

SIMULAÇÃO DA EXPERIÊNCIA CANON COM O

CODIGO RELAP4/MOD5

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RESUMO

Visto a importância do conhecimento dos fenômenos termohidráulicos envolvidos num Acidente de Perda de Refrigerante Primário - APRP em reatores nucleares refrigerados à água leve pressurizada, a Experiência CANON basicamente estuda a fase de despressurização deste acidente.

O objetivo deste trabalho é apresentar o resultado obtido pelo Código RELAP4/MOD5 quando da simulação da Experiência CANON para, posteriormente, ser comparado com o resultado experimental através do Tema Especial do 7º Encontro Nacional de Física de Reatores e Termohidráulica - VII ENFIR.

1. Objetivo

O presente trabalho visa mostrar o resultado do Código RELAP4/MOD5 [1] na simulação da Experiência CANON a fim de integrar o Tema Especial do VII ENFIR [2], onde será efetuada a comparação teórico-experimental entre as diversas simulações realizadas por diferentes autores.

2. Condições da simulação

2.1. Experiência CANON

Conforme apresentado na referência [2], a figura 1 mostra o esquema de montagem da Experiência CANON possuindo as seguintes condições iniciais para a simulação:

- Caso A :
 - . pressão = 32 bar
 - . temperatura = 230 °C
 - . diâmetro da ruptura = 100 mm
- Caso B :
 - . pressão = 32 bar
 - . temperatura = 230 °C
 - . diâmetro da ruptura = 50 mm
- Caso C :
 - . pressão = 150 bar
 - . temperatura = 320 °C
 - . diâmetro da ruptura = 100 mm

2.2. Modelagem adotada e modelos considerados para o Código RELAP4/MOD5

Visto que o Código RELAP4/MOD5 está estruturado de acordo com o conceito de volumes de controle onde as condições do fluido em seu interior são as mesmas, adotou-se uma modelagem que

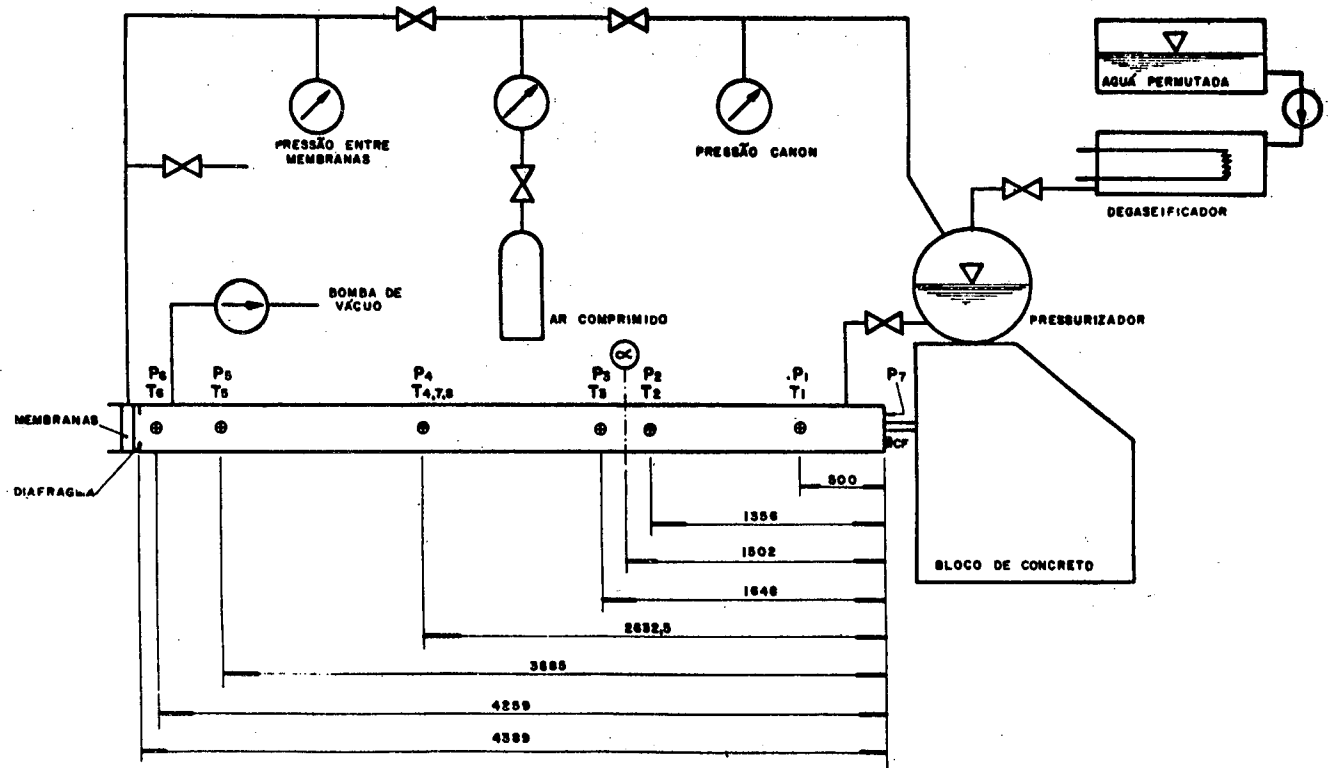


Fig:1- Esquema da Experiência CANON com Pontos de Medidas.

Localiza os pontos de medida da Experiência bem no centro desses volumes de controle. Assim, o esquema de modelagem considerado para a simulação está mostrado na figura 2.

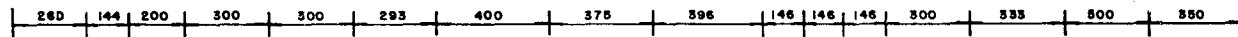
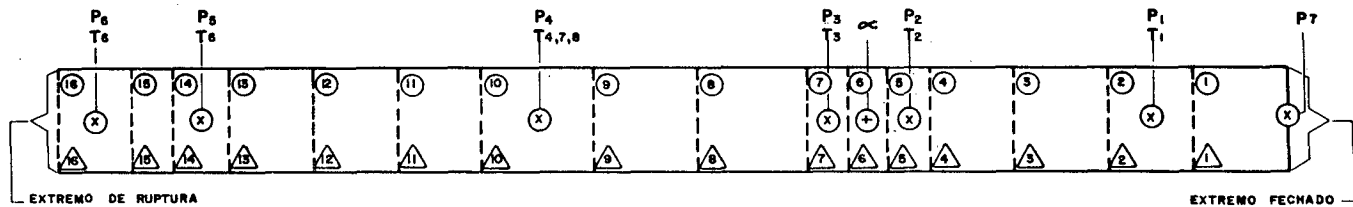
A tabela 1 apresenta as opções e modelos de cálculo do Código considerados nesta simulação e o Anexo A contém as listagens dos dados de entrada para cada um dos Casos.

Tabela 1 - Opções e modelos de cálculo do Código RELAP4/MOD5 considerados nesta simulação

JTPMV	- índice de fricção bifásica (=0 multiplicador de fricção bifásica com fricção de Fanning)
FJUNF	- coeficiente de perda de pressão por forma na junção de ruptura (=1,02)
JVERTL	- índice de junção vertical (=1 área de escoamento da junção é assumida ser circular centrada e distribuída verticalmente ao redor da cota de sua junção)
JCHOKE	- índice de "chocking" na junção
ICHOKE	- índice de "chocking" na junção (ICHOKE=0 e JCHOKE=5 modelo de escoamento crítico de Henry-Fauske e de Equilíbrio Homogêneo)
CONCO	- coeficiente de contração para descarga (=0,6)
ISTAGP	- (=1 usa as propriedades de estagnação)

3. Resultados obtidos

Após uma análise paramétrica efetuada em algumas das opções e modelos de cálculo do Código, conforme mostrado à título



(DIMENSÕES EM mm)
TOTAL = 4369 mm

(n) NÚMERO DO VOLUME

(x) MEDIDA DE TEMPERATURA (T) e PRESSÃO (P)

(Δ) NÚMERO DA JUNÇÃO

(+) MEDIDA DE FRAÇÃO DE VAZIO (∞)

FIG. 2 - CÓDIGO RELAP4/MDD5. ESQUEMA DE MODELAGEM PARA A EXPERIÊNCIA CANDU.

ilustrativo no Anexo B, os resultados obtidos e julgados mais representativos para as simulações dos Casos A, B e C estão mostrados, respectivamente, nas figuras 3 à 9, 10 à 16 e 17 à 23, apresentando os perfis temporais de pressão, temperatura, fração de vazio e vazão mássica nos respectivos pontos de medida. No Anexo C encontra-se a listagens dos resultados obtidos na forma de tabelas.

Devido ao não conhecimento dos resultados experimentais torna-se difícil julgar o comportamento qualitativo e, principalmente, quantitativo dos resultados obtidos. Entretanto, fazendo-se uma comparação qualitativa entre os Casos considerados, verifica-se que o tempo de despressurização para o Caso B é mais lento que para o Caso A face ao menor diâmetro da ruptura, enquanto que para o Caso C a despressurização é bem mais rápida que nos outros Casos devido ao maior gradiente de pressão relativamente as condições do ambiente externo. Para os 3 Casos este comportamento está dentro do previsto.

4. Conclusões

Este trabalho apresentou os resultados obtidos pelo Código RELAP4/MOD5 quando da simulação da Experiência CANON, sem contudo efetuar a comparação teórico-experimental, a ser posteriormente realizada pelo Coordenador do Tema Especial do VII ENFIR.

Novamente, enfatiza-se aqui que face ao não conhecimento prévio dos resultados experimentais torna-se extremamente difícil avaliar os resultados obtidos pelo Código do ponto de vista qualitativo, quantitativo e fenomenológico, assim

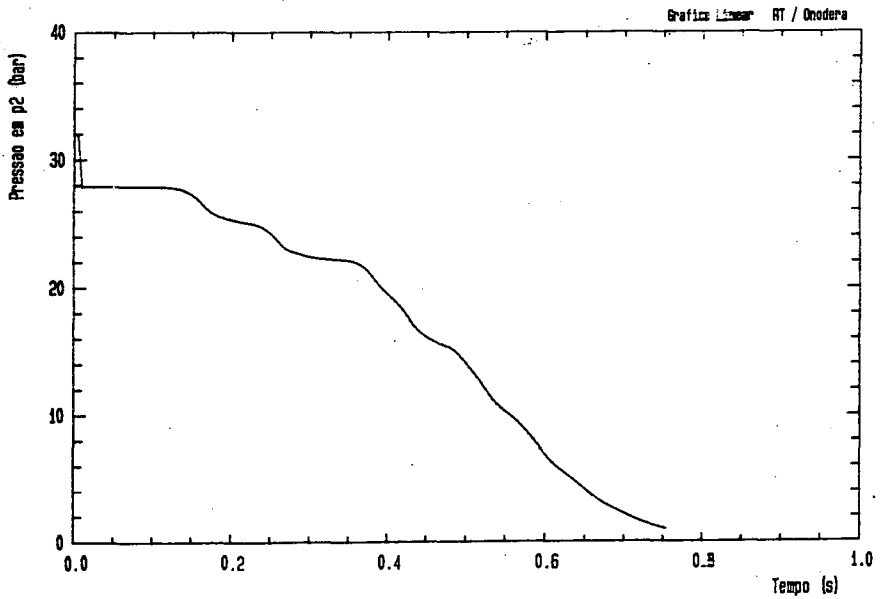
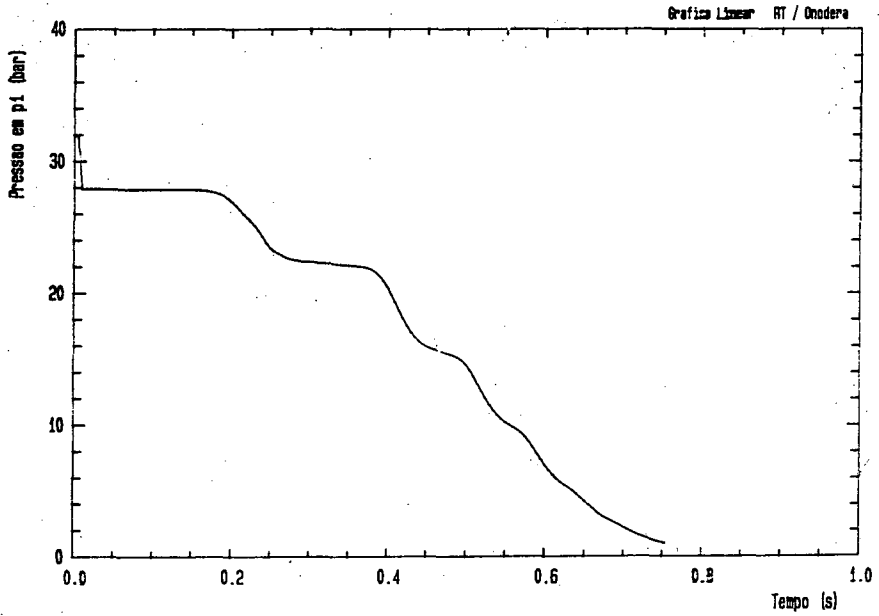


