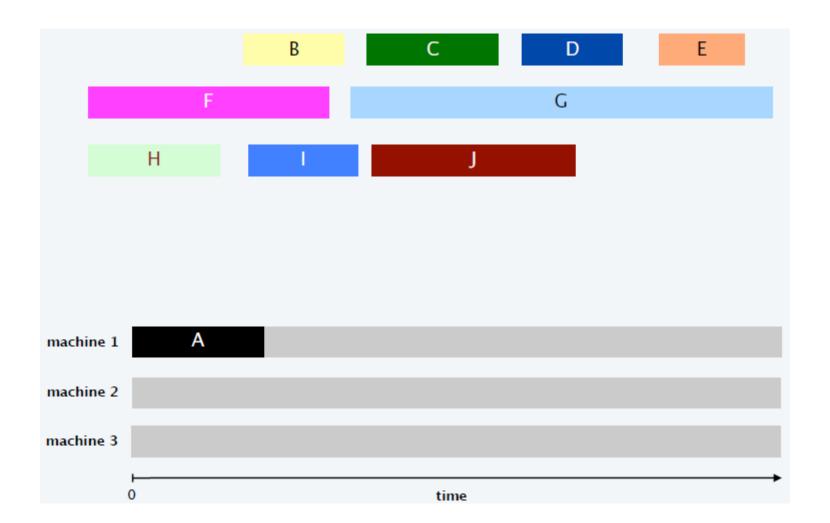
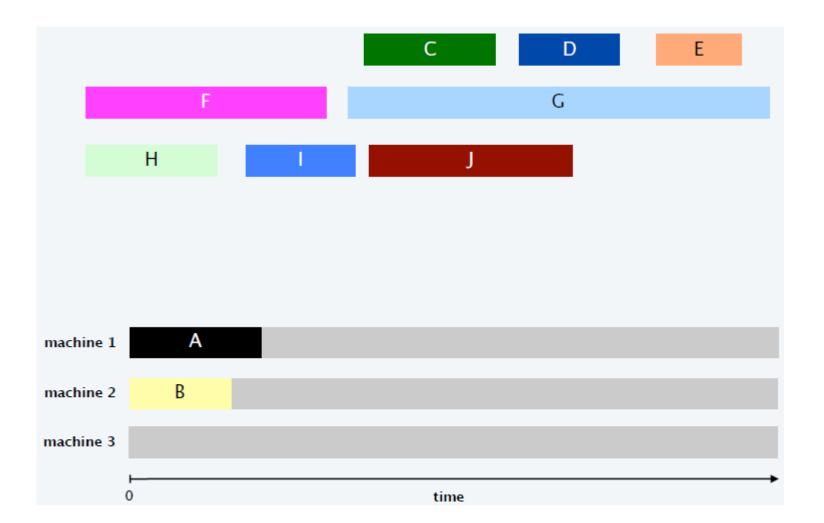
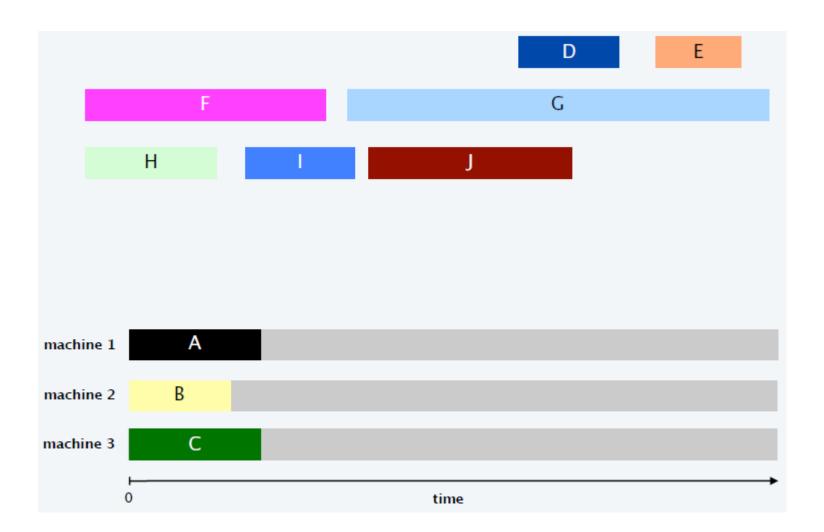
1. 根据List-Scheduling算法求解如下负载平衡问题。

