

Departement Informatik

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**37-847 Informatik****Musterlösung 2****WS03/04****1) Handarbeit**

a)  $6 * 2 - 11 \% 3 * 2 + 3 =$   
 $12 - 2 * 2 + 3 = 11$

b)  $6 / 7 * 2 * 5 =$   
 $0 * 2 * 5 = 0$

c)  $5 * 2 / 3 * 2 =$   
 $10 / 3 * 2 = 3 * 2 = 6$

d)  $3 * 7 * 2 / 5 =$   
 $21 * 2 / 5 = 42 / 5 = 8$

e)  $7 / 3 * 1.5f - 1 =$   
 $2 * 1.5f - 1 = 3.0f - 1 = 2.0f$

f)  $5.0e7f - 5 / 2.0 * 1.0e8 =$   
 $5.0e7f - 2.5 * 1.0e8 = 5.0e7f - 2.5e8 = -2.0e8$

g)  $3 * 5 < 15 \ \&\& \ 11 == 2 * 5 + 1 \ || \ 1 > 5 / 6$   
 $15 < 15 \ \&\& \ 2 * 5 + 1 \ || \ 1 > 0 = \text{false} \ \&\& \ ?? \ || \ \text{true} = \text{false} \ || \ \text{true} = \text{true}$

h)  $6 / 3 > 2 \ || \ 1.0 / 0.0 != 0.0 \ \&\& \ 2 + 3 < 5.5f \ || \ 2 < 8 + 0.876$   
 $2 > 2 \ || \ 1.\#INF != 0.0 \ \&\& \ 5 < 5.5f \ || \ 2 < 8 + 0.876 =$   
 $\text{false} \ || \ \text{true} \ \&\& \ \text{true} \ || \ ?? = \text{false} \ || \ \text{true} \ || \ ?? = \text{true}$

i)  $0 == '0' ? 2 + 3 : 2 - 3 =$   
 $\text{false} ? 5 : -1 = -1$