Let X be a sample from the r.v. whose density function is g(x)
 Generate a U(0,1) sample, U, and let Y = Uh(X)
 If Y ≤ f(X), i.e. if U ≤ f(X)/2 = f(X)/2, where U = (0,1), then

AR Algorithm:

accept X; otherwise reject it and start again.
It's a "dart throwing" exercise (Monte Carlo simulation).
By construction, the samples X and Y define a point that lies

under h(X); if (X,Y) lies under f(X) as well we accept X.