Exact Penalty Function Q(X; N) = X + N max (0, -X) letting N>1 if x>0 ≥ Q(x)=x P X<0 → Q(x)= X-NX>0 if x=0 ⇒ Q(x)=0 i. the minimizer of Q is x=0, which is feasible in the constrained problem (3) .. the non-squared penalty function is exact