1	3p

2			3p
L1	0.2	T1	293
L2	0.1	T3	373
L3	0.3	eps1	0.8
L23	0.4	eps3	0.9
D12	0.223607	Q' 13	-24.45
D1-23	0.447214		
F1-2	0.190983		
F1-23	0.381966		
F1-3	0.190983		

3			6p	
A	m2		0.12	
w	m/s		4	
		1	2	Liq
T		27	15	15
Psat		3599.8	1705	
Pvap		2339.87	1705	
UR		65%	100%	
Pair			99619	
ro as			1.207	
x		0.0147	0.0106	0.0041
h		64.6	42.0	0.254659
m'	kg/s		0.579134	
Q'	kW		-12.96	
condensa	kg/s		0.00235	
	kg/h		8.46	

4	6p
Lpar	0.5
Lperp	1
aree	1
spessore	0.02
Tlastra	200
Tamb	**20**
Tfilm	383
ro	0.92
Cp	1010
lambda	0.031
mi	2.19E-05
Pr	0.704
w m/s	10
Re	**210046**
Nu	270.7
h	16.8
Biot	0.00146
tau	2895.2
tempo s	5187
tempo min	86.5

5		IS1	IS2	4p
h_int		2000	2000	
r_int		0.03	0.03	
r_est		0.035	0.035	
r_max		0.055	0.075	
RconvInt		0.002654	0.0026539	
Rtubo		0.000409	0.0004091	
Ris		19.45	16.40	
Rconv		0.362	0.265	
Rtot		19.8	16.7	
Q'		3.53	4.20	
deltaTconv		0.009	0.011	
deltaTtubo		0.001	0.002	
deltaTis	48.25326	68.71	68.88	
deltaTconv		1.28	1.11	
deltaTtot		70.00	70.00	

6	3p	
m_birra	0.5	0.5
Cp_birra	4184	4184
T1 birra	5	278
H1 birra	10460	581576
m vetro	0.3	0.3
Cp vetro	840	840
T1 vetro	25	298
H1 vetro	6300	75096
Htot	16760	656672
Tfin	7.150	280.2
deltaSbirra		16.118
deltaSvetro		-15.565
deltaStot		0.553

7			5p
	T°C	T K	P
1	30	303	1.01
2id	341.5	614.5	12
diffT12id/re	311.5	**366.5**	
2re	396.5	669.5	12
3	1200	1473	12
4id	453.3	726.3	1.01
diffT34id/re	746.7	**634.7**	
4re	565.3	838.3	1.01
eta comp	0.85	0.85	1
In out	269.5		
P	150000		
m'	556.5		

8		3p
Qin_inf	3000	
Tloc	25	298
deltaTev	15	
Test	33	306
deltaTcond	24	
Tmax	57	330
Tmin	10	283
deltaT	47	47
COPid	6.02	
COP re	3.61	
Qout_sup	3830	
Lin	830	

Es	R2	tutto
1	3	
2	3	
3	6	6
4	6	6
5	4	4
6		3
7		5
8		3
tot	22	27
	11	13.5
corretto	18.0	18.0