Figura 3 - Evolução temporal da pressão - Caso A

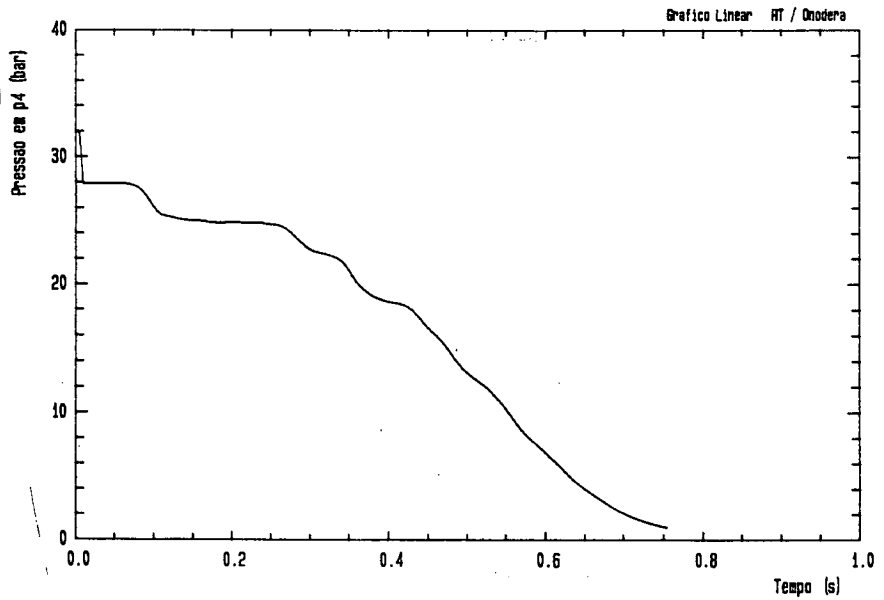
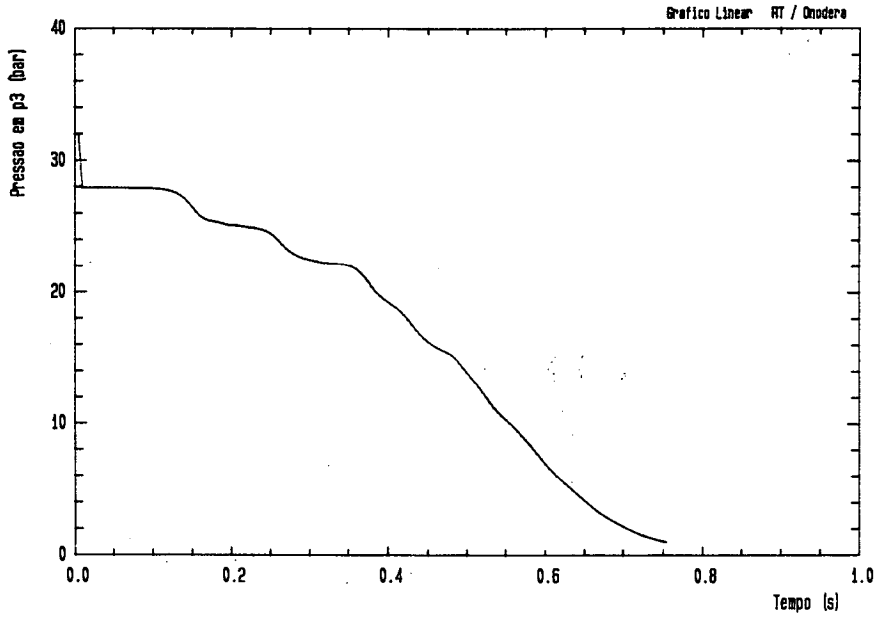


Figura 4 - Evolução temporal da pressão - Caso A

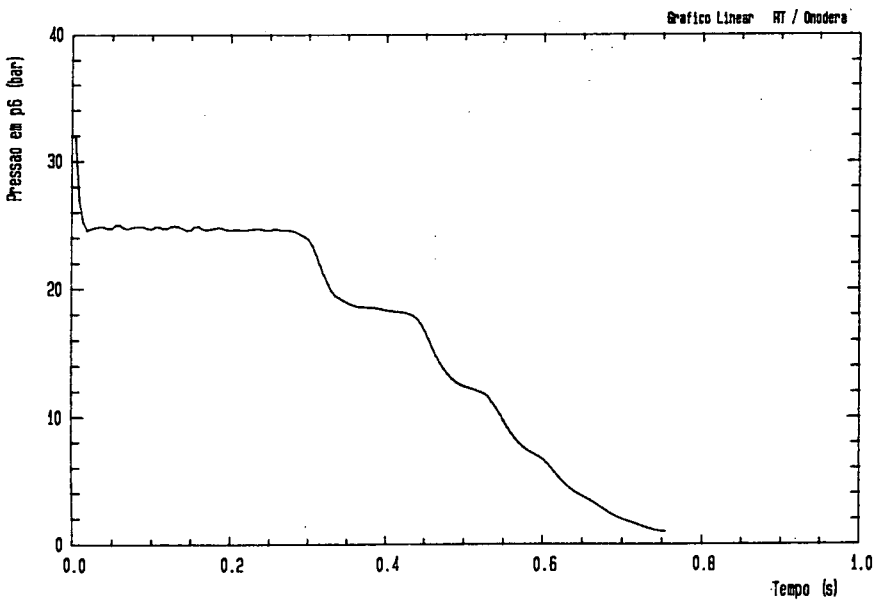
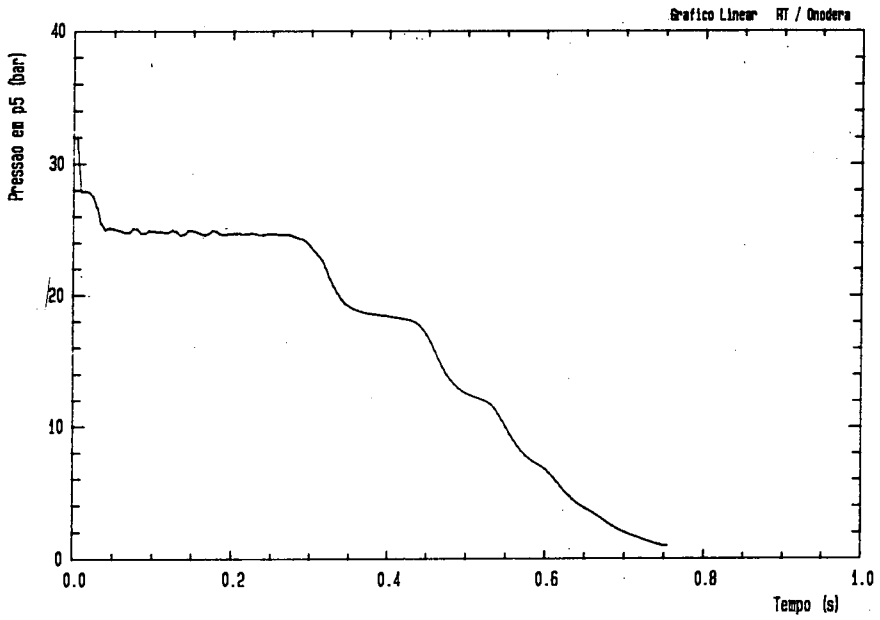


Figura 5 - Evolução temporal da pressão - Caso A

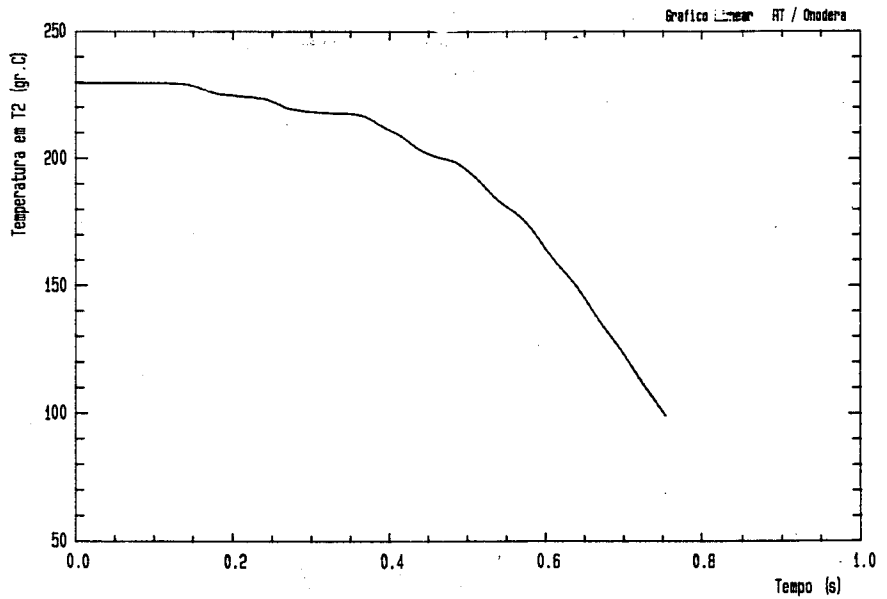
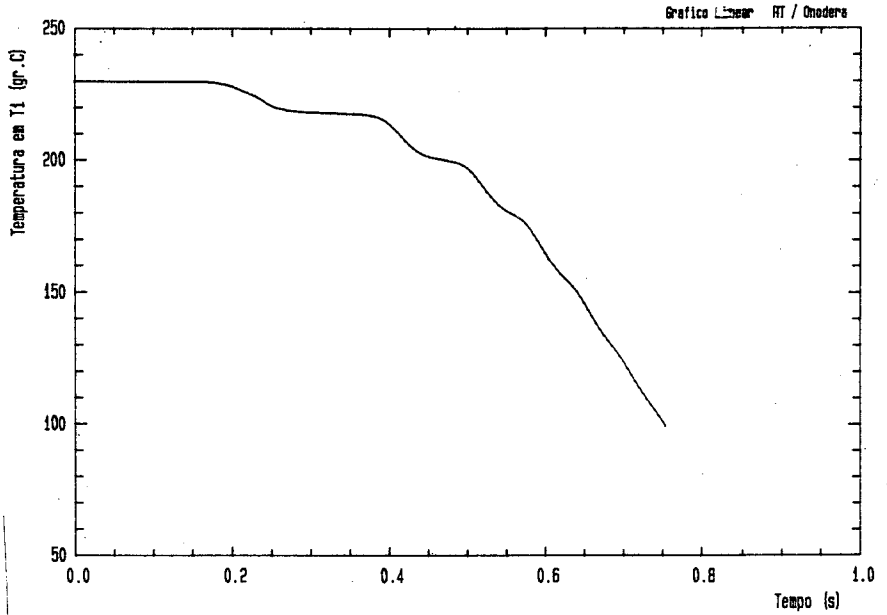


