



C:\0_afc_work\OV_Intertank_Ascer

+ Plenum

+ Input

+ Connectivity

+ Output

+ Orifices

+ 1976 Standard Atmosphere

- calc Avg Absolute Velocity

- calc Weighted Absolute Velocity

- calc Sumation of Abs Mdot

+ Determine Flow Flags

- Unit Conversions

- calc Density Ratio

- calc Convection Coeff.'s

+ calc Component Heat Transfer

- Energy Balance Check

- calc Delta P

Mass Flow Rates (lbm/sec)		Orifice Areas (inch^2)		Flow Velocities (ft/sec)		Flow Temperatures (R)	
Wdtr_O1	-2.28867e-2	A_O1	176.4	Vel_fps_O1	-97.6645	Tt_O1	515
Wdtr_O2	0	A_O2	0	Vel_fps_O2	-97.6645	Tt_O2	515
Wdtr_O3	0	A_O3	0	Vel_fps_O3	-97.6645	Tt_O3	515
Wdtr_O4	0	A_O4	0	Vel_fps_O4	-97.6645	Tt_O4	515
Wdtr_O5	0	A_O5	0	Vel_fps_O5	-97.6645	Tt_O5	515
Wdtr_O6	0	A_O6	0	Vel_fps_O6	-97.6645	Tt_O6	515
Wdtr_O7	0	A_O7	0	Vel_fps_O7	-97.6645	Tt_O7	515
Wdtr_O8	0	A_O8	0	Vel_fps_O8	-97.6645	Tt_O8	515
Wdtr_O9	0	A_O9	0	Vel_fps_O9	-97.6645	Tt_O9	515
Wdtr_O10	0	A_O10	0	Vel_fps_O10	-97.6645	Tt_O10	515
Wdtr_O11	0	A_O11	0	Vel_fps_O11	-97.6645	Tt_O11	515

Determine Flow Flags

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simulation time sec

130

STD_ALT (ft)

134617

trapped air mass (lbm)

Wt_vol_P1

.105034

plenum total press (psia)

Pt_vol_P1

4.2184e-2

plenum total temp (R)

Tt_vol_P1

515

delta_P_P1_Pinf (psia)

-5.90378e-3

max_delta_P_P1_Pinf (psia)

.530003

min_delta_P_P1_Pinf (psia)

