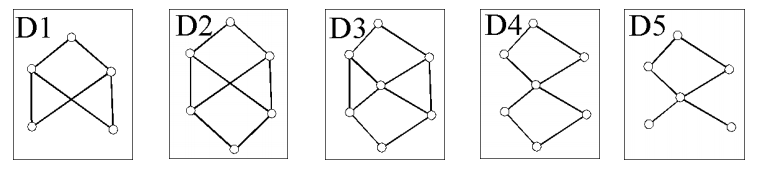
Klausuraufgaben zu Relationen

# I00

3. Aufgabe: Relationen (max. 10 Punkte)

a) Was ist eine Hasse Diagramm? ( max. 3 Punkte)

b) Welches der folgenden Diagramme ist kein Hasse-Diagramm? ( max. 3 Punkte)

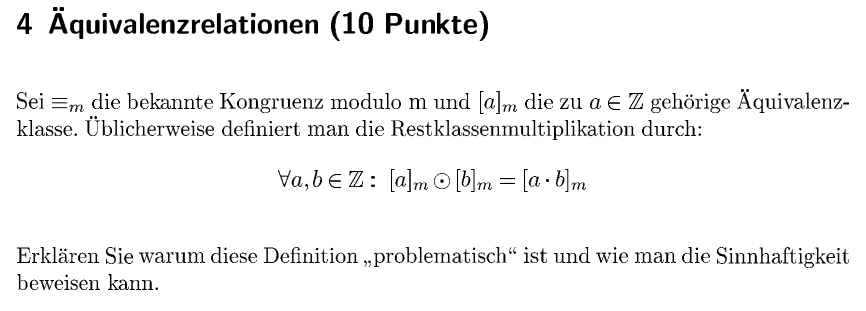


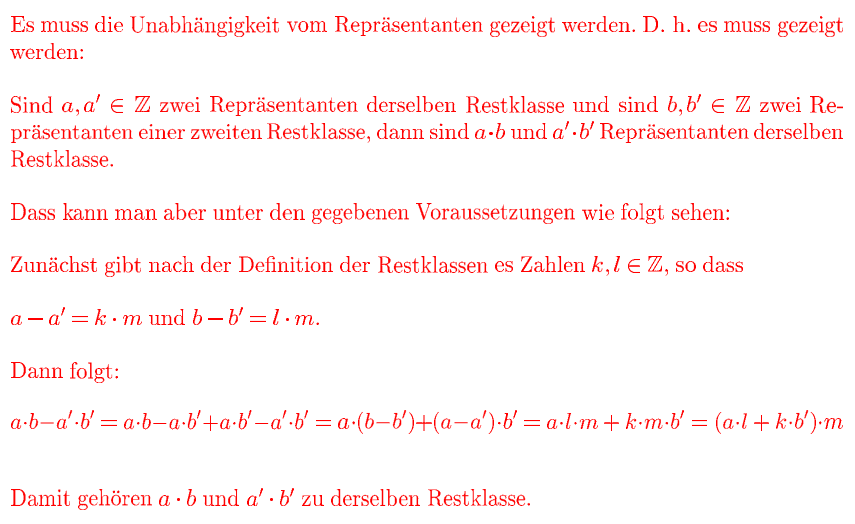
c) Zeichnen Sie ein Hasse-Diagramm für die Ordnungsrelation „a teilt b“ für die

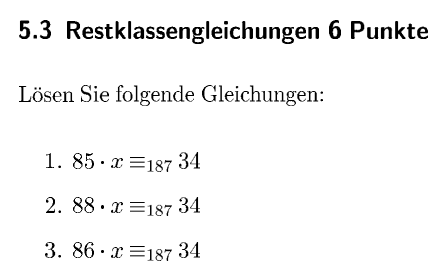
folgende Menge von natürlichen Zahlen ( max. 4 Punkte)

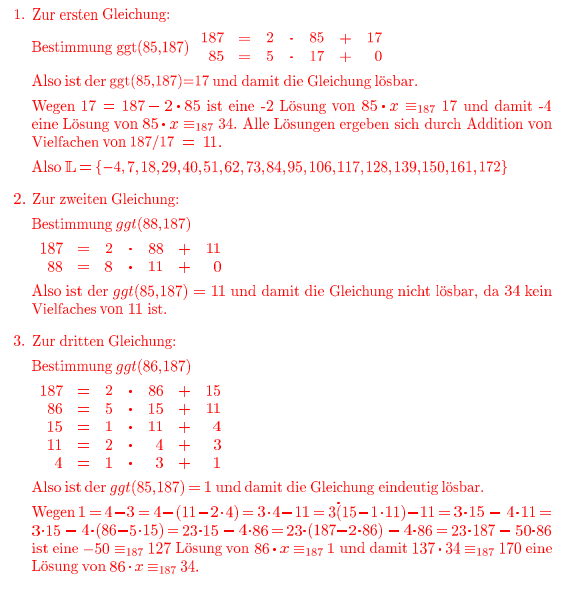
M = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15}