Figura 6 - Evolução temporal da temperatura - Caso A

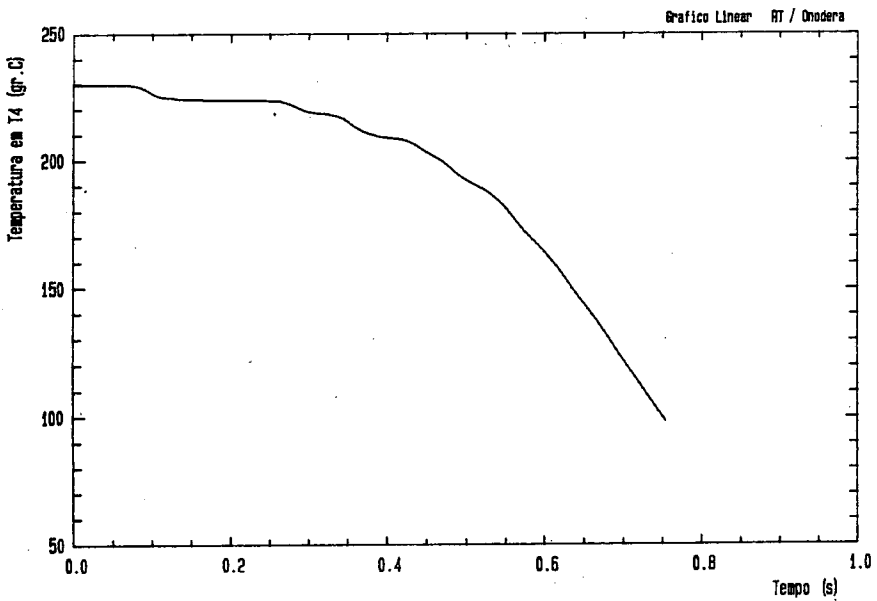
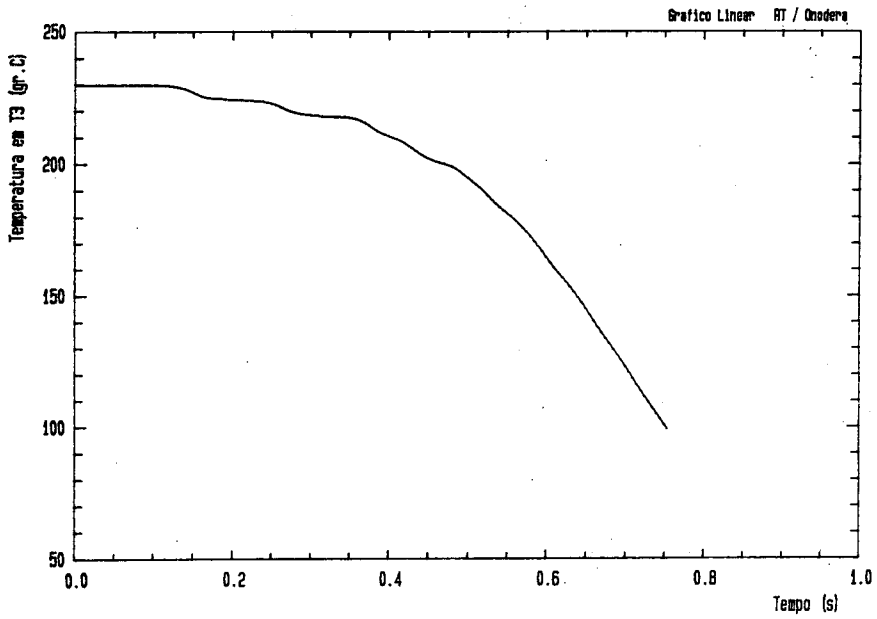


Figura 7 - Evolução temporal da temperatura - Caso A

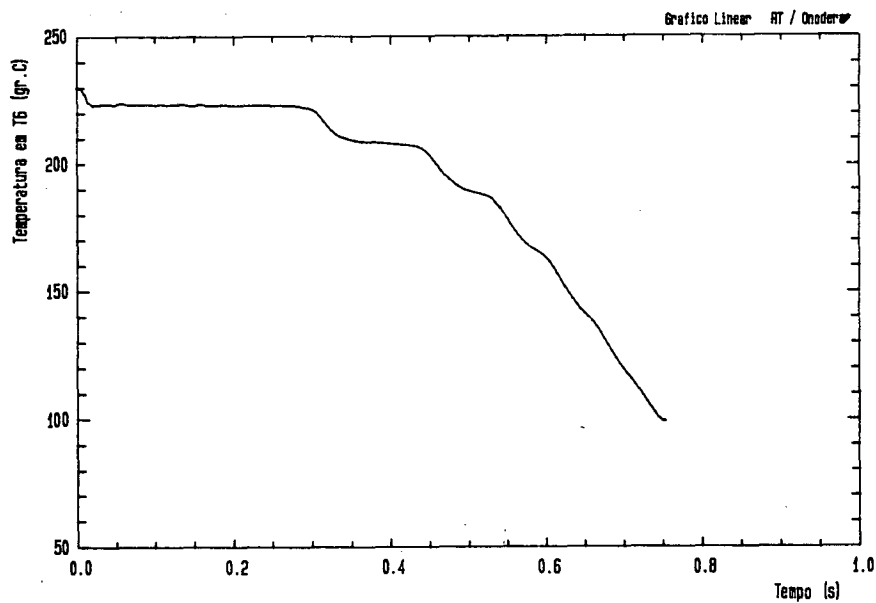
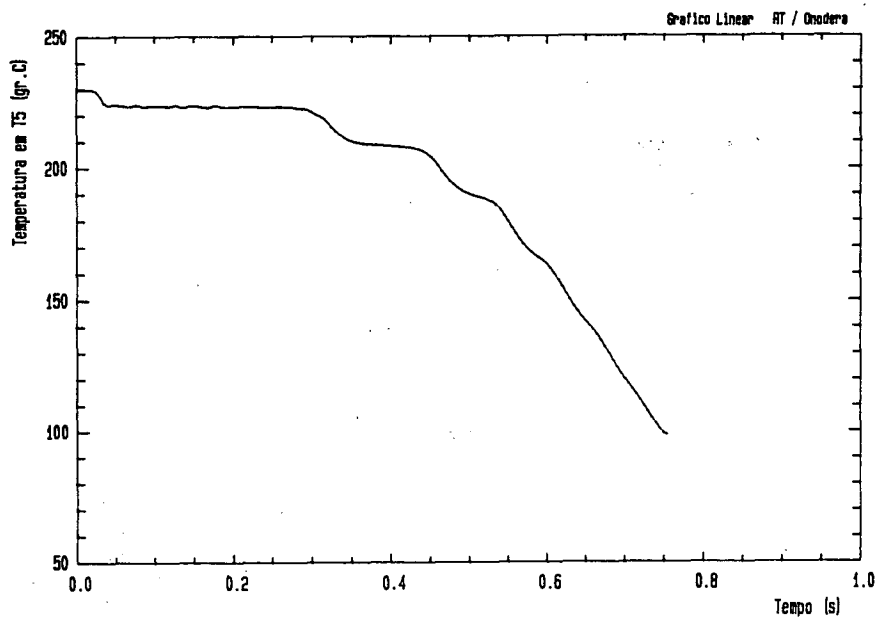


Figura 8 - Evolução temporal da temperatura - Caso A

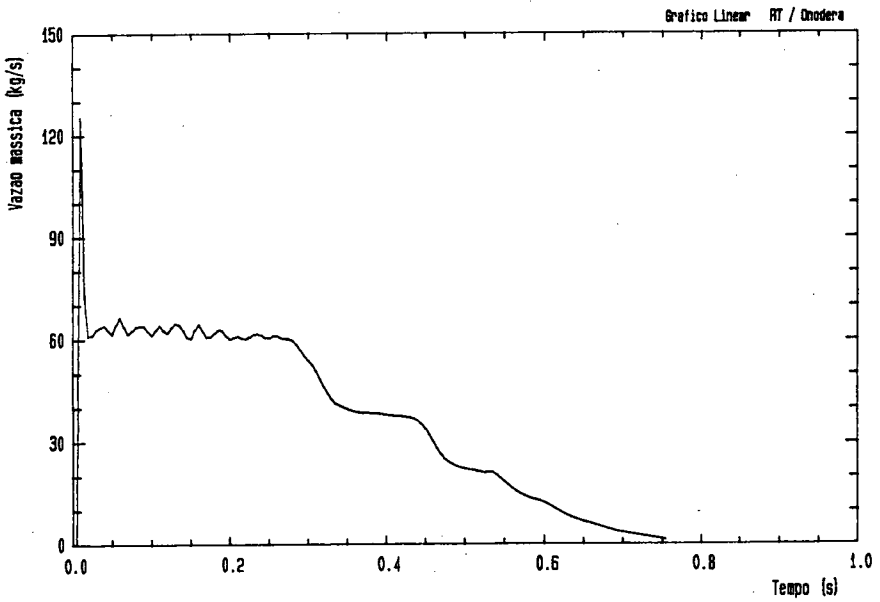
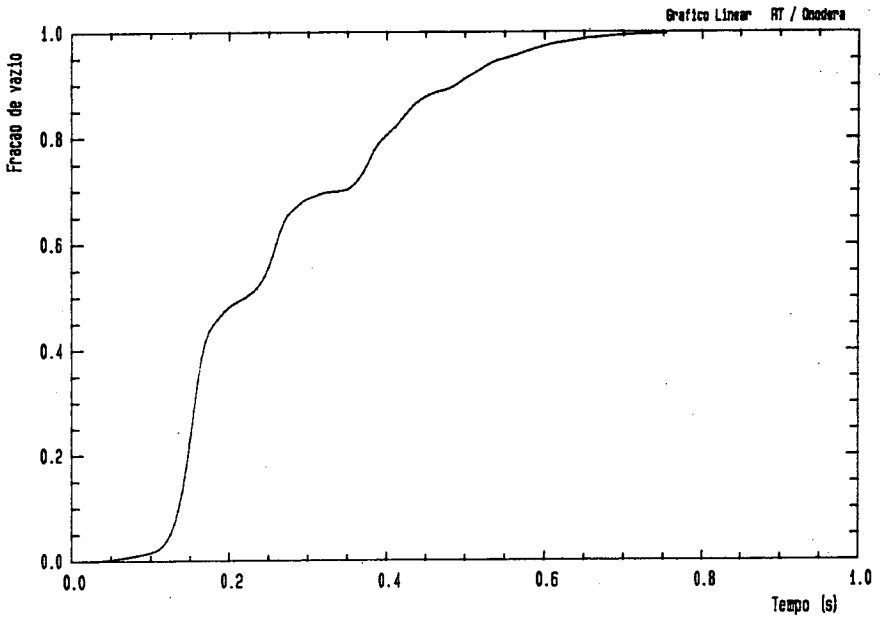


Figura 9 - Evolução temporal da fração de vazio e da vazão massica na ruptura - Caso A

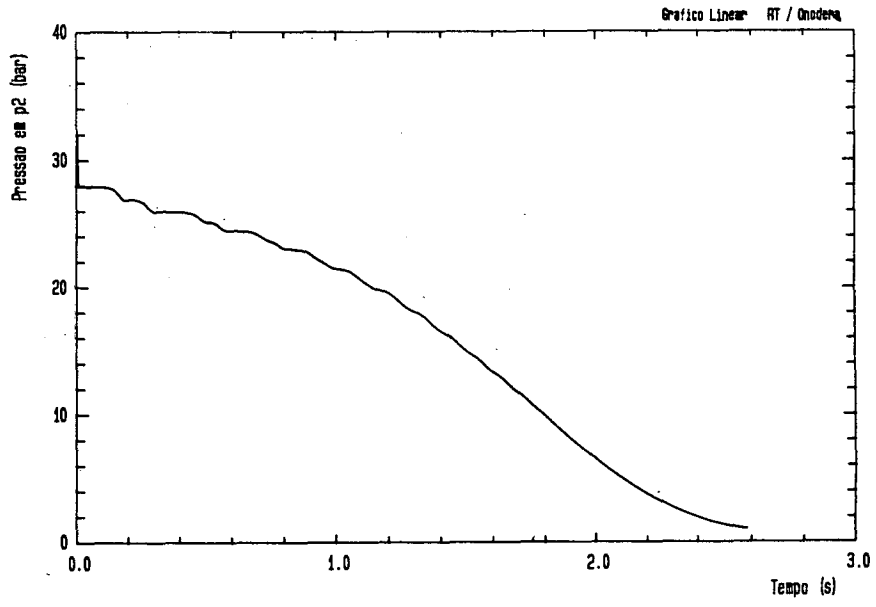
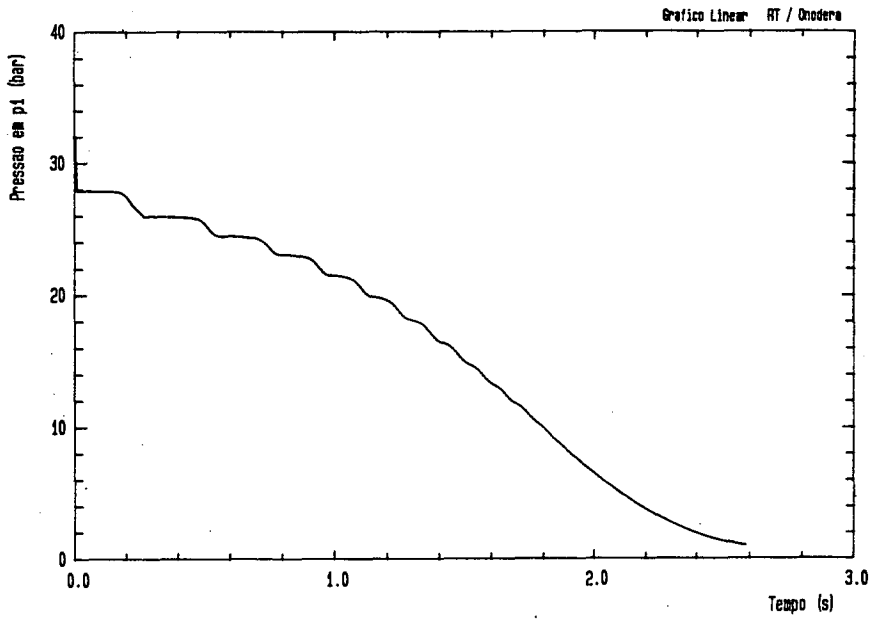


