	mCp
H1	50
H2	10
C1	70
C2	15

Cold side	Match 1
Duty Req	Node temp
1500	100
400	100
0	90
750	90

Hot side	Match 2
Duty Req	Node temp
5000	100
2000	100
6300	90
1950	90

Hot side	Match 3
Duty Req	Node temp
5000	100
50	295
6300	90
0	220

Hot side	Match 4
Duty Req	Node temp
0	200
50	295
1300	161
0	220

T_i	T_o
200	70
300	60
90	180
40	220

Want mCp,H > mCp,c		
Match Duty	Remaining Duty	Node temp
750	750	85
	400	100
	0	90
750	0	40
	Tdiff match	45
	OK	

Want mCp,H < mCp,c		
Match Duty	Remaining Duty	Node temp
	5000	100
1950	50	295
	6300	90
1950	0	220
	Tdiff match	75
	OK	

Want mCp,H < mCp,c		
Match Duty	Remaining Duty	Node temp
5000	0	200
	50	295
5000	1300	161
	0	220
	Tdiff match	75
	OK	

Want mCp,H < mCp,c		
Match Duty	Remaining Duty	Node temp
	0	200
50	0	300
50	1250	162
	0	220
	Tdiff match	138
	OK	