a) separated but not Sufficient example

b) Sufficient but not separated example

| Region | Hyperlipidemia | Gender | P(region \| Hyperlipidemia, gender) |
|---|---|---|---|
| Countryside | YES | Male | 0.4967974089058388 |
| City | YES | Male | 0.5032025910941611 |
| Countryside | YES | Female | 0.49679740890583884 |
| City | YES | Female | 0.5032025910941612 |
| Countryside | NO | Male | 0.4677592424857465 |
| City | NO | Male | 0.5322407575142535 |
| Countryside | NO | Female | 0.4677592424857465 |
| City | NO | Female | 0.5322407575142535 |

Ht = Hypertension
Bmi = bmi
Gd = gender

| ht | gd | bmi | P(ht \| bmi, gd ) |
|---|---|---|---|
| YES | Male | ~18.5 | 0.35773820375234433 |
| NO | Male | ~18.5 | 0.6422617962476557 |
| YES | Female | ~18.5 | 0.3576315345218272 |
| NO | Female | ~18.5 | 0.6423684654781728 |
| YES | Male | ~24.0 | 0.4423420938379685 |
| NO | Male | ~24.0 | 0.5576579061620316 |
| YES | Female | ~24.0 | 0.4422142128712048 |
| NO | Female | ~24.0 | 0.5577857871287951 |
| YES | Male | ~28.0 | 0.8418611211362927 |

| NO | Male | ~28.0 | 0.15813887886370726 |
|---|---|---|---|
| YES | Female | ~28.0 | 0.841744582916131 |
| NO | Female | ~28.0 | 0.1582554170838691 |
| YES | Male | <18.5 | 0.045981598391849364 |
| NO | Male | <18.5 | 0.9540184016081505 |
| YES | Female | <18.5 | 0.045962372420819506 |
| NO | Female | <18.5 | 0.9540376275791805 |