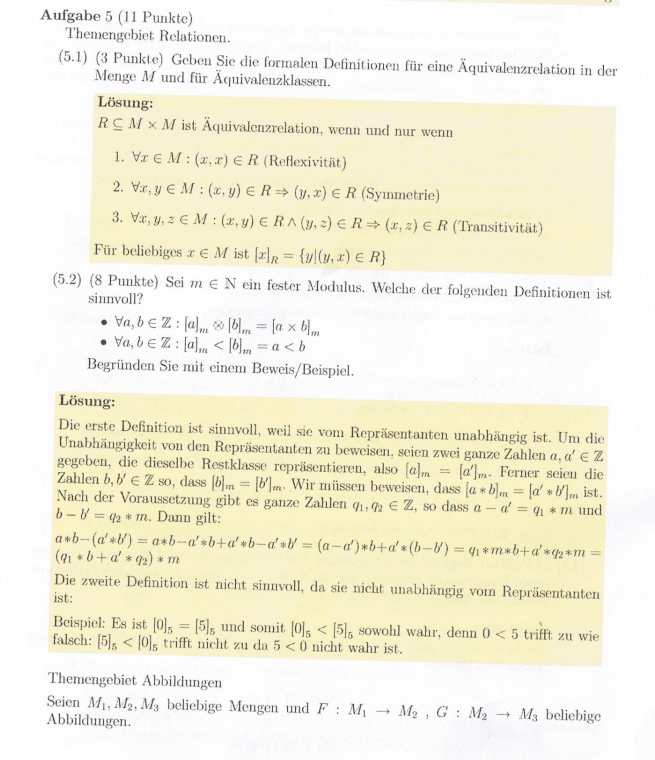
# I04

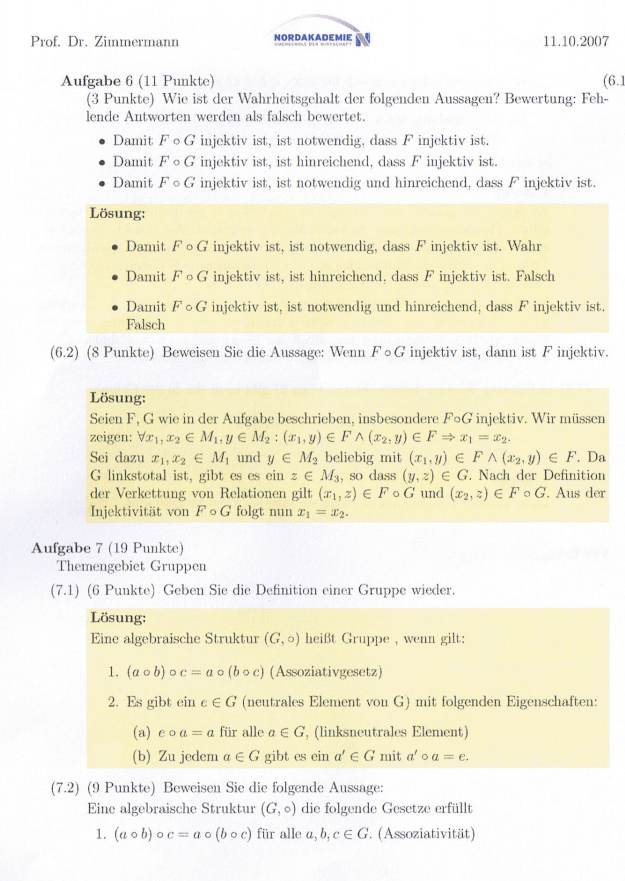


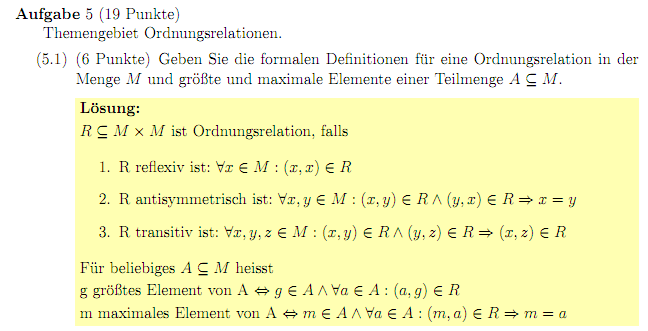
Lösung:  