Figura 10 - Evolução temporal da pressão - Caso B

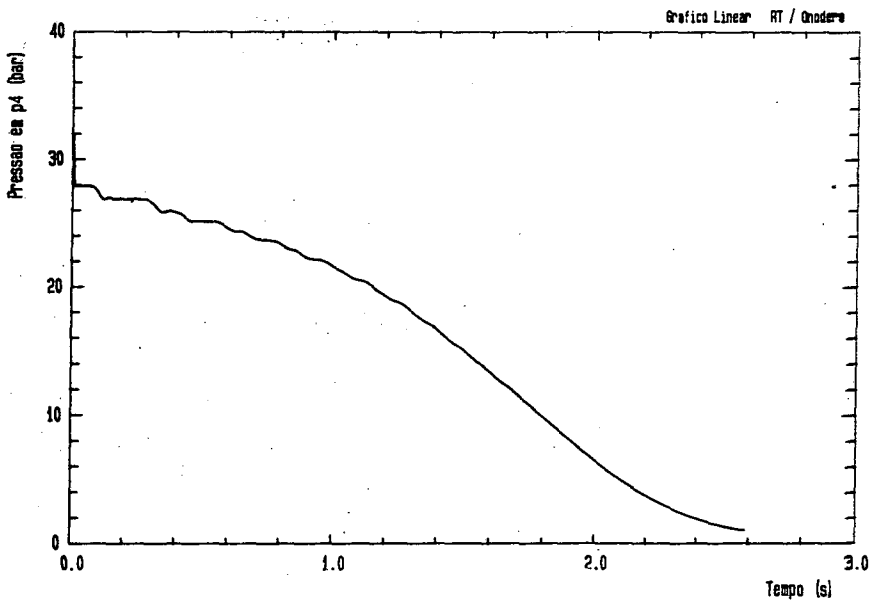
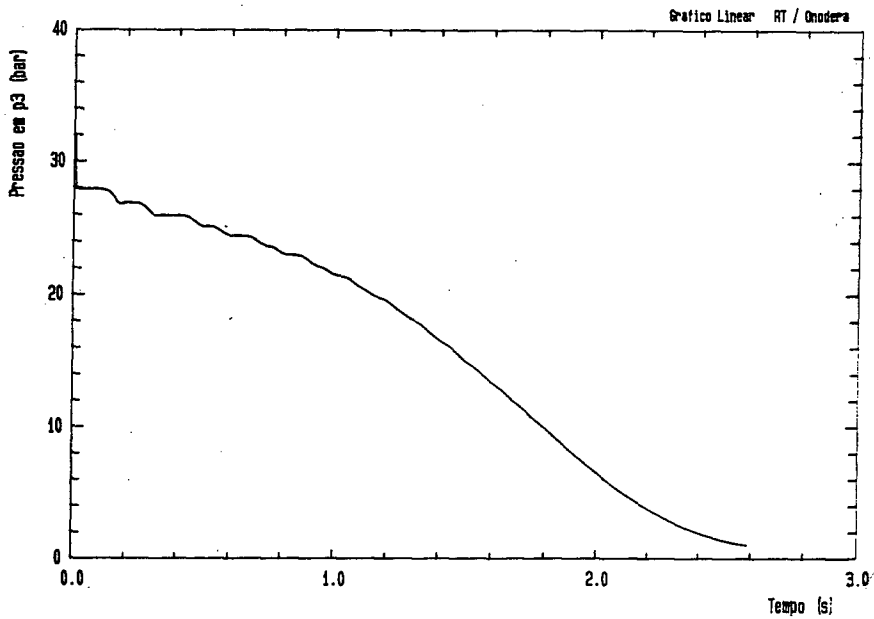


Figura 11 - Evoluçao temporal da pressao - Caso B

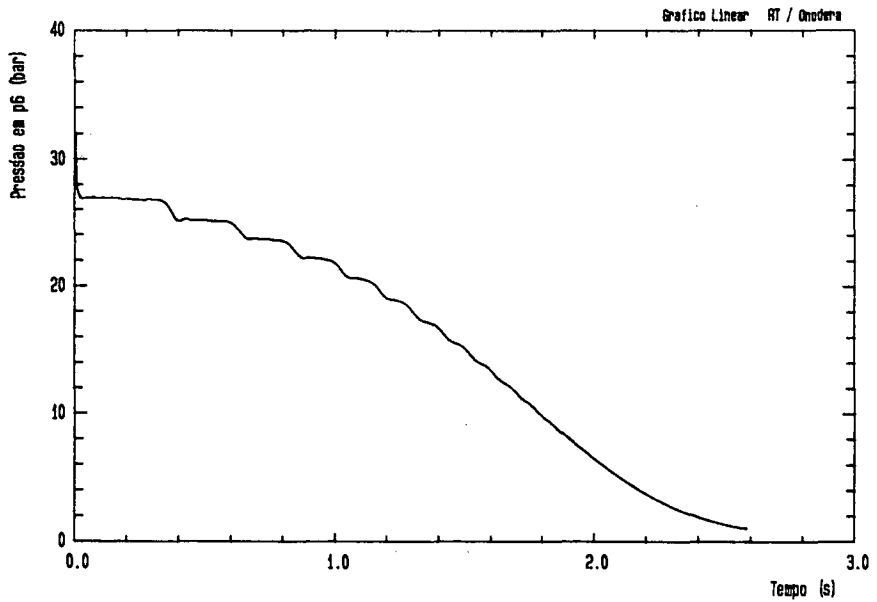
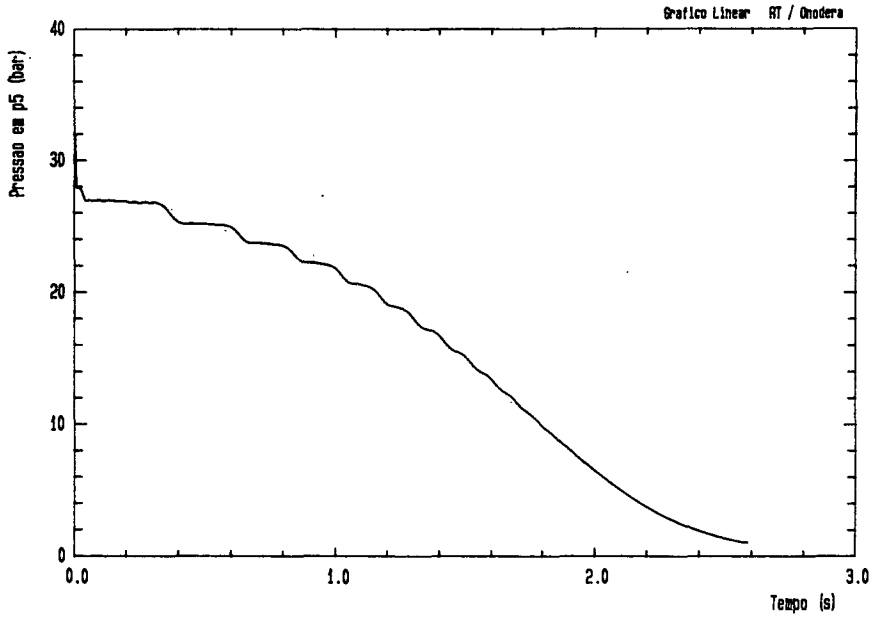


Figura 12 - Evolução temporal da pressão - Caso B

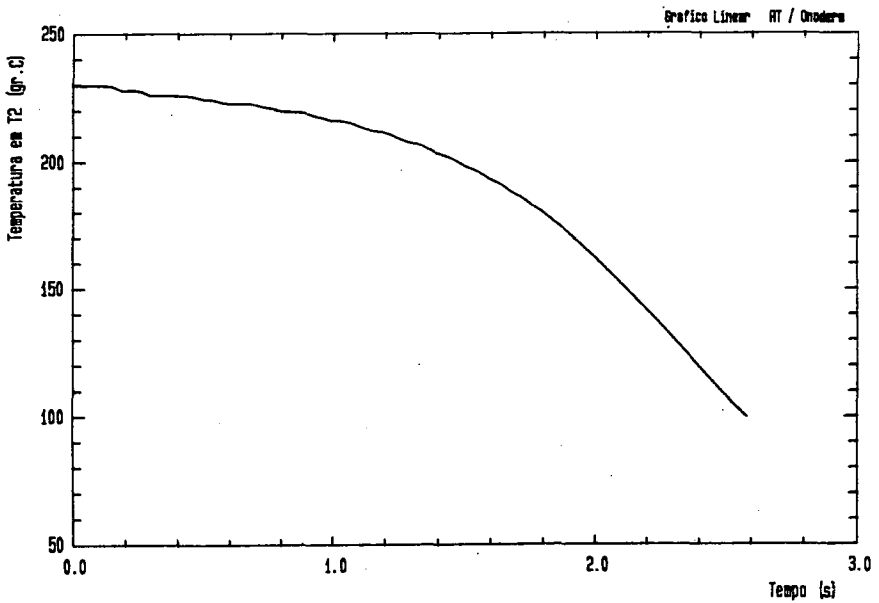
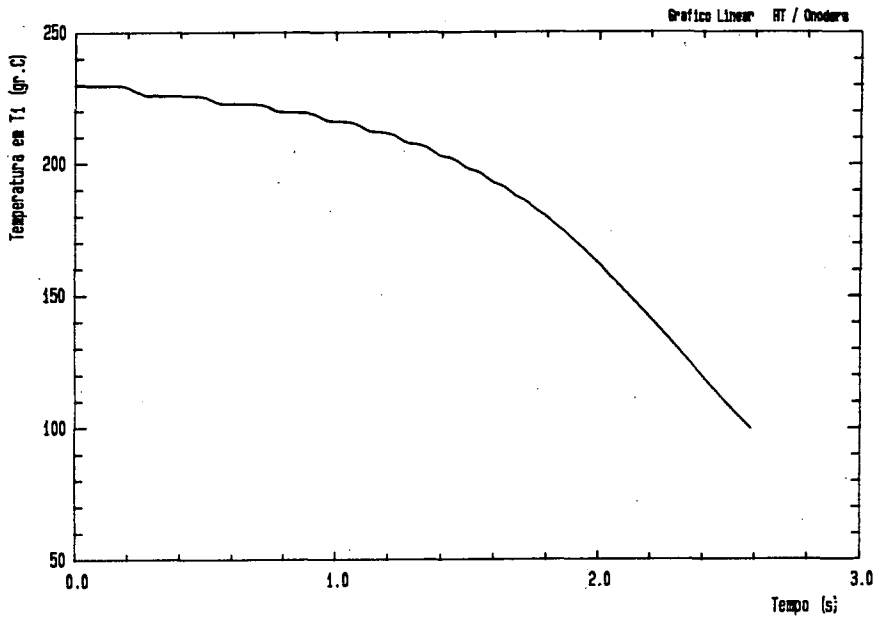


Figura 13 - Evolução temporal da temperatura - Caso B

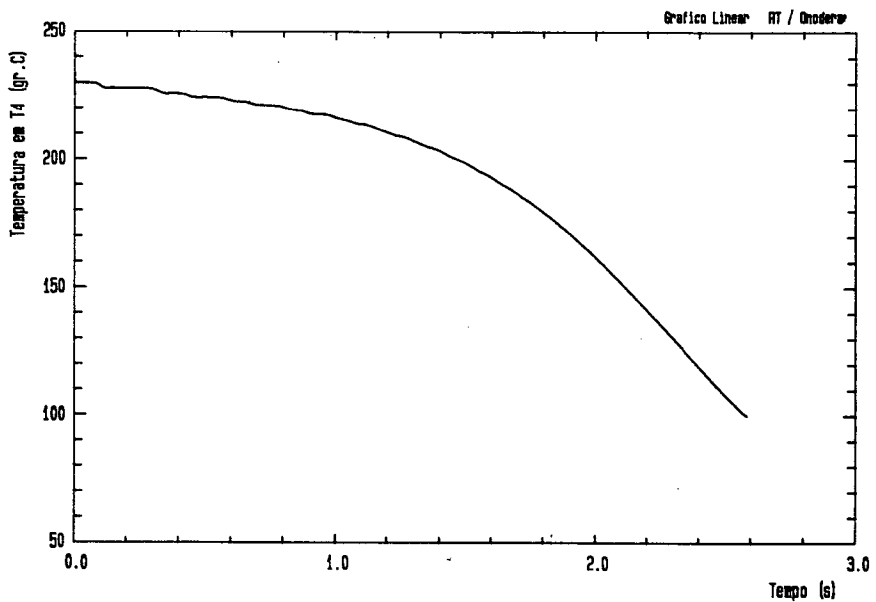
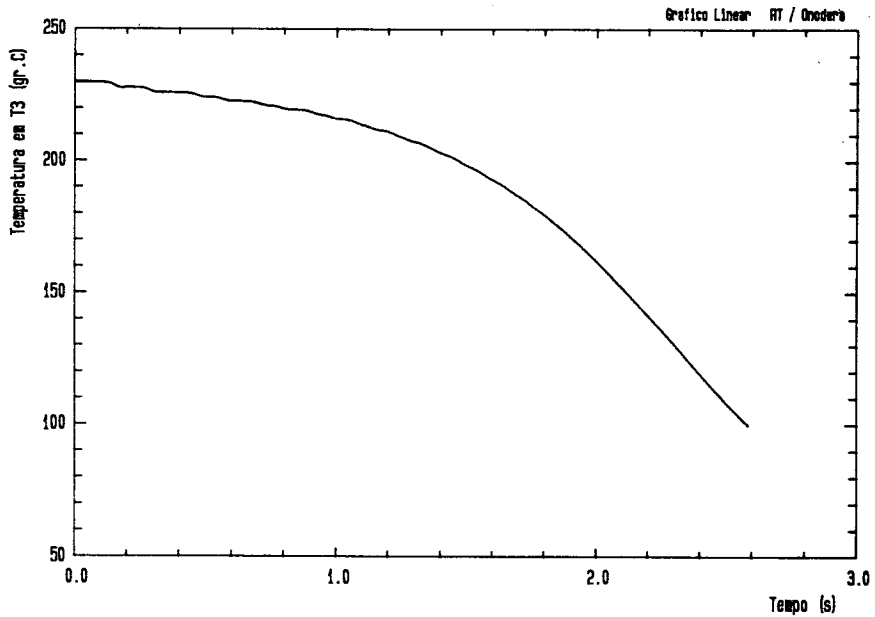


