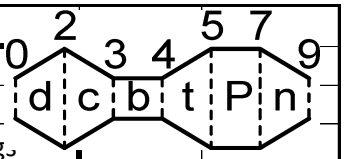
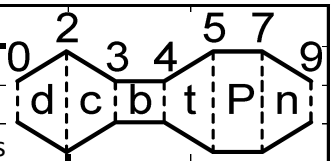
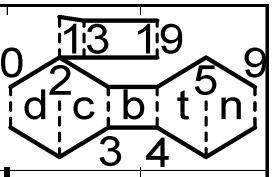
Turbo Jet By TomLevel 4									
	2	3	4	5	7	9			
	diff	comp	CC	Tur	AB	No			
c_p	1004			1152		1243	J/kgK		
γ	1.4			1.33		1.3			
π	0.96	10	0.95		0.98	0.97			
η, $e_{c,t}$		0.9	0.99	0.9	0.99				
Tt				1750		2250			
M0	2		po/p9	1	QR	42800	kJ/kgK		
T0	250	K	p0	101,300	Pa	η_m	0.99		
k	0.28571			0.24812		0.23077			
R	286.857			285.835		286.846	kJ/kgK		
a0	316.86	m/s	V0	633.719	m/s				
$\tau_r = T_{t0} = 0$	1.8								
Section	c	t	λ				t		
τ	2.07711	0.76251	8.03187			π	0.29696		
Section	0	2	3	4	5	7	9		
Tt	450	450	934.701	1750	1334.4		1334.4		
pt	792,617	760,912	7.61E+06	7.23E+06	2.15E+06		2.08E+06		
Section	f	Pt9/p9	M9	Tt9/T9	T9/T0	a9			
3	0.0267	2.06E+01	2.60209	2.11719	2.52107	489.492	m/s		
5	0	V9		V9/a0	V9/a0 eff	F/ma0	Num		
		1273.7	m/s	4.01977	4.01977	2.1271	1.26E+06		
Section	t	th	p	0	TSFC*1e3				
η	0.913	0.55303	0.67581	0.37374	0.039617				



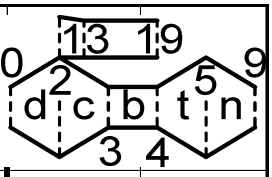
Turbo Jet By TomLevel 4									
	2	3	4	5	7	9			
	diff	comp	CC	Tur	AB	No			
c_p	1004			1152		1243	J/kgs		
γ	1.4			1.33		1.3			
π	0.96	10	0.95		0.98	0.97			
η, $e_{c,t}$		0.9	0.99	0.9	0.99				
Tt				1750		2250			
M0	2		po/p9	1	QR	42800	kJ/kgK		
T0	250	K	p0	101,300	Pa	η_m	0.99		
k	0.28571			0.24812		0.23077			
R	286.857			285.835		286.846	kJ/kgK		
a0	316.86	m/s	V0	633.719	m/s				
$\tau_r = T_{t0} = 0$	1.8								
Section	c	t	λ	λ_{AB}			t		
τ	2.07711	0.76251	8.03187	11.1424		π	0.29696		
Section	0	2	3	4	5	7	9		
Tt	450	450	934.701	1750	1334.4	2250	2250		
pt	792,617	760,912	7.61E+06	7.23E+06	2.15E+06	2.10E+06	2.04E+06		
Section	f	Pt9/p9	M9	Tt9/T9	T9/T0	a9			
3	0.0267	2.01E+01	2.58154	1.99966	4.50078	647.754	m/s		
5	0.03268	V9		V9/a0	V9/a0 eff	F/ma0	Num		
		1672.2	m/s	5.27743	5.27743	3.59079	2.56E+06		
Section	t	th	p	0	TSFC*1e3				
η	0.913	0.50381	0.56315	0.28372	0.052187				



JT9d By Tom									
	2	3	4	5	9	13	19		
	diff	comp	CC	Tur	No	Fan	No FAn		
c_p	1004			1057					
γ	1.4			1.35					
π	1	21.5	0.955		0.98	1.53	0.99		
η, $e_{c,t}$		0.92	0.95	0.9		0.96			
Tt				1349.8					
M0	0				QR	42800	kJ/kgK		
T0	288	K	p0	101,300	Pa	η_m	0.98		
alpha	5.053								
k	0.28571			0.25926					
R	286.857			274.037	kJ/kgK				
a0	340.1	m/s	V0	0.0	m/s				
$\tau_r = T_{t0} = 0$	1								
Section	c	f	t	λ		t			
τ	2.59299	1.13493	0.53755	4.93422	π	0.06993			
Section	0	2	3	4	5	9	13	19	
Tt	288.0	288	746.8	1349.8	725.586	725.586	326.859	326.8588	
pt	101,300	101,300	2.18E+06	2.08E+06	145,448	142,539	154,989	153,439	
Core		f	0.01726						
Pt9/p9	M9	M9 Eff	Tt9/T9	P9	po/p9				
1.4071	0.72735	0.72735	1.09258	101300	1				
T9	a9	V9	V9/a0	V9/a0 eff	F/ma0	F/maira0		Fc/Ft	
664.102	495.666	360.524	1.06009	1.06009	1.07838	0.17816		0.211267	
Fan									
Pt19/p19	M19	M19 Eff	Tt19/T19	P19	po/p19				
1.5147	0.79359	0.79359	1.12596	101300	1				
T19	a19	V19	V19/a0	V19/a0 eff	F/ma0	F/maira0		FF/Ft	
290.294	341.441	270.965	0.79675	0.79675	4.02595	0.66512		0.788733	
Num	Section	t	th	p	0	TSFC*1e3	F/ma0	F/maira0	
5.03E+05	η	0.9281	0.3407	0	0	0.0099	5.10433	0.843273	



