)              ...............................  1
                    arAuth[i] = P.arAuth[i];   ...............................  1
             nba = P.nba;                       ...............................  1


    }
```

```java
        public boolean addAuthor(Author a) {          ------- / 5
                if (nba < arAuth.length) {            ............................ 1
                        arAuth [nba] = a;             ............................ 1
                        nba ++;                       ............................ 1
                        return true;                  ............................ 1
                }
                else
                        return false;                 ............................ 1
        }



        public Author findYoungestAuthor() {          ------- / 5
                Author res = arAuth[0];   ........................... 1

                for (int i = 1; i < nba; i++) {  ........................... 1
                        if (arAuth[i].getAge() < res.getAge()) ........................... 1
                                res = arAuth[i];  ........................... 1
                }
                return res;  ........................... 1
        }

        public int getNbWords() {  ........................... 1  ------- / 1
                return nbWords;
        }

public int countAuthors(int a){          ------- / 5
    int count =0;  ........................... 1

                for (int i=0; i < nba; i++) {  ........................... 1
                        if (arAuth[i].getAge() >= a)  ........................... 1
                                count++;  ........................... 1
                }
                return count;  ........................... 1
}

}

public class Conference{  .. Total = 23
        private String name;
     private String location;
      private Paper arPap[];  ........................... 1
      private int nbp;  ........................... 1

      public Conference(String name, String location, int size){  ------- / 2
                this.name = name;
              this.location = location;
                arPap = new Paper[size];  ........................... 1
                nbp = 0;  ........................... 1
        }
```

```java
public boolean addPaper(Paper p) {        ------- / 6
        if (nbp < arPap.length) {         ...................................... 1
                arPap[nbp] = new Paper(p);  ...................................... 1 + 1
                nbp++;              ...................................... 1
                return true;        ...................................... 1
        }
        else
                return false;       ...................................... 1
    }

public void splitPaper(int n, Paper[]longPapers, Paper[]shortPapers) ---- / 9
{
            int j=0, k=0;  ...................................... 1 + 1
      for (int i = 0; i < nbp; i++){  ...................................... 1
                if (arPap[i].getNbWords()> n) {  ...................................... 1
                        longPapers[j] = arPap[j];  ...................................... 1
                        j++;  ...................................... 1
                }
            else ...................................... 1
                {
                    shortPapers[k] = arPap[k];  ...................................... 1
                    k++;  ...................................... 1
                }

        }
}


public int countSeniorAuthors(){   ------- / 4

        int count =0;  ...................................... 1
      for (int i = 0; i < nbp; i++){  ...................................... 1
                count += arPap[i].countAuthors(50);  ...................................... 1
                }
            return count;  ...................................... 1
}
}
```