-.180266

Input

Plenum

Output

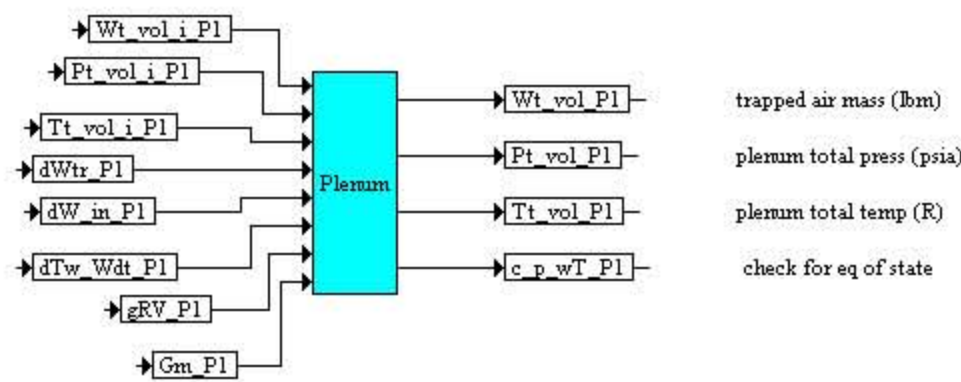
Orifices

Connectivity

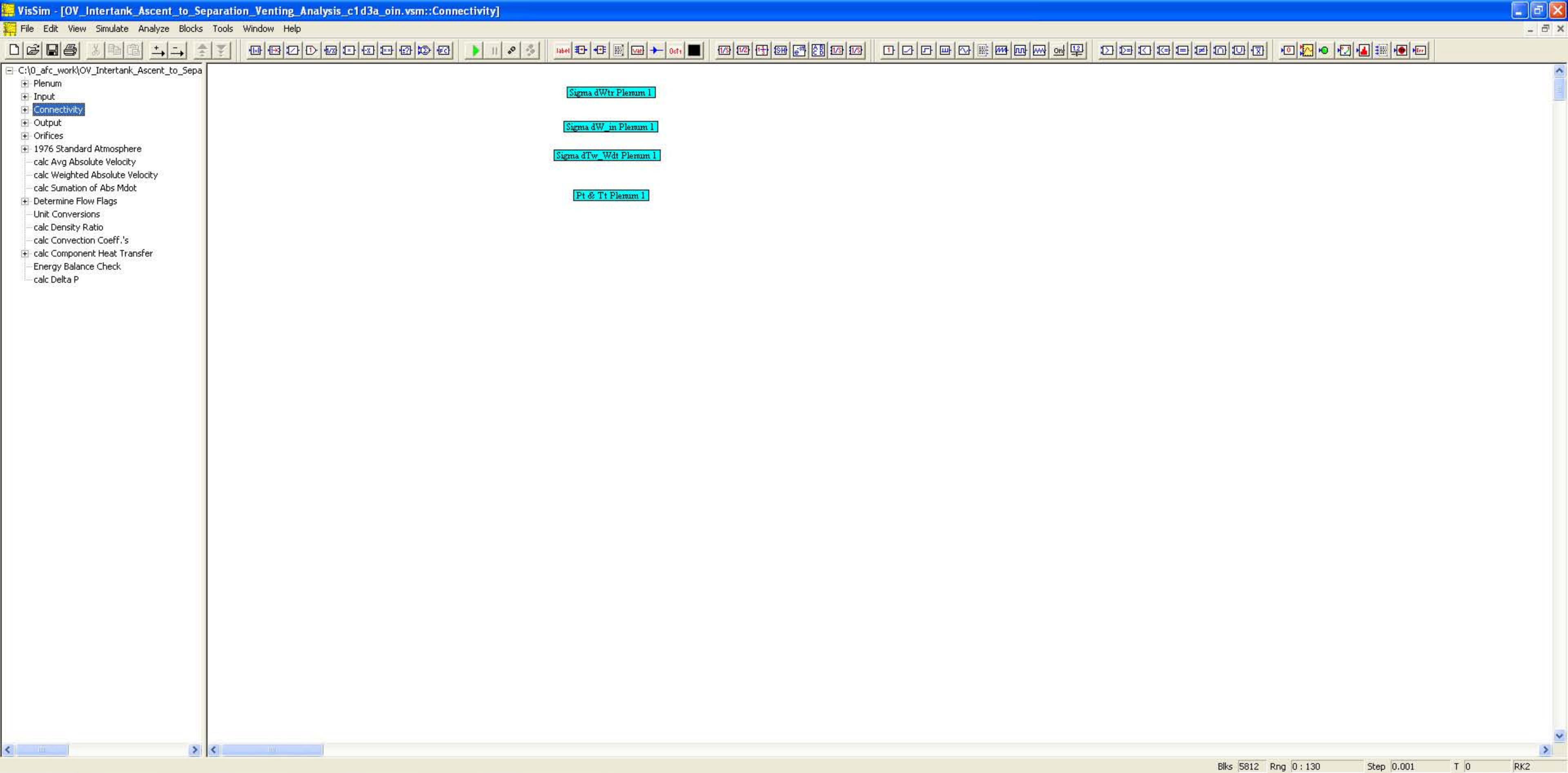
1976 Standard Atmosphere

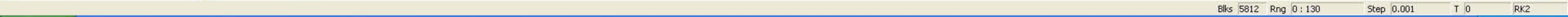
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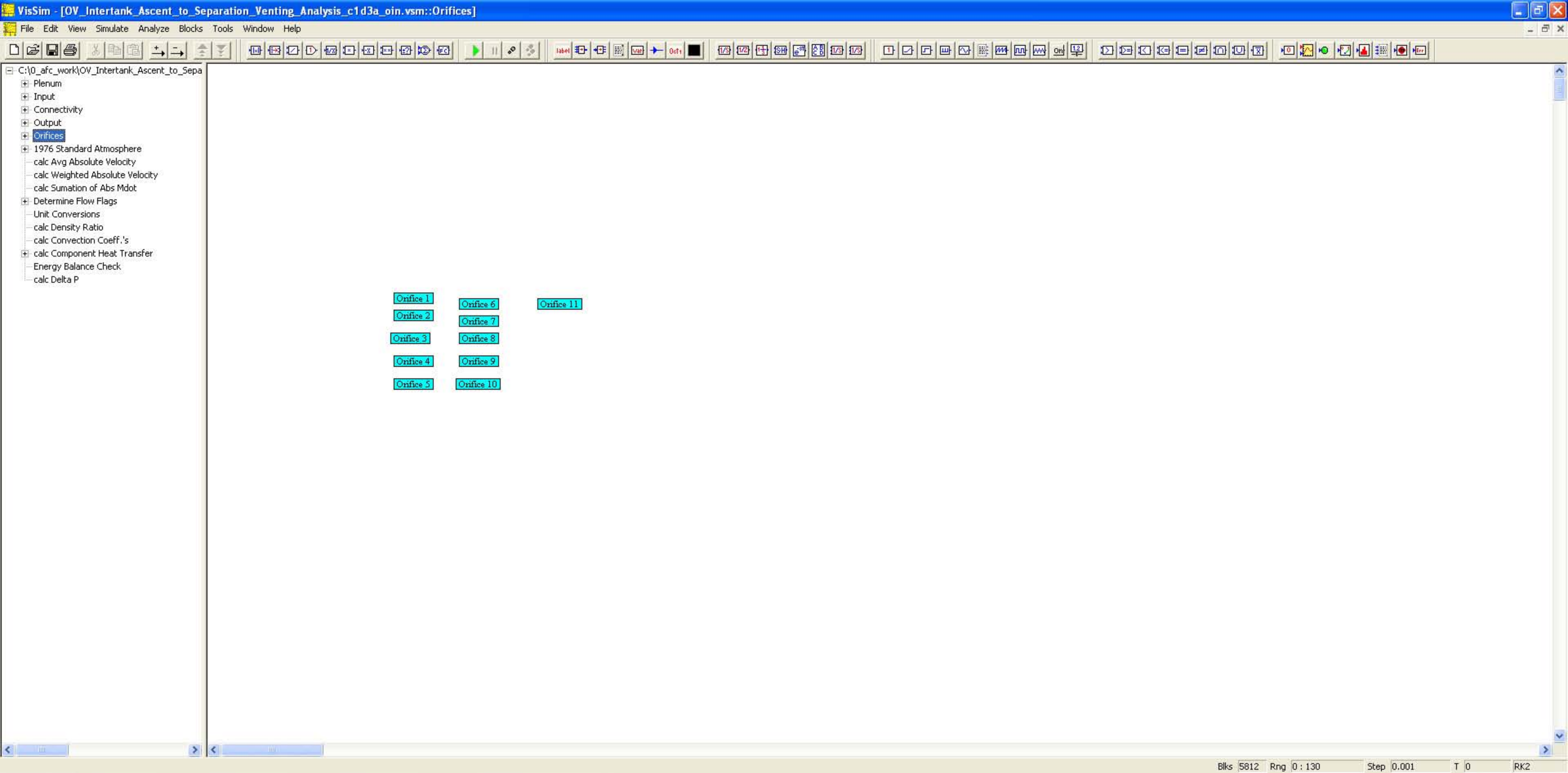
Init trapped air mass (lbm)
 Init plenum total press (psia)
 Init plenum total temp (R)
 Sigma dWtr (lbm/sec)
 Sigma dW_in (lbm/sec)
 Sigma dTw_Wdt
 weight constant (in^2-R)
 ratio of specific heats













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