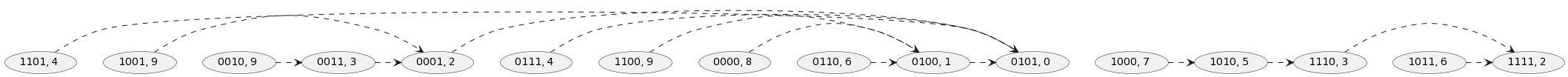
Exercice 1:

Q1.1.

(1000, 7) → (1010, 5) → (1110, 3) → (1111, 2)

Q1.2.

[](https://www.plantuml.com/plantuml/img/ROz93i8m34NtEOMNhLGXcw70Xhj4RQH6982QTC7jSGR2a6uY--dxENPNVNl8MLfm_caKlxCU_6ADcFIem2e_tKSt6EaS2D4W8NP0BMmk41hg05lHKCJdWcCcOWxi_zE8eTgkO9uxLPA8Zmbpc9j3mlHPcOr1GbpjLl3N1tD655roKsWova1Vy5iIg_gSEDVNnoVTZ-G5)

Q1.3.

| s’ | nb\_depl | s | s\* | v\* | Tabou |
| --- | --- | --- | --- | --- | --- |
|  | 0 | 1000 | 1000 | 7 | [] |
| 1010, 5 | 1 | 1010 | 1010 | 5 | [1000] |
| 1110, 3 | 2 | 1110 | 1110 | 3 | [1010] |
| 1111, 2 | 3 | 1111 | 1111 | 2 | [1110] |
| 1101, 4 | 4 | 1101 | 1111 | 2 | [1111] |
| 0101, 0 | 5 | 0101 | 0101 | 0 | [1101] |
| 0100, 1 | 6 | 0100 | 0101 | 0 | [0101] |
| 0110, 6 | 7 | 0110 | 0101 | 0 | [0100] |
| 1110, 3 | 8 | 1110 | 0101 | 0 | [0110] |

Q1.5.

| s’ | nb\_depl | s | s\* | v\* | Tabou |
| --- | --- | --- | --- | --- | --- |
|  | 0 | 1000 | 1000 | 7 | [] |
| 1010, 5 | 1 | 1010 | 1010 | 5 | [3] |
| 1110, 3 | 2 | 1110 | 1110 | 3 | [3, 2] |
| 1111, 2 | 3 | 1111 | 1111 | 2 | [2, 4] |
| 1101, 4 | 4 | 1101 | 1111 | 2 | [4, 3] |
| 0101, 0 | 5 | 0101 | 0101 | 0 | [3, 1] |
| 0100, 1 | 6 | 0100 | 0101 | 0 | [1, 4] |
| 0110, 6 | 7 | 0110 | 0101 | 0 | [4, 3] |
| 1110, 3 | 8 | 1110 | 0101 | 0 | [3, 1] |