零基础三小时搞定数据库期末考试1：

<https://www.bilibili.com/video/BV1L4411K7FP?from=search&seid=2531209182762073859>

ER图：

<https://wenku.baidu.com/view/551bf062a417866fb84a8e4b.html?qq-pf-to=pcqq.group>

分解：三范式＋BC范式

<https://www.bilibili.com/video/BV1eE411a79r?p=1&share_medium=ipad&share_plat=ios&share_source=QQ&share_tag=s_i&timestamp=1598950192&unique_k=DvFYTA>

注：up主没说明白，他用的依赖集好像是最小依赖集

最小依赖集求解：

<https://www.bilibili.com/video/BV1pE411P7ab/?p=2>

注：这个up主视频都蛮好的，讲的很清楚，可以点进主页看其他的题求解过程

Csdn：

多值依赖与4NF：

https://blog.csdn.net/smstong/article/details/5599490?ops\_request\_misc=%257B%2522request%255Fid%2522%253A%2522159895918019195162142458%2522%252C%2522scm%2522%253A%252220140713.130102334.pc%255Fblog.%2522%257D&request\_id=159895918019195162142458&biz\_id=0&utm\_medium=distribute.pc\_search\_result.none-task-blog-2~blog~first\_rank\_v2~rank\_blog\_default-1-5599490.pc\_v2\_rank\_blog\_default&utm\_term=%E5%A4%9A%E5%80%BC%E4%BE%9D%E8%B5%96&spm=1018.2118.3001.4187

函数依赖与多值依赖：

https://blog.csdn.net/smstong/article/details/5599609?ops\_request\_misc=%257B%2522request%255Fid%2522%253A%2522159895918019195162142458%2522%252C%2522scm%2522%253A%252220140713.130102334.pc%255Fblog.%2522%257D&request\_id=159895918019195162142458&biz\_id=0&utm\_medium=distribute.pc\_search\_result.none-task-blog-2~blog~first\_rank\_v2~rank\_blog\_default-2-5599609.pc\_v2\_rank\_blog\_default&utm\_term=%E5%A4%9A%E5%80%BC%E4%BE%9D%E8%B5%96&spm=1018.2118.3001.4187

关系代数优化：语法树优化  
https://blog.csdn.net/qq\_38258510/article/details/105974908

关系数据库的三大范式以及BCNF范式

https://blog.csdn.net/jsj13263690918/article/details/79796275  
  
数据库之关系模式的分解(小結)

https://blog.csdn.net/qq\_26769591/article/details/60323493

数据库中的范式和多值依赖

<https://blog.csdn.net/legendaryhaha/article/details/80032808>：