Figura 14 - Evolução temporal da temperatura - Caso B

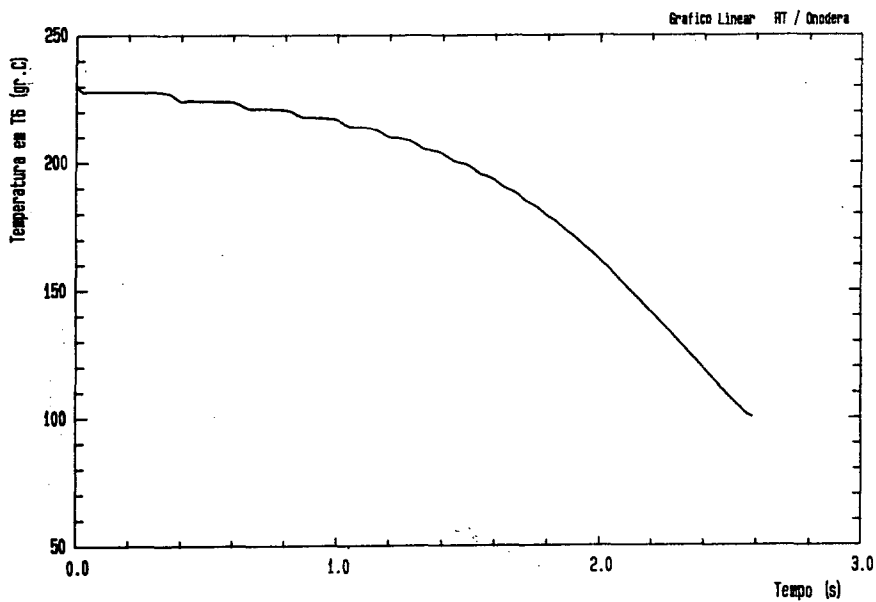
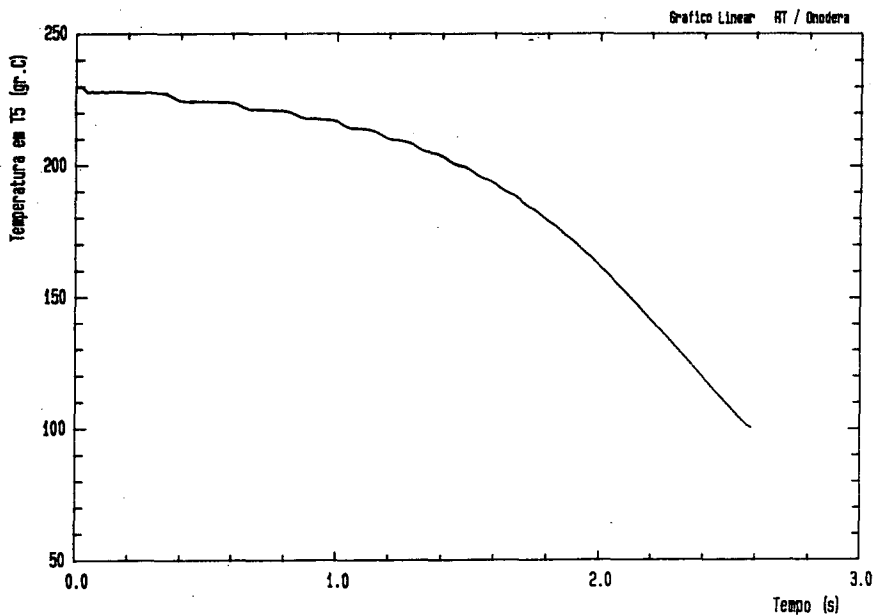


Figura 15 - Evolução temporal da temperatura - Caso B

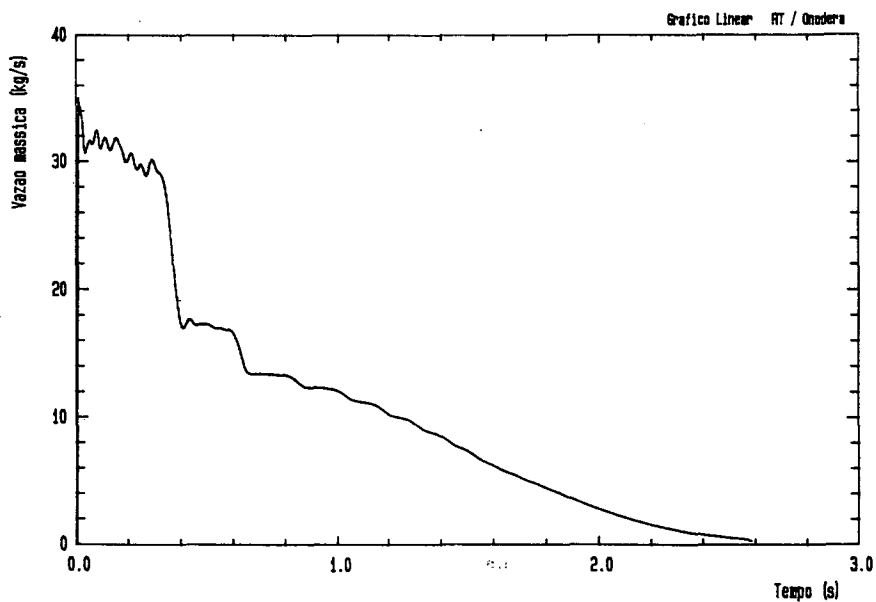
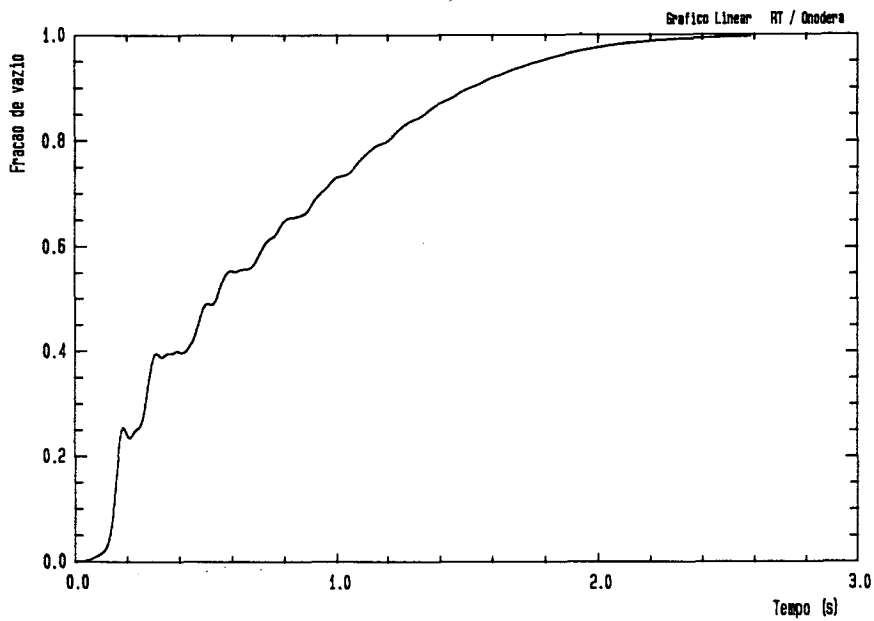


Figura 16 - Evolução temporal da fração de vazão e da vazão mássica na ruptura - Caso B

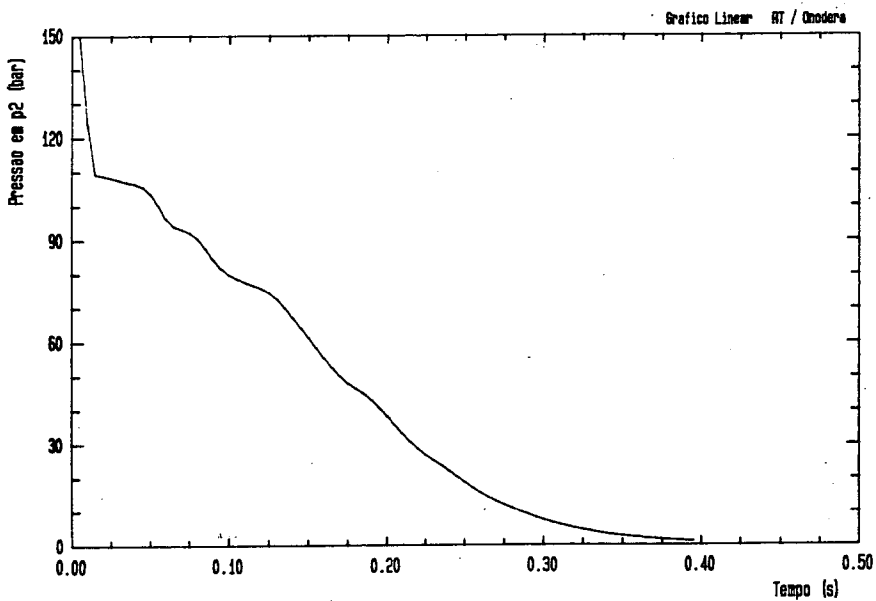
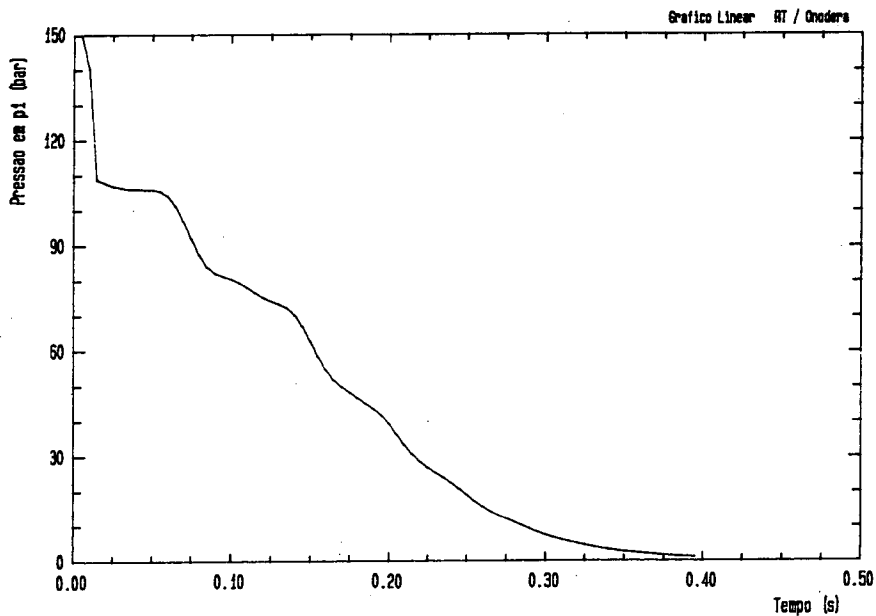


