Distributed Algorithms CPSC-561
Assignment 2

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1

1.1

```java
public class CAS_FROM_SCAS {
    private SCAS scas;
    public boolean CAS(Object e, Object v){
        scas.scas(e, v);
        Object after = scas.read();
        return (after == v);
    }
    public Object read() {
        return scas.read();
    }
}
```

1.2

```java
public class SCAS_FROM_CAS {
    private CAS cas;
    public Object SCAS(Object e, Object v){
        Object original = cas.read();
        cas.cas(e, v);
        return original;
    }
    public Object read() {
        return cas.read();
    }
}
```

1.3

```
public class SCAS_FROM_CAS {
    private CAS cas;
    public Object SCAS(Object e, Object v){
        Object original = cas.read();
        cas.cas(e, v);
        return original;
    }
    public Object read() {
        return cas.read();
    }
}
```

2 Consensus

3 SRSW