|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$Y$$ | $$X\_{1}$$ | $$X\_{2}$$ | Converging Redundant | Diverging Redundant | Converging Synergistic | Diverging Synergistic | Converging Unique | Diverging Unique |
| 0 | 0 | 0 | 0.5 | 0.5 | 0.25 | 0.125 | 0.25 | 0.125 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0.25 | 0.125 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0.25 | 0.125 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0.25 | 0 | 0.125 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0.25 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0.25 | 0 | 0.25 | 0.125 |
| 1 | 1 | 1 | 0.5 | 0.25 | 0 | 0.125 | 0.25 | 0.125 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.125 |
| 2 | 0 | 1 | 0 | 0 | 0 | 0.125 | 0 | 0 |
| 2 | 1 | 0 | 0 | 0 | 0 | 0.125 | 0 | 0.125 |
| 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 1 | 0 | 0 | 0 | 0.125 | 0 | 0.125 |
| 3 | 1 | 0 | 0 | 0 | 0 | 0.125 | 0 | 0 |
| 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0.125 |

**Figure 7-1: Joint probability distributions for the examples shown in Figure 7.**