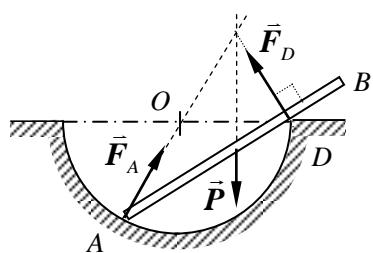


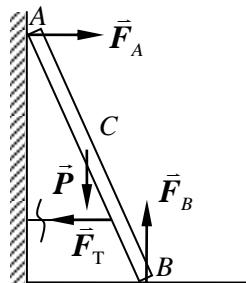
第一篇 静力学

一、静力学公理和物体的受力分析

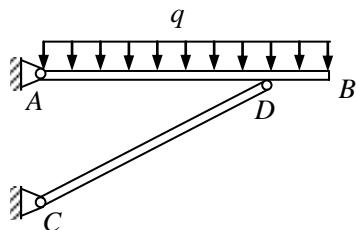
1.1 下列习题中假定接触处都是光滑的，物体的重量除图上注明者外均略去不计。画出下列指定物体的受力图。



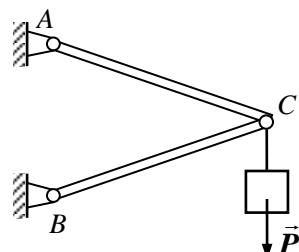
(a) 杆 AB



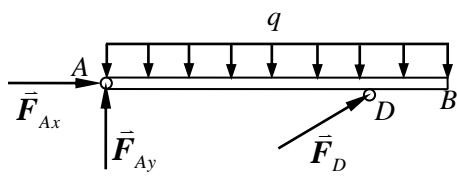
(b) 杆 AB



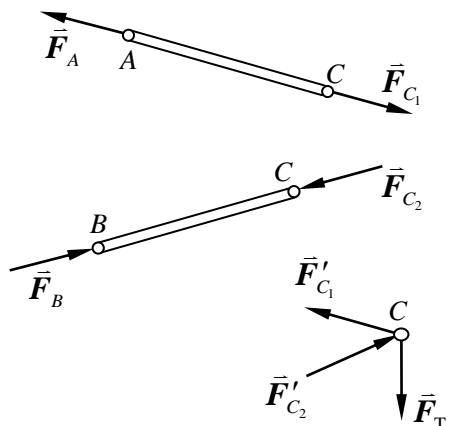
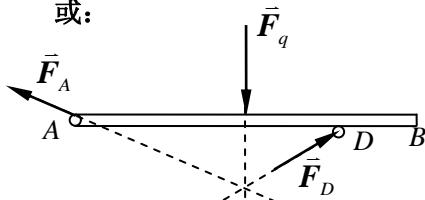
(c) 杆 AB

