```
clc
clear all
sympref('FloatingPointOutput',true);
u = symunit;
tf_separate_int
```

Entrada

```
% Enunciado Motor B
eq = subs(eq, P_t9 / P_9, 3.4);
eq = subs(eq, P_t19 / P_19, 2.9);
T_t4 = 1650; % K
pi_c = 27;
pi_f = 1.8;
alpha = 3.5;

% General
g_c = 1;
pi_fn = 0.99;
M_0 = 0.8;
gamma_c = 1.4;
gamma_t = 1.33;
c_pc = 1005; % J/kg-K
c_pt = 1250; % J/kg-K
h_PR = 41400000; % J/kg
T_0 = 288.15; % K

% Figuras de merito
pi_dmax = 0.98;
e_c = 0.88;
pi_b = 0.94;
eta_b = 0.99;
e_t = 0.89;
pi_n = 0.98;
eta_m = 0.95;
e_f = 0.86;
```

Evaluar

```
debug = 1;
tf_separate_eval;
```

$R_c = 287.1429$

$R_t = 310.1504$

$a_0 = 340.3473$

$V_0 = 272.2778$

$\tau_r = 1.1280$

$\pi_r = 1.5243$

$\eta_r = 1$

$\pi_d = 0.9800$

$\tau_\lambda = 7.1221$

$\tau_c = 2.9156$

$\eta_c = 0.8166$

$\tau_f = 1.2156$

$\eta_f = 0.8482$

$f = 0.0285$

$\tau_t = 0.5672$

$\pi_t = 0.0767$

$\eta_t = 0.9185$

$\frac{P_0}{P_9} = 1.1931$

$M_9 = 1.4664$

$T_9 = 690.7935$

$V_9 = 782.7778$

$\frac{P_0}{P_{19}} = 1.0894$

$M_{19} = 1.3333$

$T_{19} = 291.4773$

$V_{19} = 456.3975$

$\frac{F}{\dot{m}_0} = 236.7743$

$S = 2.6748\text{e-}05$

FR = 2.8527

$\eta_P = 0.6250$

$\eta_T = 0.4346$

$\eta_O = 0.2716$