m = 10 kg water m = 10 kg ise  $T = 20^{\circ} (= 293, 15 \text{ k})$   $T = -10^{\circ} (= 263, 15 \text{ k})$ reservoir: T = -10°C = 263,15K

constant ressure: dP=0 ('p, water = 4/80 flg "K" Cp, ice = 2090 / kg-1/-1 7 00.1044

AS= ASystem + ASsurgandings=7099 KT