
```
%%Question 1b: Testing Rise Time function
t = 0:1e-4:10;
x = 2 * square(2*pi*1*t) + 2;
result_table = zeros(6,2);
possible_C = [.00047, .001, .0022, .0047, .01, .022]*10^(-6);
for i = 1:6
    data2 = sim_rc(x,possible_C(i));
    rt_and_c = rise_time_and_capacitor(data2.Vout,t);
    result_table(i,:) = rt_and_c;
end
result_table
```

```
result_table =

    0.0105    4.7788e-10
    0.0224    1.0195e-09
    0.0493    2.2437e-09
    0.1054    4.797e-09
    0.2243    1.0208e-08
    0.478     2.1755e-08
```

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