Figura 17 - Evolução temporal da pressão - Caso C

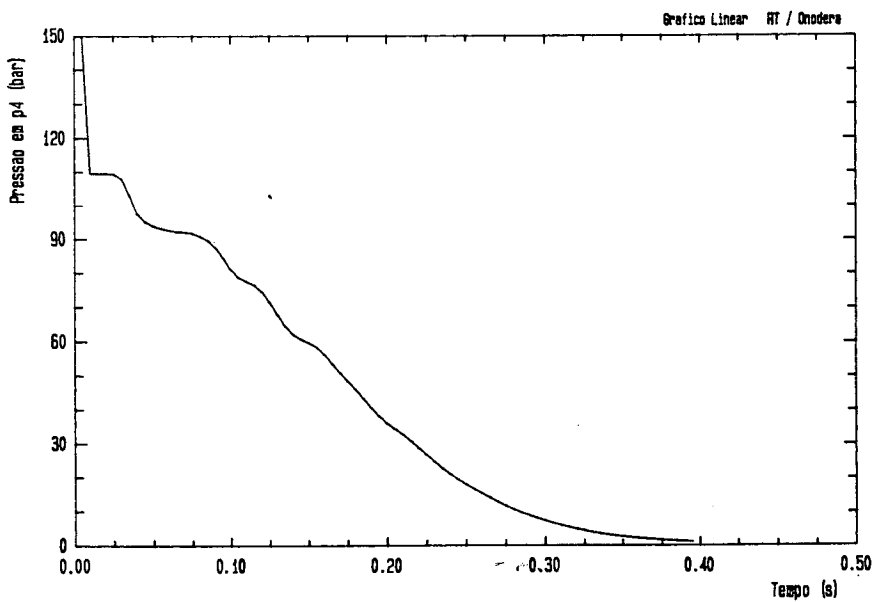
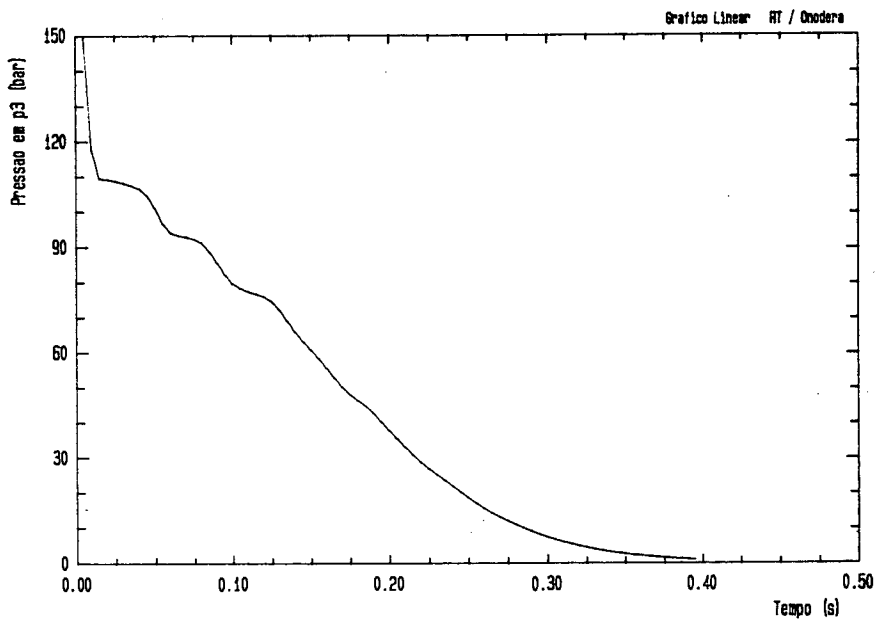


Figura 18 - Evolução temporal da pressão - Caso C

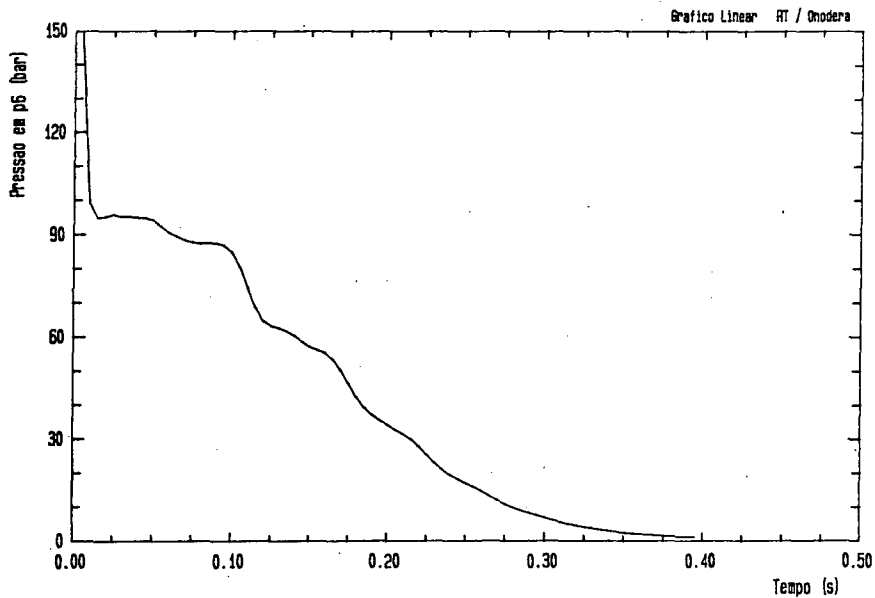
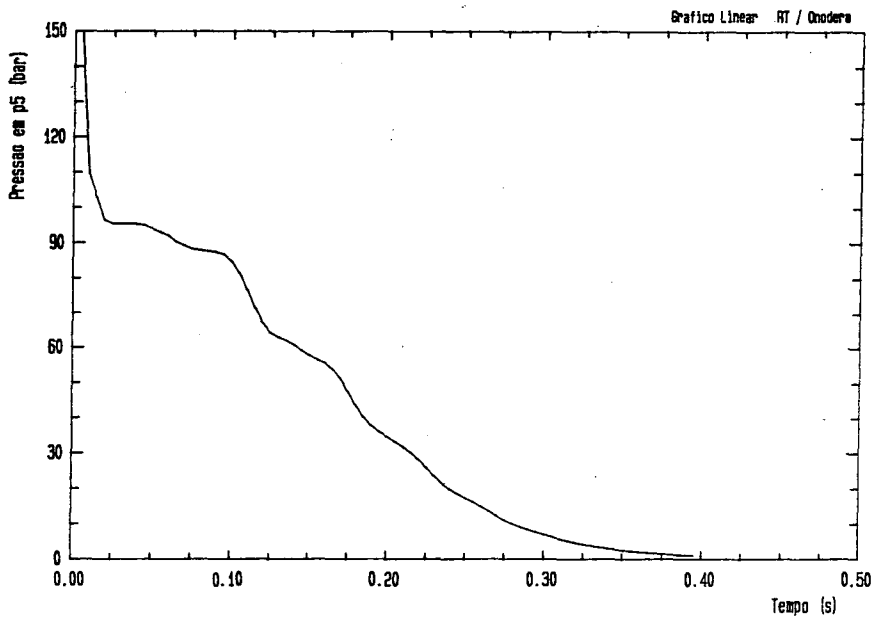


Figura 19 - Evolução temporal da pressão - Caso C

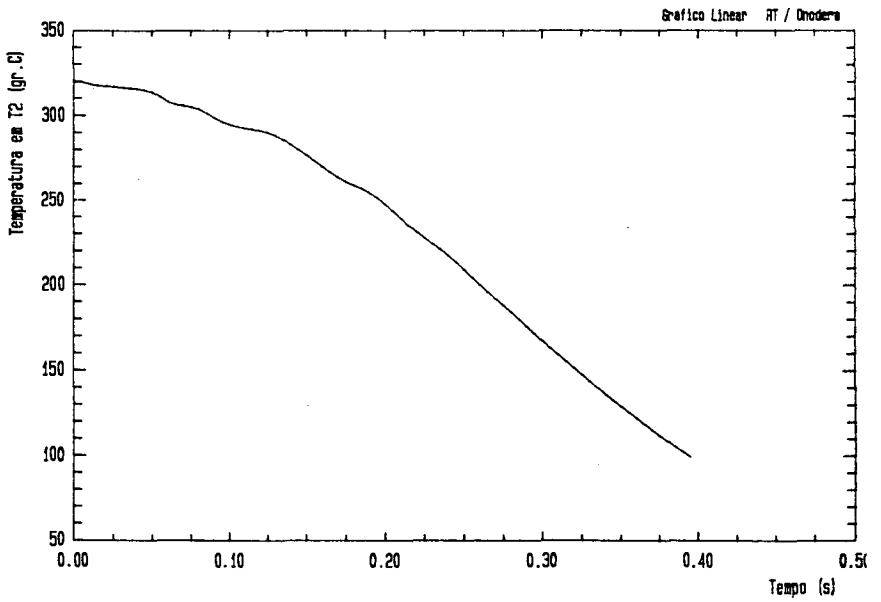
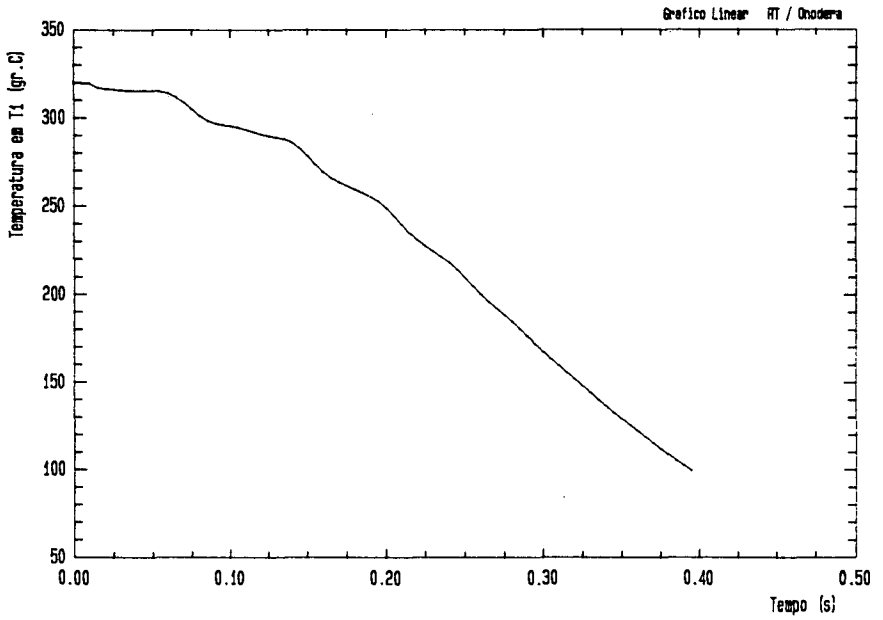


Figura 20 - Evolução temporal da temperatura - Caso C

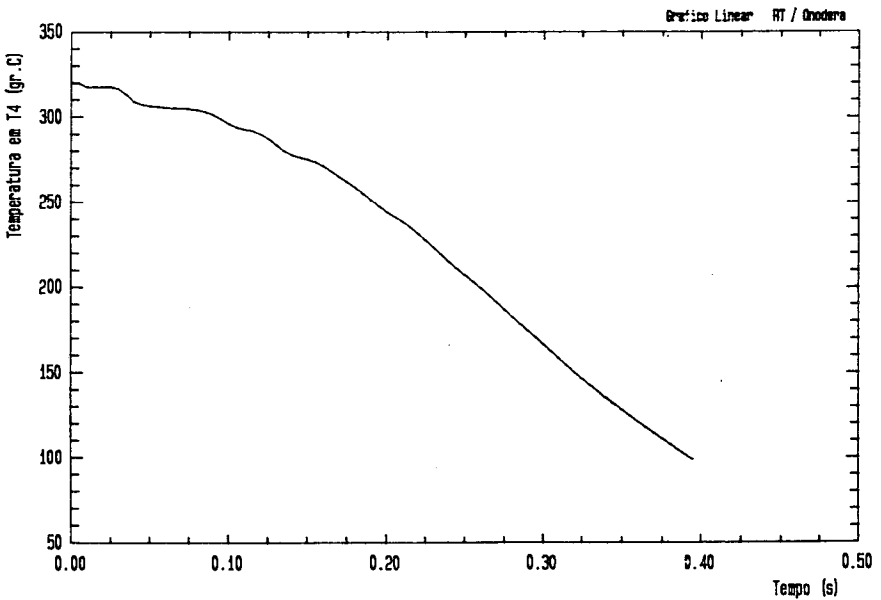
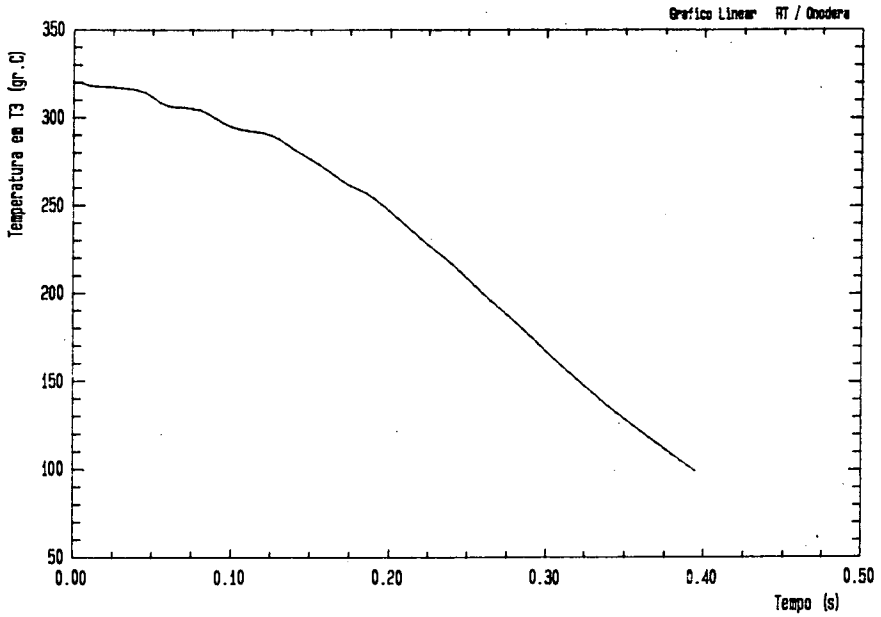