JT9d By Tom									
	2	3	4	5	9	13	19		
	diff	comp	CC	Tur	No	Fan	No FAn		
c_p	1004			1057					
γ	1.4			1.35					
π	1	21.5	0.955		0.98	1.53	0.99		
η, $e_{c,t}$		0.92	0.95	0.9		0.96			
Tt				1349.8					
M0	0.85				QR	42800	kJ/kgK		
T0	288	K	p0	101,300	Pa	η_m	0.98		
alpha	5.053								
k	0.28571			0.25926					
R	286.857			274.037	kJ/kgK				
a0	340.1	m/s	V0	289.1	m/s				
$\tau_r = T_{t0} = 0$	1.1445								
Section	c	f	t	λ		t			
τ	2.59299	1.13493	0.46929	4.93422	π	0.03907			
Section	0	2	3	4	5	9	13	19	
Tt	329.6	329.616	854.7	1349.8	633.443	633.443	374.09	374.0899	
pt	162,467	162,467	3.49E+06	3.34E+06	130,342	127,735	248,574	246,089	
Core		f	0.01449						
Pt9/p9	M9	M9 Eff	Tt9/T9	P9	po/p9				
1.26096	0.59502	0.59502	1.06196	101300	1				
T9	a9	V9	V9/a0	V9/a0 eff	F/ma0	F/maira0		Fc/Ft	
596.486	469.755	279.513	0.82188	0.82188	-0.01621	-0.00268		-0.00913	
Fan									
Pt19/p19	M19	M19 Eff	Tt19/T19	P19	po/p19				
2.4293	1.20137	1	1.2	130004	0.77921				
T19	a19	V19	V19/a0	V19/a0 eff	F/ma0	F/maira0		FF/Ft	
311.742	353.83	353.83	1.0404	1.20448	1.7912	0.29592		1.00913	
Num	Section	t	th	p	0	TSFC*1e3	F/ma0	F/maira0	
4.21E+05	η	0.93345	0.3396	0.82835	0.28131	0.0240	1.775	0.293243	



Turbo Prop FaE4.38									
	2	3	4	4.5	5	9			
	diff	comp	CC	Tur	Tur	No	Prop		
c_p	1004			1152	J/kgs				
γ	1.4			1.33				η_m H	0.99
π	0.99	35	0.96					η_m L	0.99
η, $e_{c,t}$		0.92	0.99	0.8	0.859	0.95	0.85	η_{gb}	0.995
Tt				1650					
M0	0.82				QR	42000	kJ/kgK		
T0	258	K	p0	30,000	Pa				
alpha	0.75	m0	50	kg/s					
k	0.28571			0.24812					
R	286.857			285.835	kJ/kgK				
a0	321.9	m/s	V0	263.9	m/s				
$\tau_r = T_{t0} = 0$	1.13448								
Section	c	tH	tL	λ		tH	tL		
τ	3.01665	0.69292	0.73216	7.33809	π	0.15754	0.23161		
Section	0	2	3	4	4.5	5	9		
Tt	292.7	292.696	883.0	1650	1143.32	837.102	837.102		
pt	46,656	46,190	1.62E+06	1.55E+06	244,499	56,629	54,722		
Core		f	0.02556						
Pt9/p9	M9	M9 Eff	Tt9/T9	P9	po/p9				
1.82407	0.98729	0.98729	1.16083	30000	1				
T9	a9	V9	V9/a0	V9/a0 eff	F/ma0	Fc/Ft			
721.122	523.585	516.931	1.60593	1.60593	0.82698	0.18828			
Prop									
PS/mo					F/ma0	FP/Ft			
356,378	J/kg				3.56535	0.81172			
Num	Section	t	th	p	0	TSFC*1e3	F/ma0		
9.17E+05	η	0.83491	0.42712	0.8138	0.34759	0.0181	4.39233		
Calcolo iterativo rendimento TL partendo da eTL									
p9/pt45	η_{TL}	τ	η_{TL}	τ	η_{TL}	τ	η_{TL}	τ	
0.1227	1	0.69564	0.88325	0.73117	0.88008	0.73214	0.88	0.73216	
	0.88	0.73216	0.88	0.73216	0.88	0.73216	0.88	0.73216	
Calcolo π_n partendo da η_n									
Tt5/T0	1.17074	π_n	0.96632