22-S2 - Q2

Q: (a) $\rightarrow$ $\leftarrow$
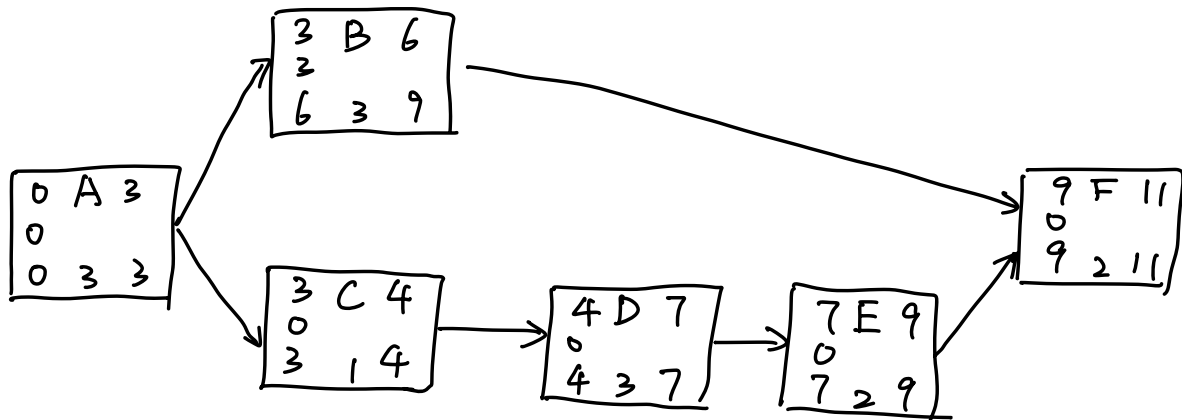
(b) merge burst

(c) C p

(d) initial resource loading change

(e) Redraw

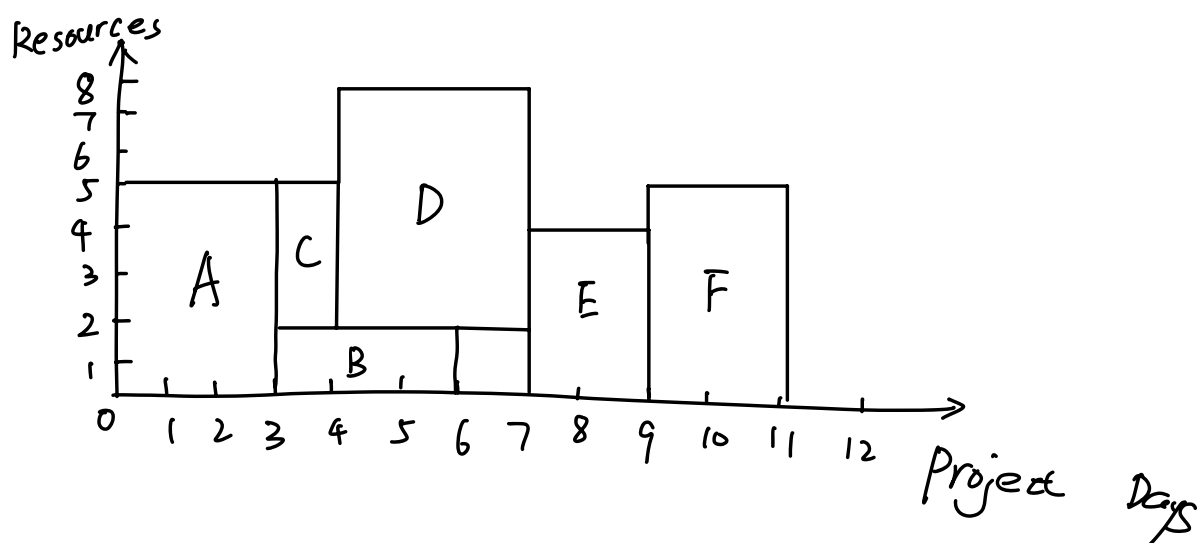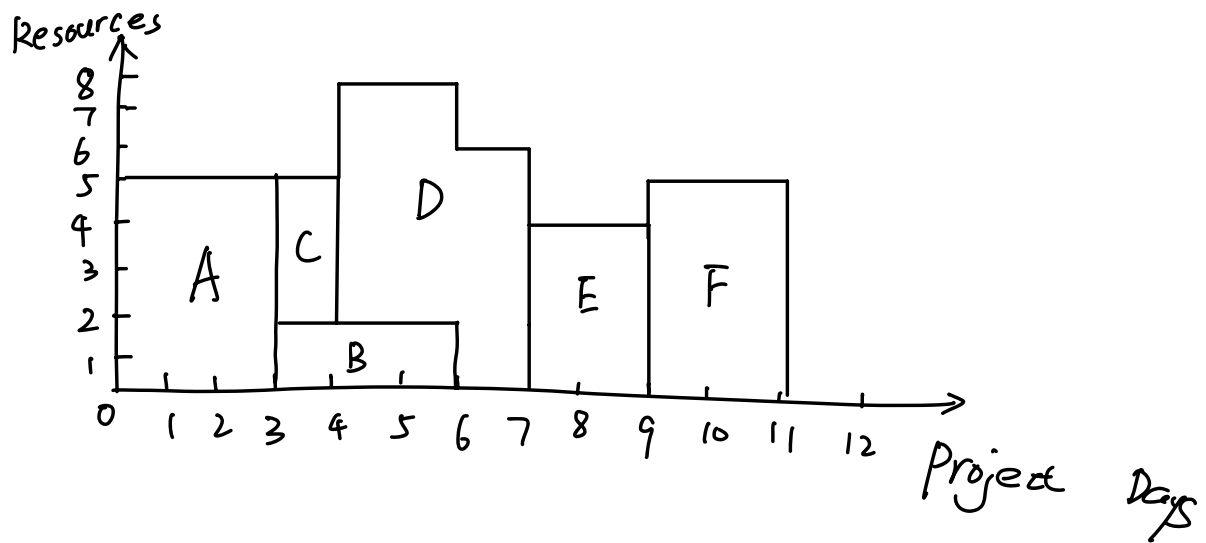Solution (a)

```
        ┌─────────┐
        │ 3  B  6 │
        │ 2       │
        │ 6  3  9 │
        └─────────┘
┌─────────┐                         ┌─────────┐
│ 0  A  3 │                         │ 9  F  11│
│ 0       │                         │ 0       │
│ 0  3  3 │                         │ 9  2  11│
└─────────┘                         └─────────┘
        ┌─────────┐  ┌─────────┐  ┌─────────┐
        │ 3  C  4 │  │ 4  D  7 │  │ 7  E  9 │
        │ 0       │  │ 0       │  │ 0       │
        │ 3  1  4 │  │ 4  3  7 │  │ 7  2  9 │
        └─────────┘  └─────────┘  └─────────┘
```

(b) merge: F

   burst: A

(c) critical path: A – C – D – E – F

(d) Resource Loading Chart

Resources

8
7
6
5 — A | C | D | | E | F
4
3
2 — B
1

0 1 2 3 4 5 6 7 8 9 10 11 12 Project Days

(e)

Resources

8
7
6 — D
5 — A | B | B | F
4 — C | E
3
2
1

0 1 2 3 4 5 6 7 8 9 10 11 12 Project Days