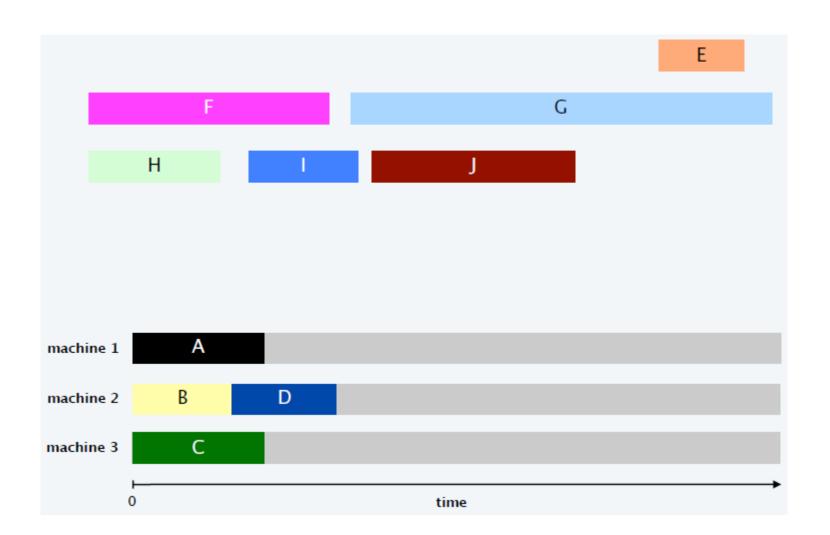
```
List-Scheduling (m, n, t_1, ..., t_n)
For i = 1 to m
   L[i] = 0.
                                                  Н
   S[i] \leftarrow \emptyset.
                                        machine 1
For j = 1 to n
                                        machine 2
   i \leftarrow argmin_k L[k].
                                        machine 3
   S[i] \leftarrow S[i] \cup \{j\}.
                                                                            time
   L[i] \leftarrow L[i] + t_i.
```

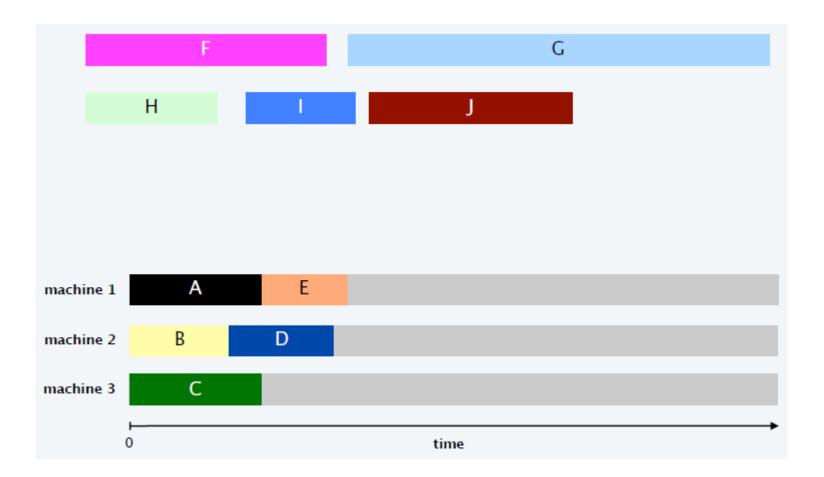
Return S[1], S[2], ..., S[m].

