

PART 1

1

```
Reader 1: read cnt as 1
Reader 2: read cnt as 1
Reader 3: read cnt as 1
Reader 5: read cnt as 1
Reader 4: read cnt as 1
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
```

2

```
Reader 1: read cnt as 1
Reader 2: read cnt as 1
Reader 3: read cnt as 1
Reader 4: read cnt as 1
Reader 5: read cnt as 1
Writer 1 modified cnt to 2
Writer 3 modified cnt to 4
Writer 2 modified cnt to 8

Press any key to continue . . .
```

3

```
Reader 1: read cnt as 1
Reader 2: read cnt as 1
Reader 3: read cnt as 1
Reader 4: read cnt as 1
Reader 5: read cnt as 1
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
```

4

```
Reader 1: read cnt as 1
Reader 2: read cnt as 1
Reader 3: read cnt as 1
Reader 4: read cnt as 1
Reader 5: read cnt as 1
Writer 3 modified cnt to 2
Writer 1 modified cnt to 4
Writer 2 modified cnt to 8
```

5

```
Reader 1: read cnt as 1
Reader 4: read cnt as 1
Reader 5: read cnt as 1
Reader 2: read cnt as 1
Reader 3: read cnt as 1
Writer 3 modified cnt to 2
Writer 1 modified cnt to 4
Writer 2 modified cnt to 8
```

PART 2

```
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
Reader 1: read cnt as 8
Reader 3: read cnt as 8
Reader 2: read cnt as 8
Reader 4: read cnt as 8
Reader 5: read cnt as 8
```

```
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
Reader 1: read cnt as 8
Reader 2: read cnt as 8
Reader 5: read cnt as 8
Reader 4: read cnt as 8
Reader 3: read cnt as 8
```

```
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
Reader 1: read cnt as 8
Reader 2: read cnt as 8
Reader 5: read cnt as 8
Reader 4: read cnt as 8
Reader 3: read cnt as 8
```

```
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
Reader 1: read cnt as 8
Reader 2: read cnt as 8
Reader 3: read cnt as 8
Reader 4: read cnt as 8
Reader 5: read cnt as 8
```

```
Writer 1 modified cnt to 2
Writer 2 modified cnt to 4
Writer 3 modified cnt to 8
Reader 1: read cnt as 8
Reader 2: read cnt as 8
Reader 3: read cnt as 8
Reader 4: read cnt as 8
Reader 5: read cnt as 8
```