```
clc;

q = input('enter "q" in KPa:  ');

h = input('enter "clay layer height" in Meter:  ');

c = input('enter "Cv" in m^2/day: ');

t = input('enter "T" in day:  ');

H = h/2;  %both top & bottom drainage

T = c*t / H^2;  %Time factor

for z = 0:0.1:H

    m = 0;

    U = 0;

    n = 1;

    while n >= 0.00001

        M = (2*m+1) * pi / 2;

        n = exp (-M^2 * T);

        U = U + (2*q/M) * sind (M*z/H) * n;

        m = m + 1;

    end

end
```