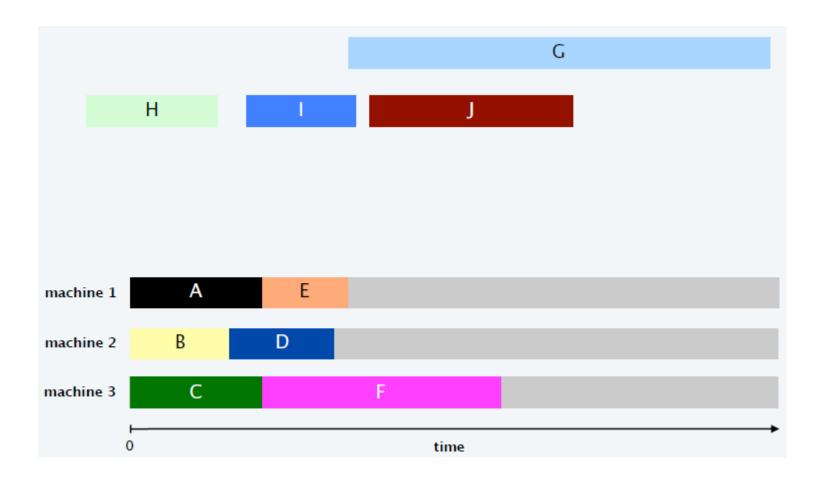


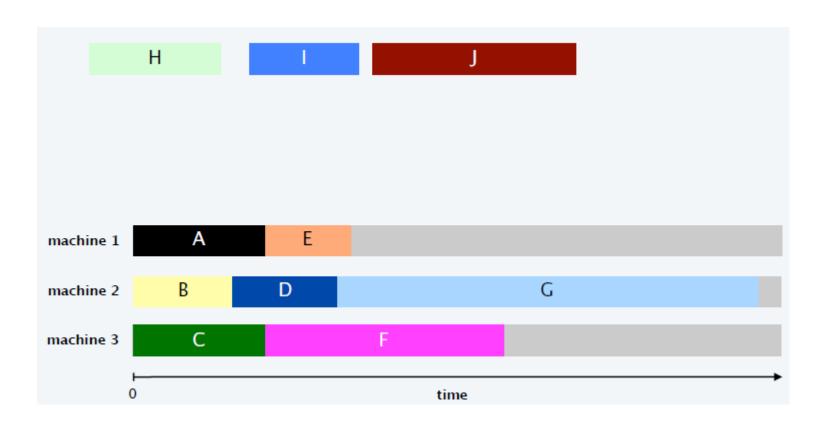


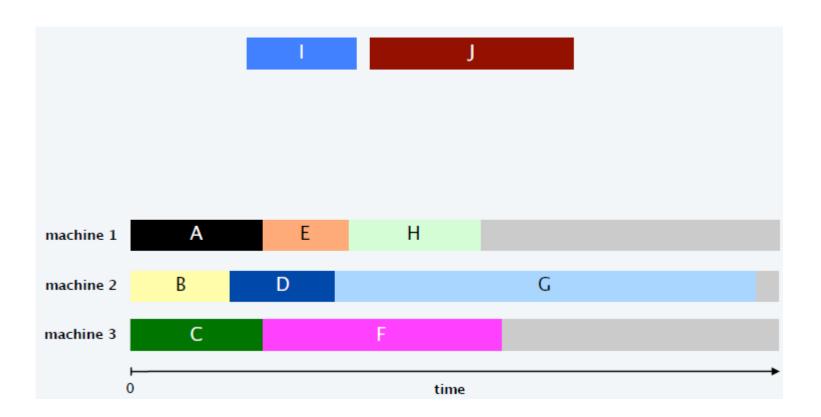


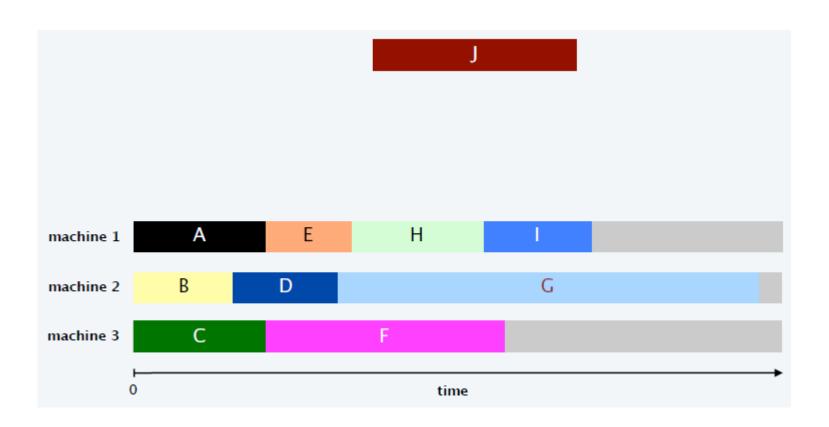


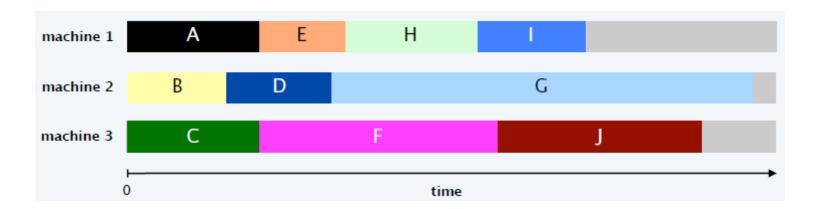


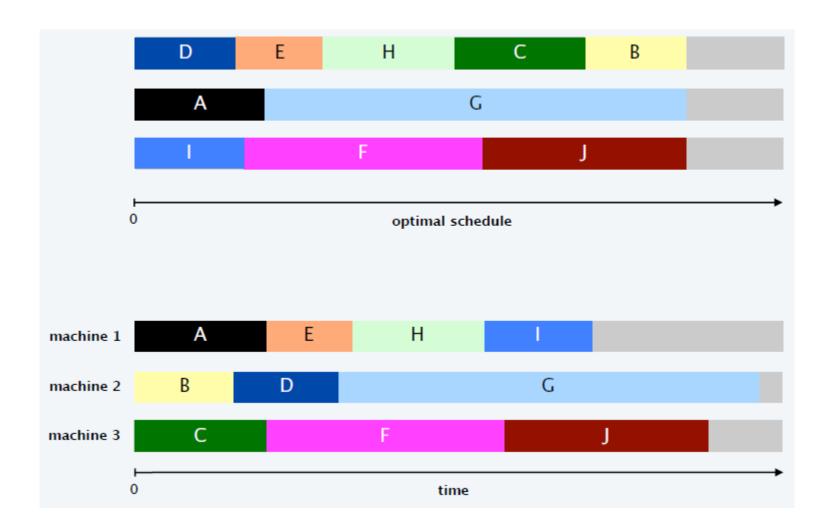












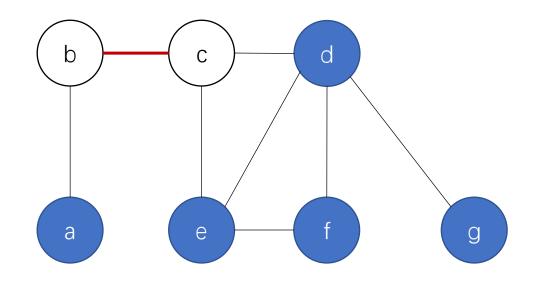
## 根据VCOVER-APPROX算法找出下图的一个顶点 覆盖。

VCOVER-APPROX算法 е

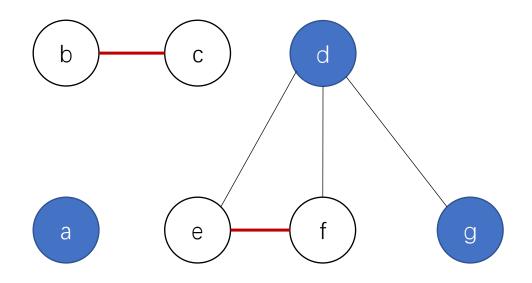