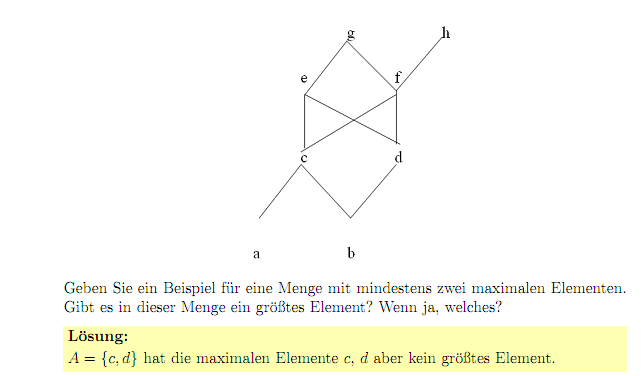


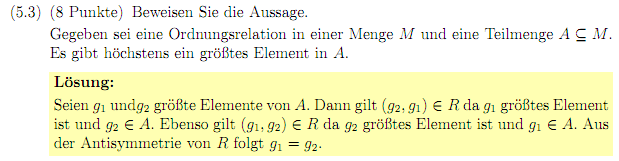


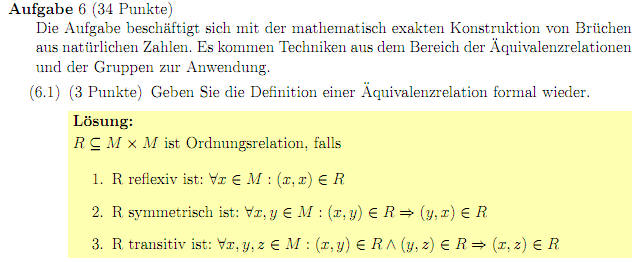


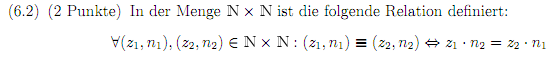
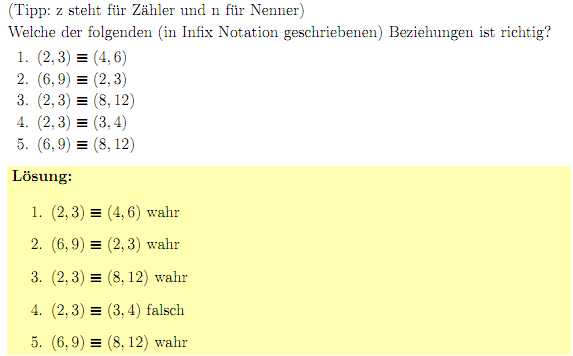


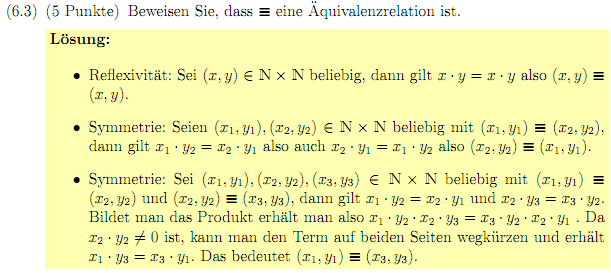


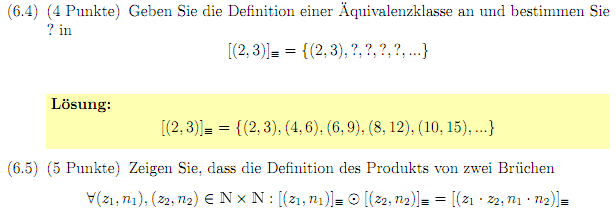
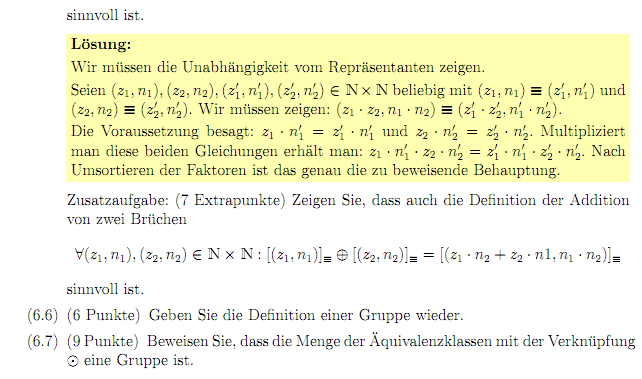


