
```
function result = rk4(h,a,b,u_boundary)
n = (b-a)/h;%number of intervals
u = zeros(n+1,1);% initialising values of y1
u(1) = u_boundary;
x = a:h:b;
for i= 1:n
    k1 = f(x(i),u(i));
    k2 = f(x(i)+0.5*h,u(i)+0.5*h*k1);
    k3 = f(x(i)+0.5*h,u(i)+0.5*h*k2);
    k4 = f(x(i)+ h,u(i)+ h*k3);
    u(i+1) = u(i) + (1/6)*(k1 +2*k2 + 2*k3 +k4)*h;
end
result = u;
return
end
```

Not enough input arguments.

Error in rk4 (line 2)
n = (b-a)/h;%number of intervals

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