

### Step One TCI from EPs

| TCI  | Parameter | Range of Inputs                  | Test Case |
|------|-----------|----------------------------------|-----------|
| EP1  | guestAge  | input >= 0 && input <= 12        | TBD       |
| EP2  |           | input >= 13 && input <= 64       | TBD       |
| EP3  |           | input >= 65....Integer.MAX_VALUE | TBD       |
| EP4* |           | Integer.MIN_VALUE..input == -1   | TBD       |

### Step Two TCI for Boundary Values from EPs

| TCI  | Parameter | Boundary Value    | Test Case |
|------|-----------|-------------------|-----------|
| BV1  | guestAge  | 0                 | TBD       |
| BV2  |           | 12                | TBD       |
| BV3  |           | 13                | TBD       |
| BV4  |           | 64                | TBD       |
| BV5  |           | 65                | TBD       |
| BV6  |           | Integer.MAX_VALUE | TBD       |
| BV7* |           | -20               | TBD       |
| BV8  | nights    | 1                 | TBD       |

|       |              |           |     |
|-------|--------------|-----------|-----|
| BV9   |              | 14        | TBD |
| BV10* |              | 15        | TBD |
| BV11  | return value | 50% off   | TBD |
| BV12  |              | FULLPRICE | TBD |
| BV13  |              | 20% off   | TBD |

### Step Three TCI for Decision Table

Causes (true/false)

- Is Arkansas Resident?
- Has Veteran Status

Effects (rules)

- Apply \$10 off additionally
- Apply 10% discount
- Apply both (\$10 off first, then 10% of the remaining balance)
- Apply nothing

| <b>TCI</b> | <b>AR Resident?</b> | <b>Veteran?</b> | <b>Effect</b> |
|------------|---------------------|-----------------|---------------|
| DT1        | false               | false           | Apply nothing |
| DT2        | true                | false           | \$10 off      |
| DT3        | false               | true            | 10% discount  |

|     |      |      |                             |
|-----|------|------|-----------------------------|
| DT4 | true | true | \$10 off, then 10% discount |
|-----|------|------|-----------------------------|