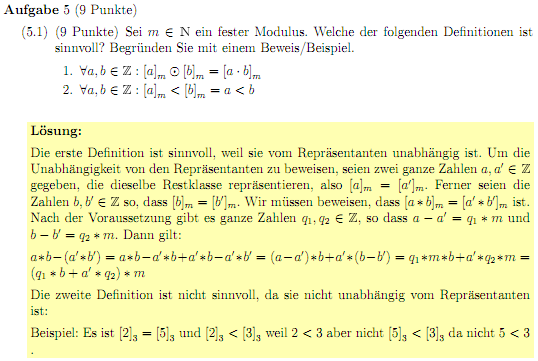


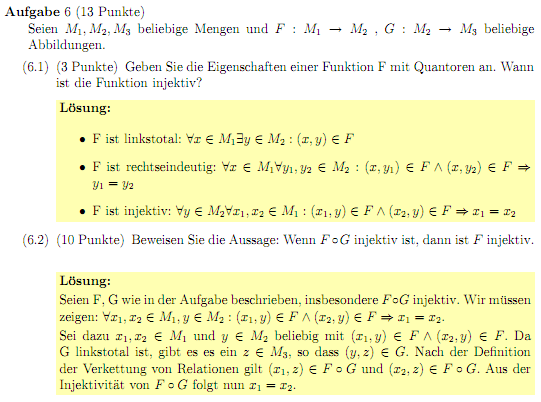


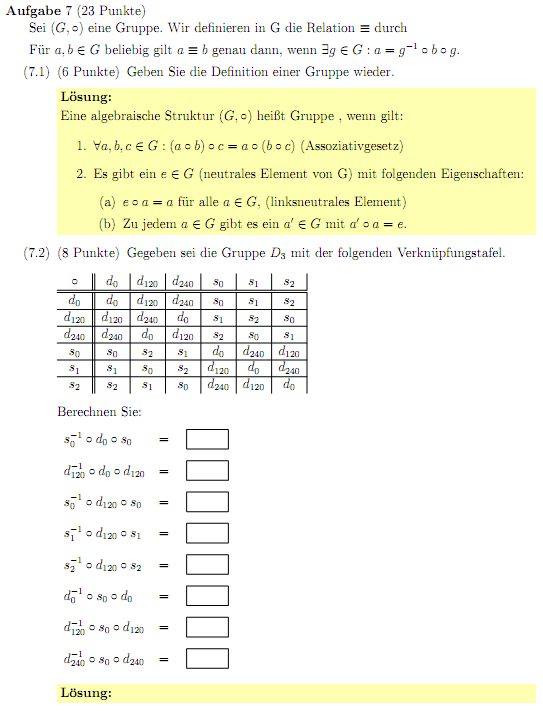
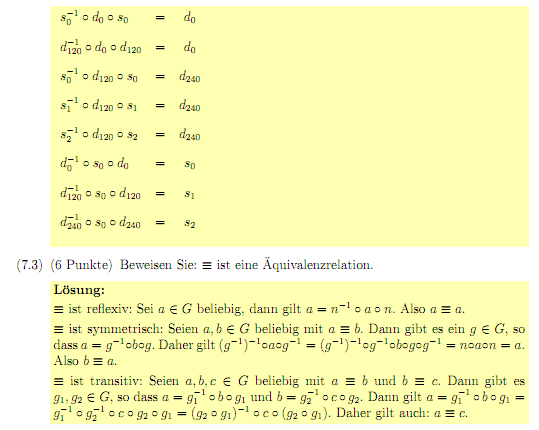
  