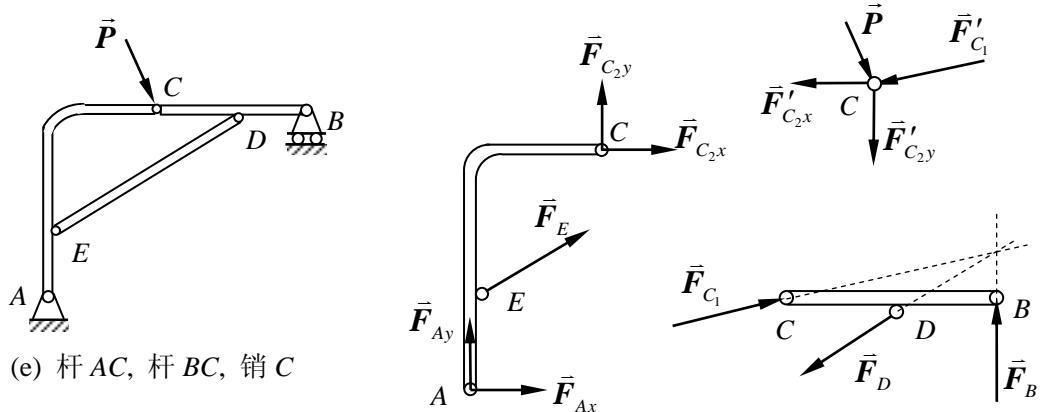


(d) 杆 AC, 杆 BC, 销 C

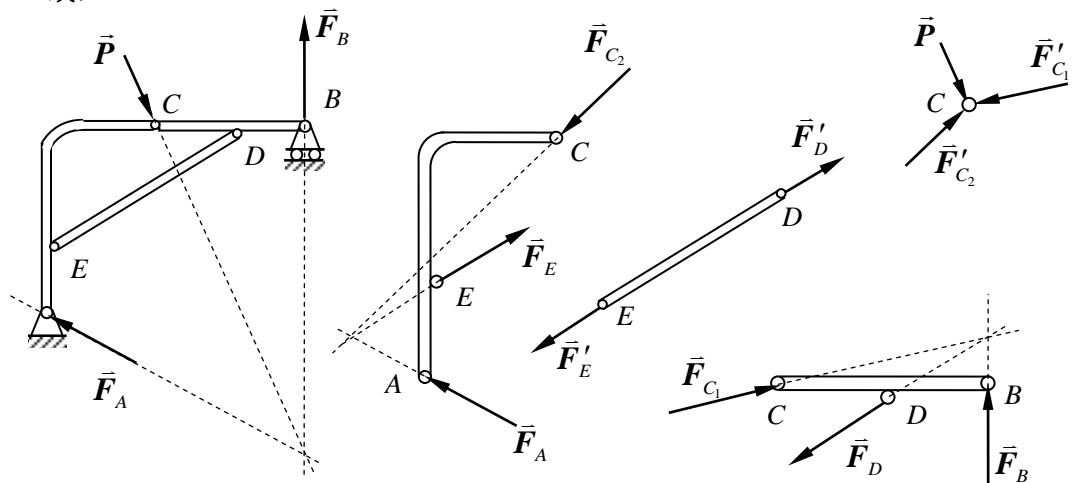


或:

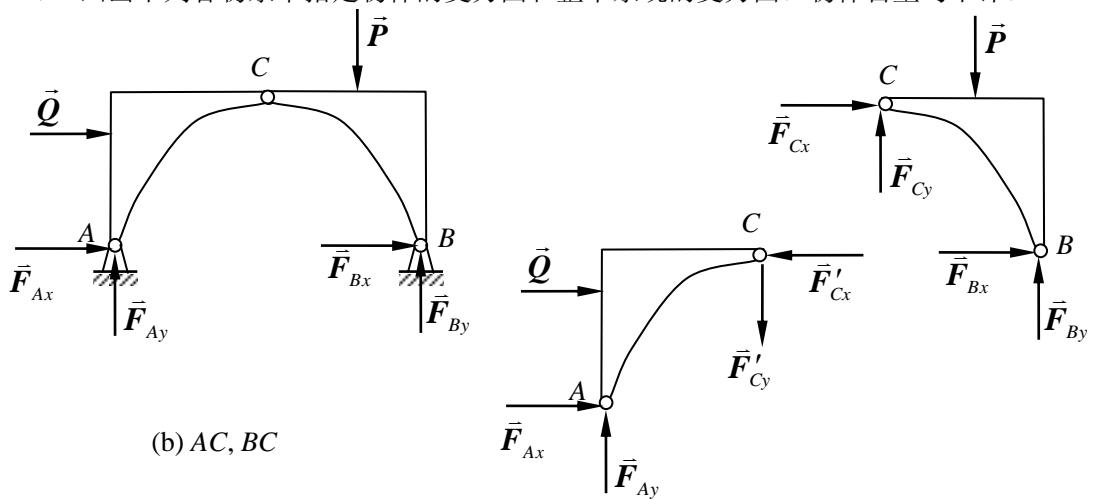


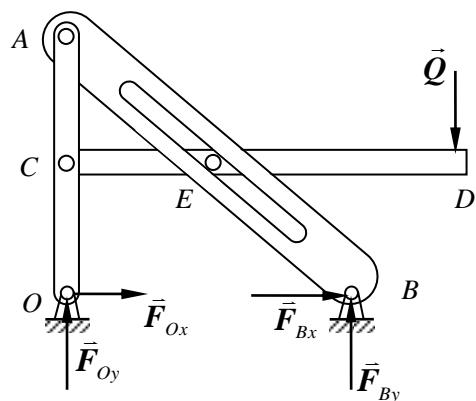


或:

