

## Question 1

[10 marks]

Define a visitor for a `BRStruct<String>` which returns, as an `Integer`, how many `Strings` in the `BRStruct` start with the letter 'A'.

```
public class QuizVisitor implements IAlgo<Object,String,Integer> {
```

```
    public Integer emptyCase(BRStruct<String> host, Object _) {
```

```
    }
```

```
    public Integer nonEmptyCase(BRStruct<String> host, Object _) {
```

```
    }
```

```
}
```

Quiz #2 — t.b.d.%

Name (print, surname first): \_\_\_\_\_

Monday, April 18, 2007

Signature: \_\_\_\_\_

15 minutes

Serial number: \_\_\_\_\_

Person #: \_\_\_\_\_

**This assessment has 2 pages. Check that you have a complete paper.**

**Each candidate should be prepared to produce, upon request, his or her SUNY/UB card.**

**This examination has 1 questions. Answer all 1 questions.**

**READ AND OBSERVE THE FOLLOWING RULES:**

- ▷ Write the following, in ink, in the space provided above,
  - ◊ your name, surname first,
  - ◊ your usual signature, and
  - ◊ your UB person number,
- ▷ All of your writing must be handed in. This booklet must not be torn or mutilated in any way, and must not be taken from the examination room.
- ▷ Show all of your work in arriving at an answer, unless instructed otherwise. Partial credit will be awarded as appropriate.
- ▷ Candidates are not permitted to ask questions of the invigilators, except in cases of supposed errors or ambiguities in examination questions.
- ▷ **CAUTION** — Candidates guilty of any of the following, or similar, dishonest practices shall be immediately dismissed from the examination and shall be liable to disciplinary action.
  - ◊ Making use of any books, papers or memoranda, calculators or computers, audio or visual cassette players, or other memory aid devices, other than those *explicitly authorised* by the examiners.
  - ◊ Speaking or communicating with other candidates.
  - ◊ Purposely exposing written papers to the view of other candidates. The plea of accident or forgetfulness shall not be received.

*Do not write below this line!*

Question	Points
1	/10
TOTAL	/10