

Zhunan Shuai

## Question2 result

### Part1

| MaryCalls            |                |  | phi(MaryCalls)            |
|----------------------|----------------|--|---------------------------|
| MaryCalls(yes)       |                |  | 0.1002                    |
| MaryCalls(no)        |                |  | 0.8998                    |
| JohnCalls, MaryCalls |                |  | phi(JohnCalls, MaryCalls) |
| JohnCalls(yes)       | MaryCalls(yes) |  | 0.0950                    |
| JohnCalls(yes)       | MaryCalls(no)  |  | 0.8550                    |
| JohnCalls(no)        | MaryCalls(yes) |  | 0.0050                    |
| JohnCalls(no)        | MaryCalls(no)  |  | 0.0450                    |
| Alarm                |                |  | phi(Alarm)                |
| Alarm(yes)           |                |  | 0.9826                    |
| Alarm(no)            |                |  | 0.0174                    |

### Part2

| Battery                |  | phi(Battery) |
|------------------------|--|--------------|
| Battery(Works)         |  | 0.6612       |
| Battery(Doesn't work)  |  | 0.3388       |
| Starts                 |  | phi(Starts)  |
| Starts(yes)            |  | 0.0880       |
| Starts(no)             |  | 0.9120       |
| Radio                  |  | phi(Radio)   |
| Radio(turns on)        |  | 0.7500       |
| Radio(Doesn't turn on) |  | 0.2500       |

|                        |                 |
|------------------------|-----------------|
| +-----+                |                 |
| Ignition               | phi(Ignition)   |
| +=====+                |                 |
| Ignition(Works)        | 0.5280          |
| +-----+                |                 |
| Ignition(Doesn't work) | 0.4720          |
| +-----+                |                 |
| +-----+                |                 |
| Starts                 | phi(Starts)     |
| +=====+                |                 |
| Starts(yes)            | 0.5216          |
| +-----+                |                 |
| Starts(no)             | 0.4784          |
| +-----+                |                 |
| +-----+                |                 |
| KeyPresent             | phi(KeyPresent) |
| +=====+                |                 |
| KeyPresent(yes)        | 0.6604          |
| +-----+                |                 |
| KeyPresent(no)         | 0.3396          |
| +-----+                |                 |