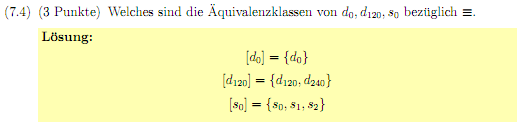


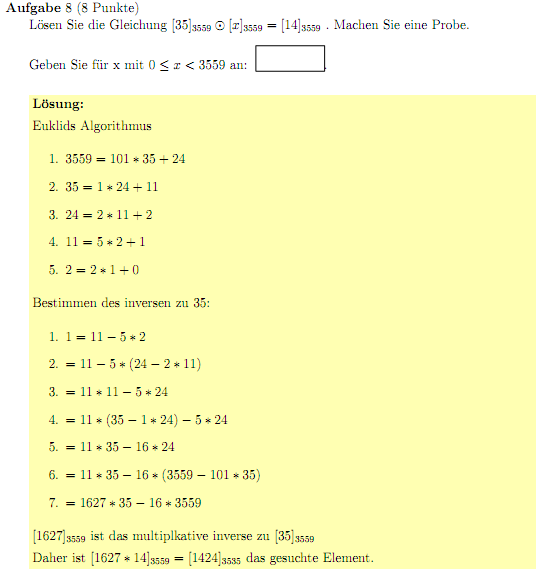
  






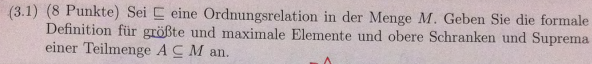
  


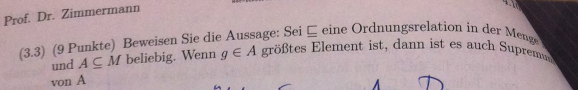
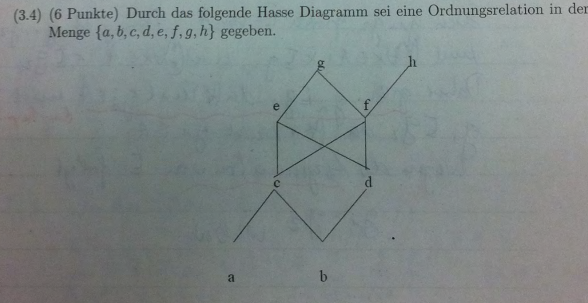
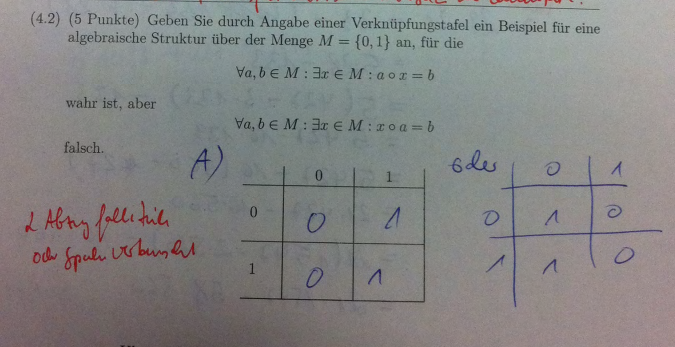
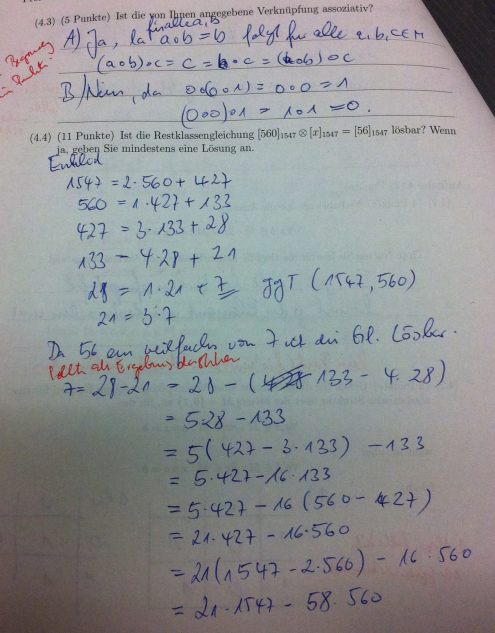
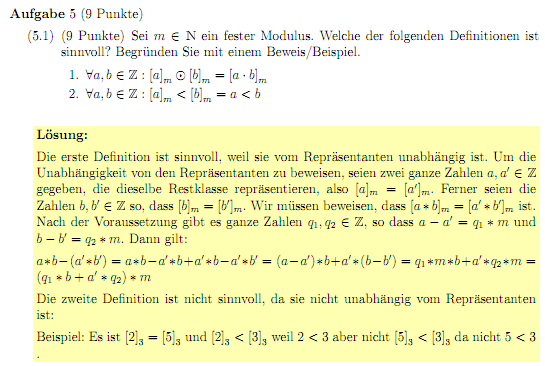




Weitere Aufgaben:

1. Mathe Klausur I09.pdf – Aufgabe 3 – Definition der maximalen Elemente, oberen Schranken und Suprema



1. 
2. 
3. 
4. 
5. 
6. 
7. 