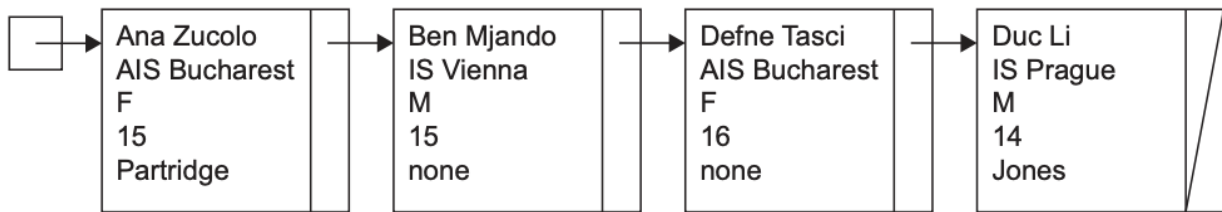


Consider the following diagram which represents the list `guests`.



The following recursive method has been written to act on the list `guests`.

```
public void recursive(int k, char a)
{
    if (k == guests.size())
    {
        output ("no such record");
    }
    else
    {
        Visitor current = guests.get(k);
        if ((current.getGender() == a) && (current.getAge() > 15))
        {
            output current.getName();
        }
        else
        {
            recursive(k + 1, a);
        }
    }
}
```

Award [4 max].

Award [1] for showing the second call to the method

Award [1] for showing the third call to the method (and no subsequent calls)

Award [1] for including the correct test outcome

Award [1] for correct output

```
recursive(0, 'F')
  k = 0
  current is Ana
  test incorrect
  recursive(1, 'F')
    k = 1
    current is Ben
    test incorrect
    recursive(2, 'F')
      k = 2
      current is Defne
      test correct
      output Defne Tasçi
```