|   | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 |   | A | B | C | D | E | F | G | H | I | J |   |   |
| 2 | 1 | QSN 1 |   |   |   |   |   |   |   |   |   |   |   |
| 3 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |
| 4 | 3 |   | Purchased tv | **Purchased dvd** |   |   |   |   |   |   |   |   |   |
| 5 | 4 |   |   | yes | no | total | =SUM(C5:D6) |   |   |   |   |   |   |
| 6 | 5 |   | Yes | 38 | 42 | 80 |   |   |   |   |   |   |   |
| 7 | 6 |   | No | 70 | 150 | 220 |   |   |   |   |   |   |   |
| 8 | 7 |   | Total | 108 | 192 | 300 |   |   |   |   |   |   |   |
| 9 | 8 |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 | 10 |   |   | Probabilty | Value | Formula |   |   |   |   |   |   |   |
| 12 | 11 |   | a | P(T) | 0.2666667 | =E5/E7 |   |   |   |   |   |   |   |
| 13 | 12 |   | b | P(TandD) | 0.1266667 | =C5/E7 |   |   |   |   |   |   |   |
| 14 | 13 |   | c | P(TorD) | 0.9666667 | =(C7+E6-C5)/E7 |   |   |   |   |   |   |   |
| 15 | 14 |   | d | P(D) | 0.36 | =C7/E7 |   |   |   |   |   |   |   |
| 16 | 15 |   |   | P(t/d) | 0.3518519 | =D12/D14 |   |   |   |   |   |   |   |
| 17 | 16 |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 | 17 | QSN 2 | A | 3000 |   |   |   |   |   |   |   |   |   |
| 19 | 18 |   | B | 2500 |   |   |   |   |   |   |   |   |   |
| 20 | 19 |   | C | 4500 |   |   |   |   |   |   |   |   |   |
| 21 | 20 |   |   | 10000 | =SUM(C17:C19) |   |   |   |   |   |   |   |   |
| 22 | 21 |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 | 22 |   | P(A) | 0.3 | P(D/A) | 0.03 |   | 0.009 | =C22*E22 |   |   |   |   |
| 24 | 23 |   | P(B) | 0.25 | P(D/B) | 0.012 |   | 0.003 |   |   |   |   |   |
| 25 | 24 |   | P(c ) | 0.45 | P(D/C) | 0.02 |   | 0.009 |   |   |   |   |   |
| 26 | 25 |   |   |   |   |   | P(D) | 0.021 | =SUM(G22:G24) |   |   |   |   |
| 27 | 26 |   |   |   |   |   |   |   |   |   |   |   |   |
| 28 | 27 |   | **Probability** | **Value** | **Formula** |   |   |   |   |   |   |   |   |
| 29 | 28 |   | i P(A/D) | 0.4285714 | =G22/G25 |   |   |   |   |   |   |   |   |
| 30 | 29 |   | ii P(B/D) | 0.1428571 | =G23/G25 |   |   |   |   |   |   |   |   |
| 31 | 30 |   | iii **P(C/D)** | 0.4285714 | =G24/G25 |   |   |   |   |   |   |   |   |
| 32 | 31 |   |   |   |   |   |   |   |   |   |   |   |   |
| 33 | 32 | QSN 3 |   |   |   |   |   |   |   |   |   |   |   |
| 34 | 33 |   | Dell | 6 |   |   |   |   |   |   |   |   |   |
| 35 | 34 |   | Lenovo | 9 |   |   |   |   |   |   |   |   |   |
| 36 | 35 |   | Acer | 5 |   |   |   |   |   |   |   |   |   |
| 37 | 36 |   | Total | 20 |   |   |   |   |   |   |   |   |   |
| 38 | 37 |   | Selection | 2 |   |   |   |   |   |   |   |   |   |
| 39 | 38 |   | n | 190 | =COMBIN(C36,C37) |   |   |   |   |   |   |   |   |
| 40 | 39 |   |   |   |   |   |   |   |   |   |   |   |   |
| 41 | 40 |   | Probability | Value | Formula |   |   |   |   |   |   |   |   |
| 42 | 41 |   | i. P(Both len.) | 0.1894737 | =COMBIN(C34,C37)/C38 |   |   |   |   |   |   |   |   |
| 43 | 42 |   | ii. P(Dell and acer) | 0.7894737 | =COMBIN(C33,C37)*COMBIN(C35,C37)/C38 |   |   |   |   |   |   |   |   |
| 44 | 43 |   |   |   |   |   |   |   |   |   |   |   |   |
| 45 | 44 | QSN 4 |   |   |   |   |   |   |   |   |   |   |   |
| 46 | 45 |   | P(A) | 0.3 | P(D/A) | 0.02 |   | 0.006 | =C45*E45 |   |   |   |   |
| 47 | 46 |   | P(B) | 0.45 | P(D/B) | 0.03 |   | 0.0135 |   |   |   |   |   |
| 48 | 47 |   | P© | 0.25 | P(D/C) | 0.02 |   | 0.005 |   |   |   |   |   |
| 49 | 48 |   |   |   |   |   | P(D) | 0.0245 | =SUM(G45:G47) |   |   |   |   |
| 50 | 49 |   |   |   |   |   |   |   |   |   |   |   |   |
| 51 | 50 |   | **Probability** | **Value** | **Formula** |   |   |   |   |   |   |   | s |
| 52 | 51 |   | i **P(A/D)** | 0.244898 | =C45*E45/G48 |   |   |   |   |   |   |   |   |
| 53 | 52 |   | ii **P(B/D)** | 0.5510204 | =C46*E46/G48 |   |   |   |   |   |   |   |   |
| 54 | 53 |   | iii **P(C/D)** | 0.2040816 | = C47*E47/G48 |   |   |   |   |   |   |   |   |
| 55 | 54 |   |   |   |   |   |   |   |   |   |   |   |   |
| 56 | 55 |   |   |   |   |   |   |   |   |   |   |   |   |
| 57 | 56 |   |   |   |   |   |   |   |   |   |   |   |   |
| 58 | 57 |   |   |   |   |   |   |   |   |   |   |   |   |
| 59 | 58 |   |   |   |   |   |   |   |   |   |   |   |   |
| 60 | 59 |   |   |   |   |   |   |   |   |   |   |   |   |