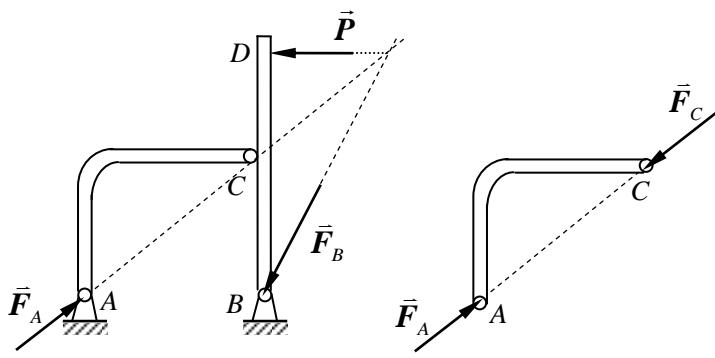
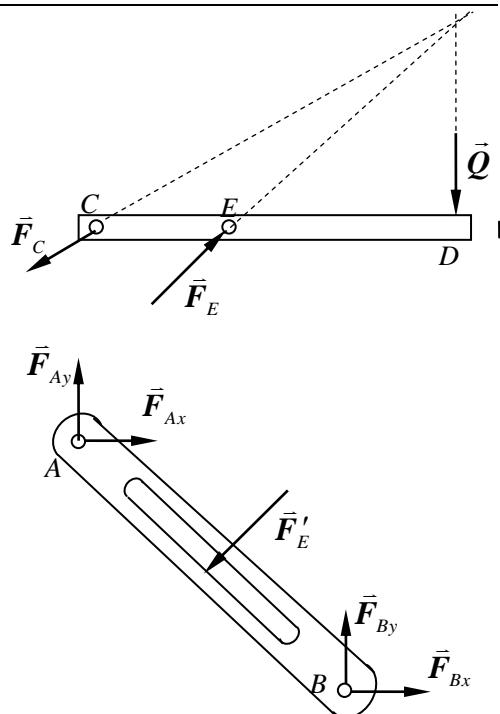


1.2 画出下列各物系中指定物体的受力图和整个系统的受力图。物体自重均不计。

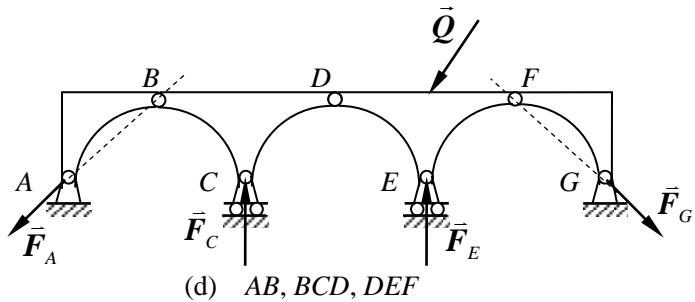
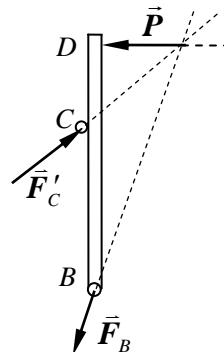