输入: 无向图 G=(V, E)

输出: G的一个顶点覆盖C

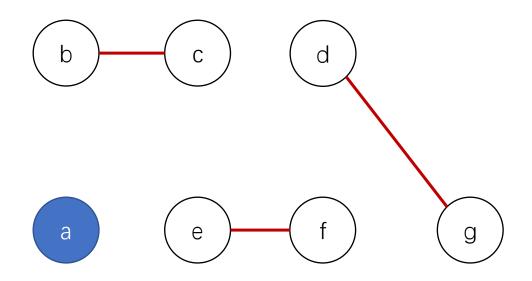
- 1. C ← { }
- 2. while  $E \neq \{\}$
- 设 e=(u, v)为E中的任意边 3.
- $C \leftarrow C \cup \{u, v\}$
- 删除 e 和 E中所有与u和v相关联的边
- 6. end while



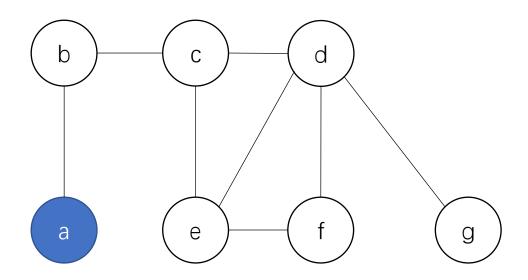
选择(b,c)边,并删去b、c所连接的边



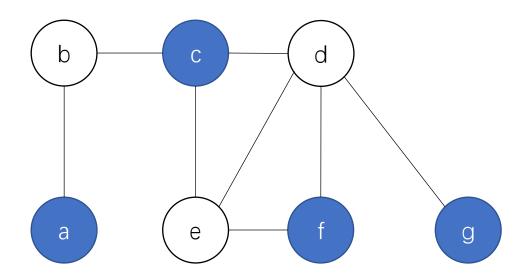
选择(e,f)边,并删去e、f所连接的边



选择(d, g)边



产生一个覆盖: b, c, d, e, f, g



最小覆盖为b, d, e