P1

a.

|  |  |
| --- | --- |
| Destination | Interface |
| H3 | 3 |

b.

No, because there is no forwarding based on the start address.

P4

Minimal number：3

Largest number：3

P6

|  |  |
| --- | --- |
| Range | Interface |
| 0000 0000到0011 1111 | 0 |
| 0100 0000到0101 1111 | 1 |
| 0110 0000到1011 1111 | 2 |
| 1100 0000到1111 1111 | 3 |

Interface 0: 64

Interface 1: 32

Interface 2: 96

Interface 3: 64