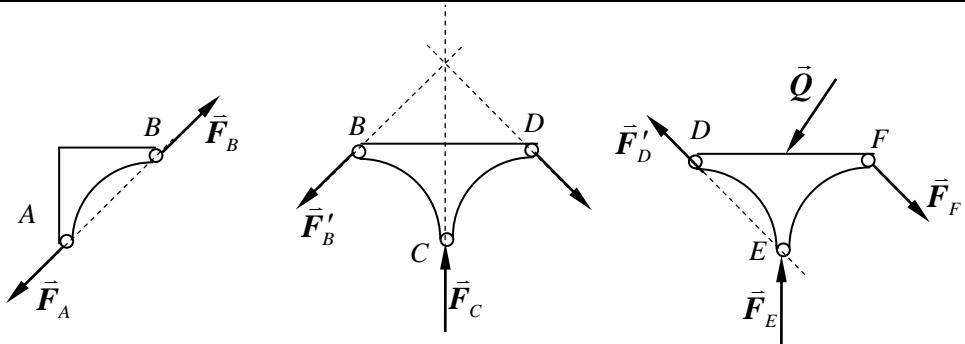
(a) AB, CD



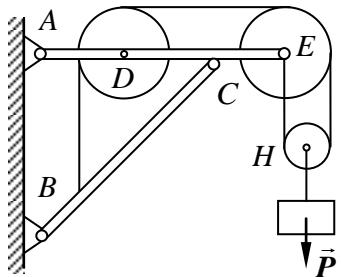
(c) AC, BD



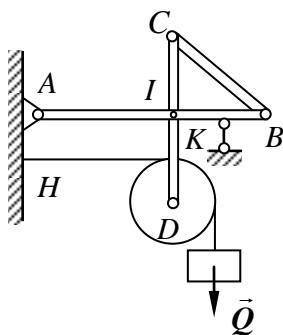
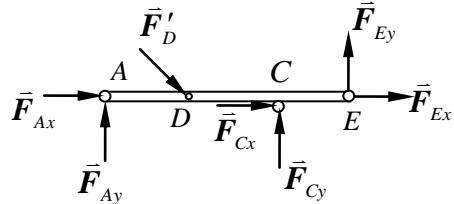
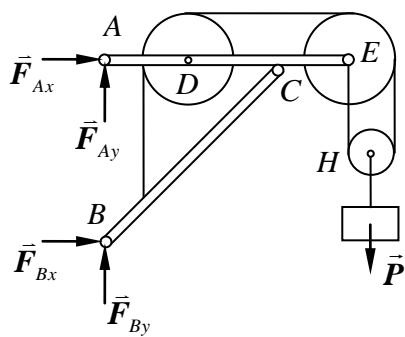
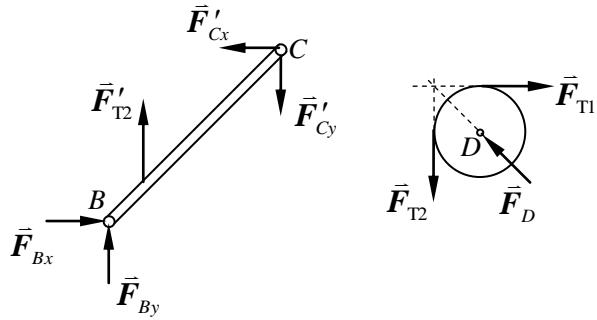
(d) AB, BCD, DEF



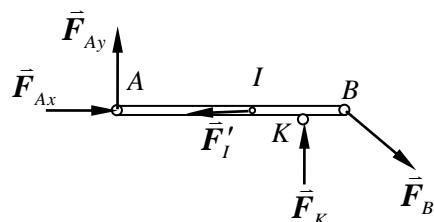
1.3 如图所示各构架中,除标识重物外,各构件自重均不计,画出下列各物系中指定物体的受力图和整个物系的受力图。