Figura 21 - Evolução temporal da temperatura - Caso C

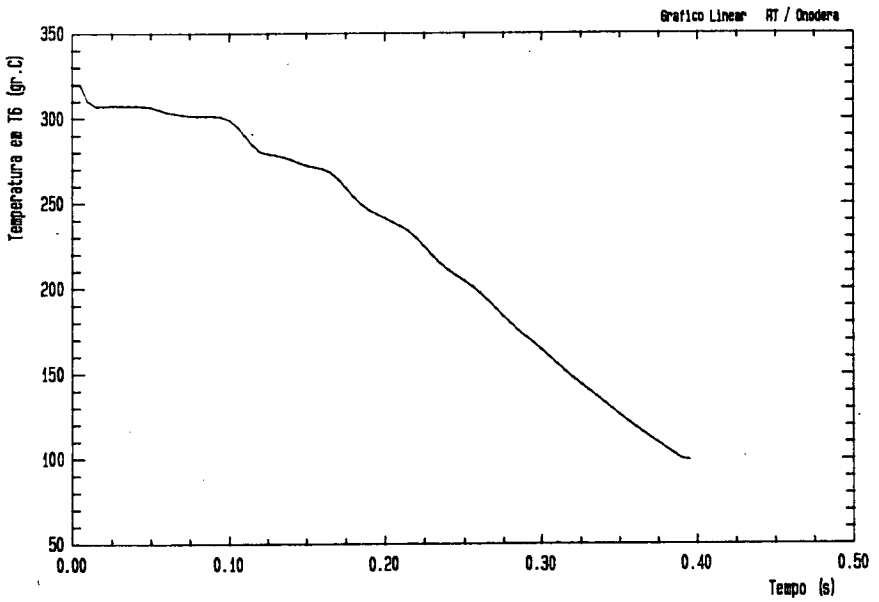
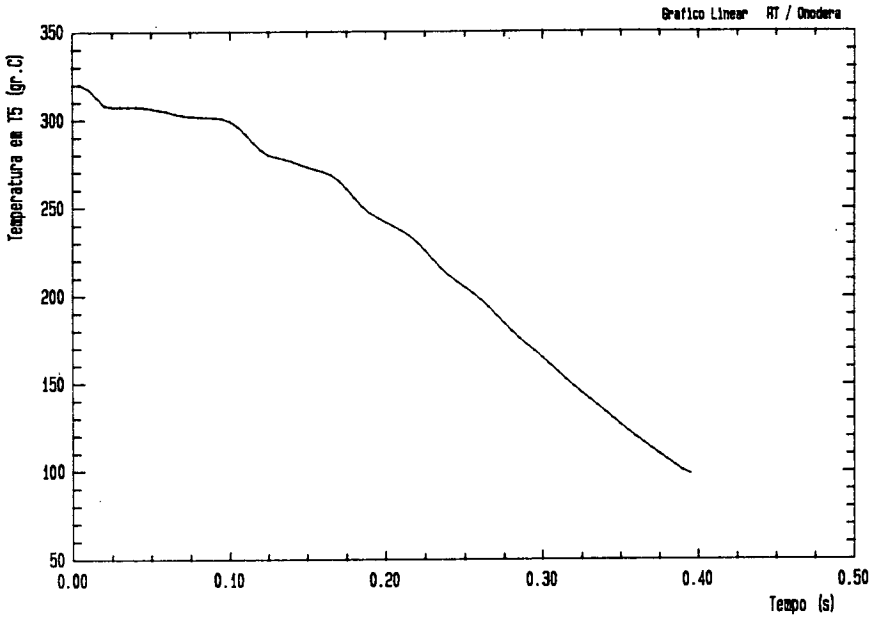


Figura 22 - Evolução temporal da temperatura - Caso C

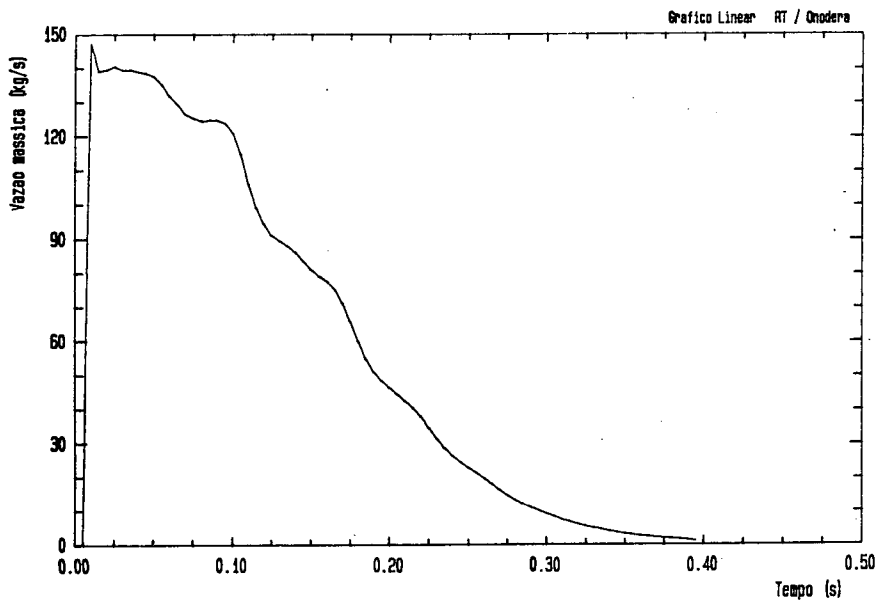
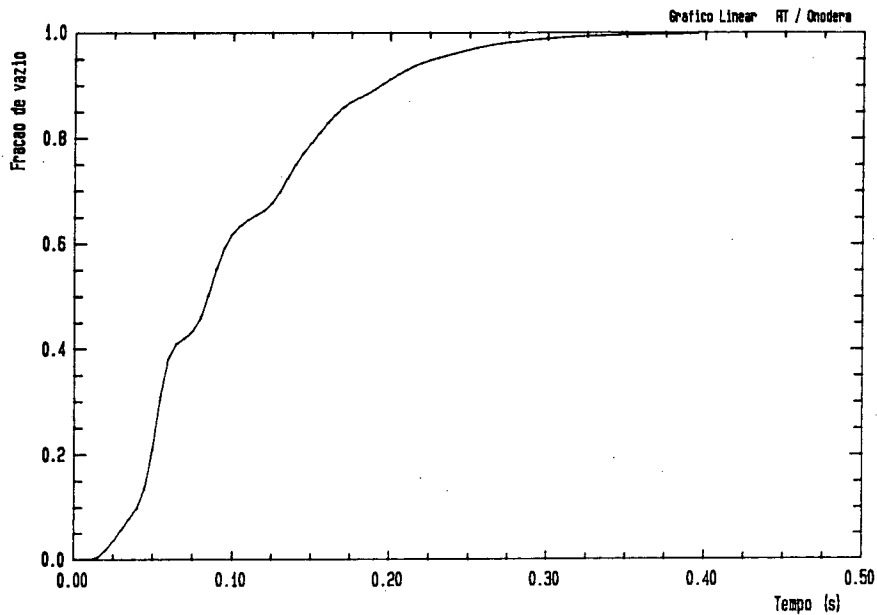


Figura 23 - Evolução temporal da fração de vazão e da vazão massica na ruptura - Caso C

como caracterizar o melhor ou pior desempenho de determinada opção ou modelo de cálculo interno ao Código.

Conforme apresentado no Anexo B, é possível verificar, à guisa de informação, a pronunciada, e em alguns casos a nenhuma, influência que a escolha de um determinado parâmetro do Código exerce sobre os resultados, o que enfatiza o comentário anterior.

Do ponto de vista do autor, a realização do exercício de simulação de determinado problema padrão, como este proposto, é de extrema valia pois permitirá, certamente, um amplo debate entre diversos autores que usem nas simulações códigos iguais ou diferentes, e principalmente, como descrito na referência [2],

- contribuir para o entendimento fenomenológico do problema;
- avaliar os erros obtidos;
- avaliar o desempenho dos modelos e/ou correlações do código para o tipo específico de problema;
- avaliar resultados de diferentes códigos e também de diferentes autores;
- permitir obter informações para quantificar margens de segurança que possam subsidiar projetos e critérios de licenciamento de centrais nucleares;
- aumentar a competência e a compreensão dos usuários dos códigos.

Dessa forma, o autor apoia a realização de novos exercícios com outros problemas padrões e de reavaliação no problema proposto após conhecimento dos resultados experimentais, além de desejar completo êxito no presente Tema Especial do VII ENFIR.

5. Referências bibliográficas

- [1] Aerojet Nuclear Company, RELAP4/MOD5: A Computer Program for Transient Thermal-hydraulic Analysis of Nuclear Reactors and Related Systems, ANCR-NUREG-1335, Idaho National Engineering Laboratory, Idaho Falls, Idaho (1976).
- [2] VII ENFIR, Tema Especial - Simulação de Experiência de Despressurização através de Códigos Computacionais. 7º Encontro Nacional de Física de Reatores e Termohidráulica, Recife, PE (a ser realizado em 1989).

Anexo A

Listagens dos dados de entrada do Código RELAP4/MOD5
para a simulação da Experiência CANON

- A.1 - Listagem para o Caso A
- A.2 - Listagem para o Caso B
- A.3 - Listagem para o Caso C

```

1 = EXPERIENCIA CANON - 32 BAR / 230 GR.C / 100 MM
2 *
3 *
4 *
5 *10001 LDMP EDI TC TRP VOL BUB IDV JUN PMP CKV NLK FLL SLB GOM MAT COR HTX SPROG
6 010001 -2 9 5 3 17 1 0 16 0 1 1 0 0 0 0 0 0
7 *
8 *10002 POWER OMEGA
9 010002 0.0 1.0
10 *
11 * EDICOES MENORES
12 *
13 *02000Y
14 020000 AP 2 AP 5 AP 7 AP 10 AP 14 AP 15 AR 6 VF 6 VG 6
15 *20000 AT 2 AT 5 AT 7 AT 10 AT 14 AT 15 JW 15 AX 6
16 *
17 * DADOS DE INTERVALO DE TEMPO
18 *
19 *3XXX0 NMIN NMAJ NDMP NCHK DELTM DTMIN TLAST
20 030010 10 50 1 0 0.0005 1.E-6 1.0
21 030020 10 25 1 0 0.001 1.E-6 5.0
22 030030 25 20 1 0 0.001 1.E-6 5.0
23 030040 25 20 1 0 0.002 1.E-6 10.0
24 030050 20 25 1 0 0.01 1.E-6 100.0
25 *
26 * DADOS DE TRIP
27 *
28 *4XXX0 IDTRP IDSIG IX1 IX2 SETPI DELAY
29 040010 1 1 0 0 100.0 0.0 ** FIM DESPRESSURIZACAO
30 040020 1 -4 1 0 14.51 0.0 ** FIM - BAIXA PRESSAO VI
31 040030 2 1 0 0 0.005 0.0 ** INICIO DESPRESSURIZACAO
32 *
33 * DADOS DE VOLUME
34 *
35 *5XXX0 IB IREAD PRESSAO TEMPERATURA TITULO VOLUME ZVOL

