Integration using Simpson's 3/8 rule

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```
function I = s38_r(f, a, b, N)

h = (b-a)/N;
I = f(a)+f(b);

for i = 1:N-1

    if rem(i,3)==0
        I = I+2*f(i*h);
    else
        I = I+3*f(i*h);
    end

end

I = (b-a)*I*3/(8*N);

end
```

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