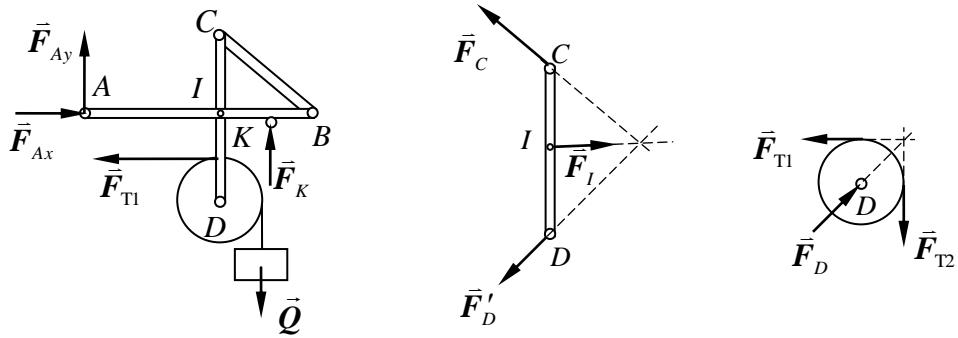


(a) 杆 AE, BC 和轮 D

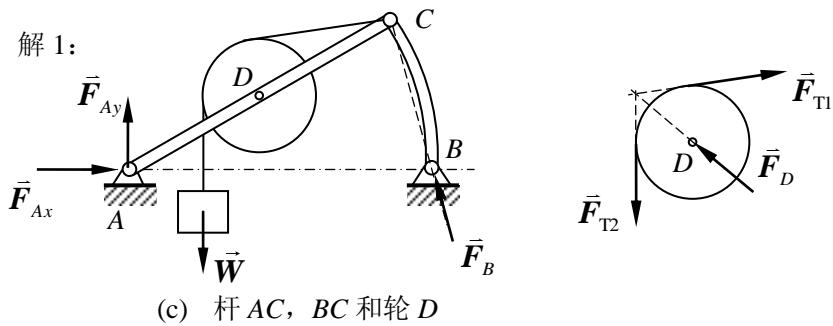


(b) 杆 AB, CD 和轮 D

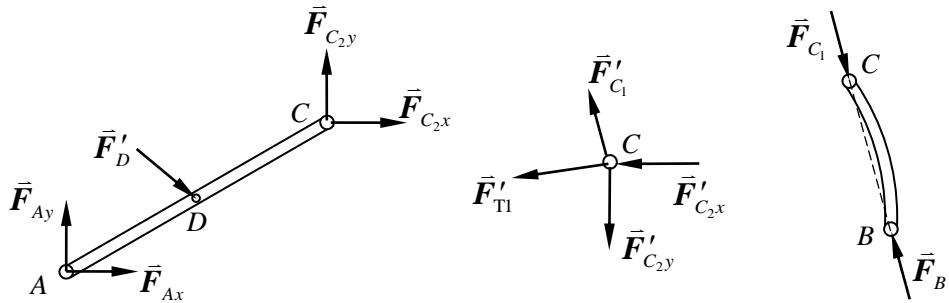




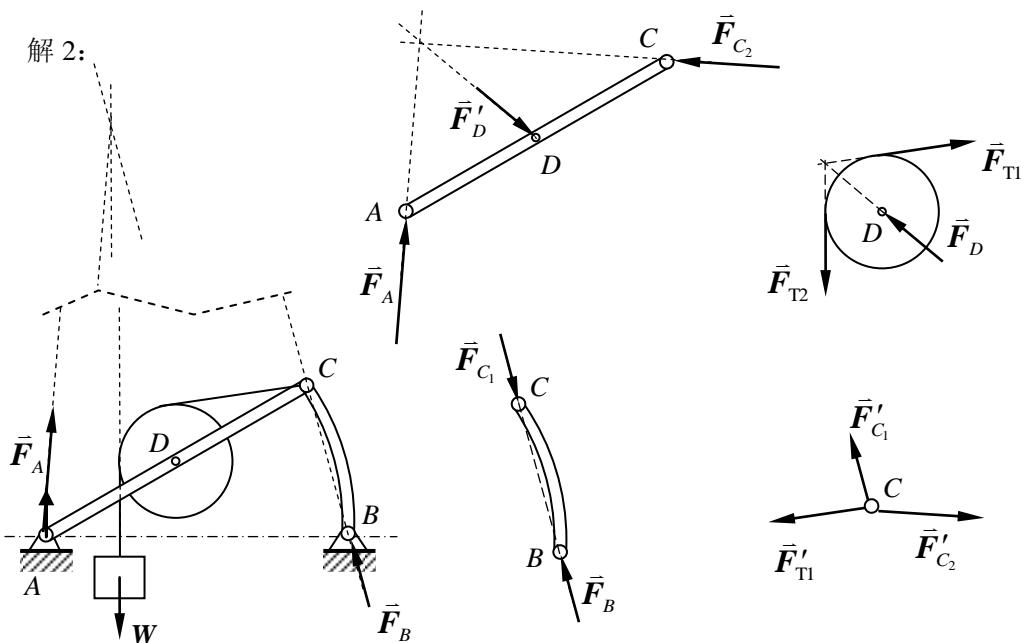
解 1:



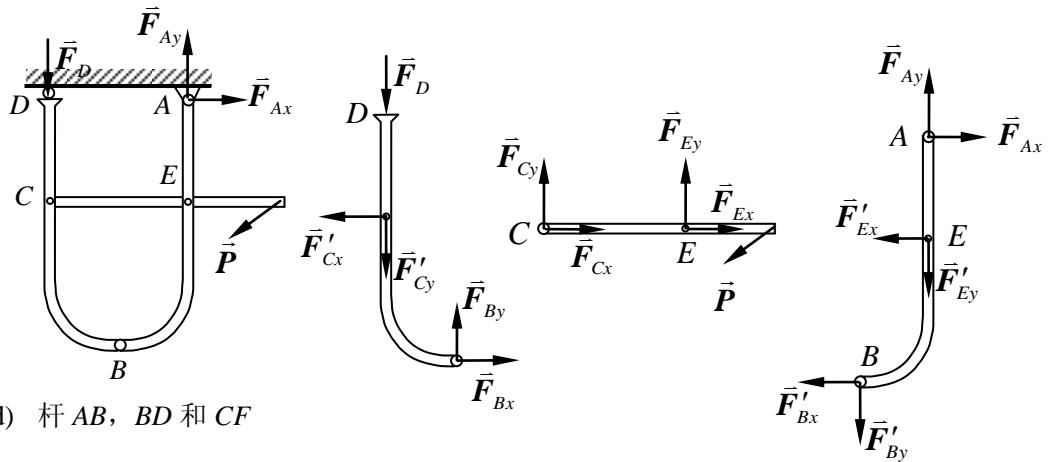
(c) 杆 AC, BC 和轮 D



解 2:



解 1:



解 2:

