Design of tower height :

Steps:

1 .The enthalpy of saturated air is plotted Vs on H *Vs* T plot.

Where pAs is saturated temperature at calculate from Antoine equation.

2. It is calculated from the following formula :

3. By knowing entering air conditions (wet bulb temperature and dry bulb temperature) we can find its enthalpy by the above formula.(from step 2).This point is marked as (,)

4. The operating line is plotted with a slope of L/G and end at point (thus we get )

5. Now the values of 1/( – ) Vs and the area under the curve is found graphically or by numerical integration.