```
function v_stall = stall_velocity(aircraft,h)
% STALL VELOCITY Computes the stall velocity below which, lift
   becomes less than weight.
   Inputs are:
응
   aircraft :a struct aircraft data in SI
        :a numeric array of 1xN aircraft altitude in m
응
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  Output is:
            :a numeric array of 1xN stall velocity in m/s
  v stall
   arguments
       aircraft {mustBeA(aircraft, "struct")}
       h (1,:) {mustBeNumeric, mustBeReal}
   end
   W = aircraft.W;
   S_w = aircraft.S_w;
   Cl max = aircraft.Cl max;
    [\sim, \sim, \text{rho}] = \text{stdatm(h)}; % atmospheric density at altitude (kg/m^3)
   v stall = sqrt(2.*W./(rho.*S w.*Cl max));
end
```