1.14) Rechenregelu für Mengenoperationen
Wommutativasetze MNN=NNM MUN=NUM
MNN=> XEMAXEN=XENAX6M->NNM
MUN=> x6Mux6N= x6Nux6M=> NUM
D Assoziativgasetze (MNN) NO = 10 (NNC)
(MNN) NC => & & MAXEN) AX & O = X & MAX & O = X & MAX & O = X & MAX & O => MN (NNO)
(1UN)UO => (x6M x6N) x60 = x6M x6N x6N x6N = x6M x(x6N x60) => MU(NUO)
Distributinges etze MN(NUO)=(MNN)U(MNC) MU(NNO)=(NUN)N(MUO)
MU(NOO) => xem(xen vxeo) = (xem xon) dxe maxe o) => (nn) U(MOO)
MU(NNO) => XENV(XEN/XEO) = (XENVXEN) N(XEM VXEO) => (MUN) N (MUU).
Nomplement des Vomplements 7=1
sei A=xeM
T => = (A) = A = x 6 /9 => M
Regels von de Morgan MAN- MUN TUN = MAN .
MN => 7(x6M) 1(x6N) => 7(x6N) +7(x6N) => MUN
MUN => > (x=M) ((eN)) -> > (x=M) ~ > (x=N) => MNN