**匈牙利：二分图匹配**

**int dfs(int now) {**

**for (int i=head[now];i;i=next[i])**

**if (!vis[v[i]])**

**{**

**vis[v[i]]=1;**

**if (!link[v[i]] || dfs(link[v[i]]))**

**{ link[v[i]]=now; return 1; }**

**} return 0; }**

**// Main()**

**for (int i=1;i<=m;i++)**

**{memset(vis,0,sizeof(vis)); if(dfs(i)) ans++;}**

**for (int i=m+1;i<=m+n;i++)**

**if (link[i]) printf("%d %d\n",link[i],i);**

**// 左半张图为1~m；右半张图为m+1~m+n**