The original binary number... is denoted as (x, ... x, x, x,).2. , where x = 0 or 7. By complementing all bits... we get. where Xk+ Yk = 1... (/ /2 /₁ /₀)₂ means adding humber Adding one ([0] ... [0] [0] [1) Adding all three numbers means $(X_{1}, X_{2}, X_{1}, X_{0})_{2}$ · (Ym ... /2 /1 /0) 2 + (0 ... 0 0 1), The rightmost column Xot Yot 1 is 0 and an overflow bit moves left. The second column from right, s. x, + y, + 1, where 1 is the previous overflow bit equals to 6 and an overflow b; L moves left. The kith column is similar, Xx + 1x + 1 equals to 0 and an overflow bit moves left. Therefore, only the (4+1): +4 column equals to 1 (last overflow) and all other bits are zero. (n+1) is a sign bit, therefore BRUNNEN 图 (xn ... x2 x, x0)2+(yn /2 /1 /0)2=000