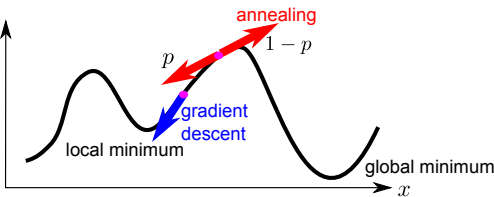
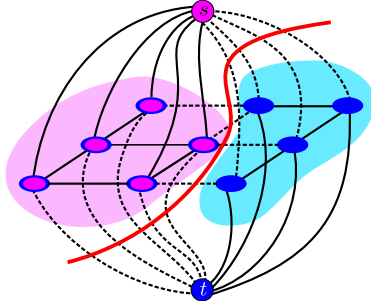


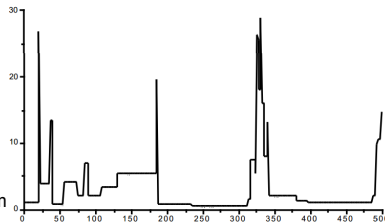
$x_s = \operatorname{argmax} P(x_s | x_{\mathcal{N}(s)})$
 iterated conditional modes
 = coordinate gradient descent



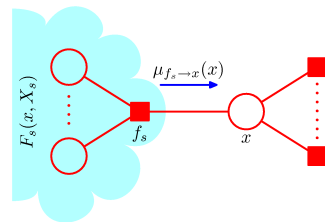
simulated annealing: non-zero
 probability of going uphill



graph cuts: $\min(E) = \min(\text{Cuts})$
 = maxflow global optimum for
 2 classes



sampling from $P(X|Y)$ to
 approximate posterior



And many other methods:
 belief/expectation propagation,
 Viterbi,...