```
function [t, w] = Ralston(f, a, b, N, alpha)

syms t y

h = (b - a)/N;
t(1) = a;
w(1) = alpha;

for i = 1:N

K1 = h*f(t(i), w(i));
K2 = h*f(t(i) + (2/3)*h, w(i) + (2/3)*K1);

w(i+1) = w(i) + (1/4)*(K1 + 3*K2);
t(i+1) = a + i*h;

end
```

end