```

36	050011	0	0	464.12	446.00	-1.0	.09708	.32808	*VOL FECHADO
37	050021	0	0	464.12	446.00	-1.0	.08321	.32808	
38	050031	0	0	464.12	446.00	-1.0	.09236	.32808	
39	050041	0	0	464.12	446.00	-1.0	.08321	.32808	
40	050051	0	0	464.12	446.00	-1.0	.04049	.32808	
41	050061	0	0	464.12	446.00	-1.0	.04049	.32808	
42	050071	0	0	464.12	446.00	-1.0	.04049	.32808	
43	050081	0	0	464.12	446.00	-1.0	.10997	.32808	
44	050091	0	0	464.12	446.00	-1.0	.10401	.32808	
45	050101	0	0	464.12	446.00	-1.0	.11094	.32808	
46	050111	0	0	464.12	446.00	-1.0	.08113	.32808	
47	050121	0	0	464.12	446.00	-1.0	.08321	.32808	
48	050131	0	0	464.12	446.00	-1.0	.08321	.32808	
49	050141	0	0	464.12	446.00	-1.0	.05547	.32808	
50	050151	0	0	464.12	446.00	-1.0	.03994	.32808	
51	050161	0	0	464.12	446.00	-1.0	.07211	.32808	*VOL DE QUEBRA
52	050171	1	0	14.504	72.0	0.0	1. E+10	356.82	*VOL CONTENCAO
53	*								
54	*5XXX2	ZM	JT PMV	FLOWA	DIA MV	ELEV	IAMBLO		
55	050012	.32808	0	.08454	.0	.0	0	*VOL	FECHADO
56	050022	.32808	0	.08454	.0	.0	0		
57	050032	.32808	0	.08454	.0	.0	0		
58	050042	.32808	0	.08454	.0	.0	0		
59	050052	.32808	0	.08454	.0	.0	0		
60	050062	.32808	0	.08454	.0	.0	0		
61	050072	.32808	0	.08454	.0	.0	0		
62	050082	.32808	0	.08454	.0	.0	0		
63	050092	.32808	0	.08454	.0	.0	0		
64	050102	.32808	0	.08454	.0	.0	0		
65	050112	.32808	0	.08454	.0	.0	0		
66	050122	.32808	0	.08454	.0	.0	0		
67	050132	.32808	0	.08454	.0	.0	0		
68	050142	.32808	0	.08454	.0	.0	0		
69	050152	.32808	0	.08454	.0	.0	0		
70	050162	.32808	0	.08454	.0	.0	0	*VOL DE QUEBRA	*VOL DE QUEBRA

71 050172 .01 0 1.E+5 .0 -170. 0 *VOL CONTENCAO ONTENCAO

72 *
73 * DADOS DO MODELO *BUBBLE RISE*

74 *
75 *6XXX1 ALPH VBUB
76 060011 0.0 1.E+6

77 *
78 * DADOS DE JUNCAO

79 *

80	*8XXX1	IW1	IW2	IPUMP	I VALVE	WP	AJUN	ZJUN	INERTA	FJUNF	FJUNR
81	080011	1	2	0	0	.0	.08454	.15404	.0	.0	.0
82	080021	2	3	0	0	.0	.08454	.16404	.0	.0	.0
83	080031	3	4	0	0	.0	.08454	.16404	.0	.0	.0
84	080041	4	5	0	0	.0	.08454	.16404	.0	.0	.0
85	080051	5	6	0	0	.0	.08454	.15404	.0	.0	.0
86	080061	6	7	0	0	.0	.08454	.15404	.0	.0	.0
87	080071	7	8	0	0	.0	.08454	.16404	.0	.0	.0
88	080081	8	9	0	0	.0	.08454	.16404	.0	.0	.0
89	080091	9	10	0	0	.0	.08454	.16404	.0	.0	.0
90	080101	10	11	0	0	.0	.08454	.15404	.0	.0	.0
91	080111	11	12	0	0	.0	.08454	.16404	.0	.0	.0
92	080121	12	13	0	0	.0	.08454	.16404	.0	.0	.0
93	080131	13	14	0	0	.0	.08454	.16404	.0	.0	.0
94	080141	14	15	0	0	.0	.08454	.15404	.0	.0	.0
95	080151	15	16	0	0	.0	.08454	.15404	.0	.0	.0
96	080161	16	17	0	1	.0	.08454	.16404	.0	1.02	.56 *VAL.

97 *

98	*8XXX2	JVERTL	JCHOKE	JCALCI	MVMIX	DIAMJ	CONCD	ICHORE	IHCOR	SRCOS	IADJUN
99	080012	1	5	2	0	.32808	1.0	0	0	.0	0
100	080022	1	5	2	0	.32808	1.0	0	0	.0	0
101	080032	1	5	2	0	.32808	1.0	0	0	.0	0
102	080042	1	5	2	0	.32808	1.0	0	0	.0	0
103	080052	1	5	2	0	.32808	1.0	0	0	.0	0
104	080062	1	5	2	0	.32808	1.0	0	0	.0	0
105	080072	1	5	2	0	.32808	1.0	0	0	.0	0


```

1 = EXPERIENCIA CAVD N - 32 BAR / 230 GR.C / 50 MM
2 *
3 * =CASO B=
4 *
5 *10001 LDMP BDI TC TRP VOL BUB TDV JUN PMP SKV NLK FLL SLB GDM MAT COR HTX SPROG
6 010001 -2 9 5 3 17 1 0 15 0 1 1 0 0 0 0 0 0
7 *
8 *10002 POWER OMEGA
9 010002 0.0 1.0
10 *
11 * EDICÇES MENORES
12 *
13 *02000Y
14 020000 AP 2 AP 5 AP 7 AP 10 AP 14 AP 16 AR 6 VF 6 VG 6
15 *20000 AT 2 AT 5 AT 7 AT 10 AT 14 AT 16 JW 16 AX 6
16 *
17 * DADOS DE INTERVALO DE TEMPO
18 *
19 *3XXX0 NMIN NMAJ NDMP NCHK DELTM DTMIN TLAST
20 030010 10 50 1 0 0.0005 1.E-6 1.0
21 030020 10 25 1 0 0.001 1.E-6 3.0
22 030030 25 20 1 0 0.001 1.E-6 5.0
23 030040 25 20 1 0 0.002 1.E-6 10.0
24 030050 20 25 1 0 0.01 1.E-6 100.0
25 *
26 * DADOS DE TRIP
27 *
28 *4XXX0 IUTRP IDSIG IX1 IX2 SETPT DELAY
29 040010 1 1 0 0 100.0 0.0 ** FIM DESPRESSURIZACAO
30 040020 1 -4 1 0 14.51 0.0 ** FIM - BAIXA PRESSAO V1
31 040030 2 1 0 0 0.005 0.0 ** INICIO DESPRESSURIZACAO
32 *
33 * DADOS DE VOLUME
34 *
35 *5XXX0 IB IREAD PRESSAO TEMPERATURA TITULO VOLUME ZVOL

```

36	050011	0	0	464.12	446.00	-1.0	.09708	.32808	*VOL FECHADO
37	050021	0	0	464.12	446.00	-1.0	.08321	.32808	
38	050031	0	0	464.12	446.00	-1.0	.09236	.32808	
39	050041	0	0	464.12	446.00	-1.0	.08321	.32808	
40	050051	0	0	464.12	446.00	-1.0	.04049	.32808	
41	050061	0	0	464.12	446.00	-1.0	.04049	.32808	
42	050071	0	0	464.12	446.00	-1.0	.04049	.32808	
43	050081	0	0	464.12	446.00	-1.0	.10997	.32808	
44	050091	0	0	464.12	446.00	-1.0	.10401	.32808	
45	050101	0	0	464.12	446.00	-1.0	.11094	.32808	
46	050111	0	0	464.12	446.00	-1.0	.08113	.32808	
47	050121	0	0	464.12	446.00	-1.0	.08321	.32808	
48	050131	0	0	464.12	446.00	-1.0	.08321	.32808	
49	050141	0	0	464.12	446.00	-1.0	.05547	.32808	
50	050151	0	0	464.12	446.00	-1.0	.03994	.32808	
51	050161	0	0	464.12	446.00	-1.0	.07211	.32808	*VOL DE QUEBRA
52	050171	1	0	14.504	72.0	0.0	1.E+10	356.82	*VOL CONTENCAO
53	*								
54	*5XXX2	ZM	JTPMV	FLOWA	DIAMV	ELEV	IAMBLO		
55	050012	.32808	0	.08454	.0	.0	0	*VOL	FECHADO
56	050022	.32808	0	.08454	.0	.0	0		
57	050032	.32808	0	.08454	.0	.0	0		
58	050042	.32808	0	.08454	.0	.0	0		
59	050052	.32808	0	.08454	.0	.0	0		
60	050062	.32808	0	.08454	.0	.0	0		
61	050072	.32808	0	.08454	.0	.0	0		
62	050082	.32808	0	.08454	.0	.0	0		
63	050092	.32808	0	.08454	.0	.0	0		
64	050102	.32808	0	.08454	.0	.0	0		
65	050112	.32808	0	.08454	.0	.0	0		
66	050122	.32808	0	.08454	.0	.0	0		
67	050132	.32808	0	.08454	.0	.0	0		
68	050142	.32808	0	.08454	.0	.0	0		
69	050152	.32808	0	.08454	.0	.0	0		
70	050162	.32808	0	.08454	.0	.0	0		*VOL DE QUEBRA E QUEBRA

```

71 050172 .01 0 1.E+5 .0 -170. 0 *VOL CONTENCAO *CONTENCAO
72 *
73 * DADOS DO MODELO *BUBBLE RISE*
74 *
75 *6XXX1 ALPH VBUB
76 060011 0.0 1.E+6
77 *
78 * DADOS DE JUNCAO
79 *
80 *8XXX1 IW1 IW2 IPUMP IVALVE WP AJJN ZJUN INERTA FJUNF FJUNR
81 080011 1 2 0 0 .0 .08454 .16404 .0 .0 .0
82 080021 2 3 0 0 .0 .08454 .16404 .0 .0 .0
83 080031 3 4 0 0 .0 .08454 .16404 .0 .0 .0
84 080041 4 5 0 0 .0 .08454 .16404 .0 .0 .0
85 080051 5 6 0 0 .0 .08454 .16404 .0 .0 .0
86 080061 6 7 0 0 .0 .08454 .16404 .0 .0 .0
87 080071 7 8 0 0 .0 .08454 .16404 .0 .0 .0
88 080081 8 9 0 0 .0 .08454 .16404 .0 .0 .0
89 080091 9 10 0 0 .0 .08454 .16404 .0 .0 .0
90 080101 10 11 0 0 .0 .08454 .16404 .0 .0 .0
91 080111 11 12 0 0 .0 .08454 .16404 .0 .0 .0
92 080121 12 13 0 0 .0 .08454 .16404 .0 .0 .0
93 080131 13 14 0 0 .0 .08454 .16404 .0 .0 .0
94 080141 14 15 0 0 .0 .08454 .16404 .0 .0 .0
95 080151 15 16 0 0 .0 .08454 .16404 .0 .0 .0
96 080161 16 17 0 1 .0 .02135 .16404 .0 1.02 .56 *VALV
97 *
98 *8XXX2 JVERTL JCHCKE JCALCI MVMIX DIAMJ CONCO ICHCKE IHQCOR SRCOS IADJUN
99 080012 1 5 2 0 .32808 1.0 0 0 .0 .0
100 080022 1 5 2 0 .32808 1.0 0 0 .0 .0
101 080032 1 5 2 0 .32808 1.0 0 0 .0 .0
102 080042 1 5 2 0 .32808 1.0 0 0 .0 .0
103 080052 1 5 2 0 .32808 1.0 0 0 .0 .0
104 080062 1 5 2 0 .32808 1.0 0 0 .0 .0
105 080072 1 5 2 0 .32808 1.0 0 0 .0 .0

```



```

1 = EXPERIENCIA CANON - 150 BAR / 320 GR.C / 100 MM
2 *
3 *
4 *
5 *10001 LDMP EDI TC TRP VOL BUB TDV JUN PMP LKV NLK FLL SLB GOM MAT COR HTX SPRDG
6 010001 -2 9 5 3 17 1 0 16 0 1 1 0 0 0 0 0 0 0
7 *
8 *10002 POWER OMEGA
9 010002 0.0 1.0
10 *
11 * EDICÖES MENORES
12 *
13 *02000Y
14 020000 AP 2 AP 5 AP 7 AP 10 AP 14 AP 16 AR 6 VF 6 VG 5
15 *20000 AT 2 AT 5 AT 7 AT 10 AT 14 AT 15 JW 16 AX 6
16 *
17 * DADOS DE INTERVALO DE TEMPO
18 *
19 *3XXX0 NMIN NMAJ NDMP NCHK DELTM DTMIN TLAST
20 030010 10 50 1 0 0.0005 1.E-6 1.0
21 030020 10 25 1 0 0.001 1.E-6 3.0
22 030030 25 20 1 0 0.001 1.E-6 5.0
23 030040 25 20 1 0 0.002 1.E-6 10.0
24 030050 20 25 1 0 0.01 1.E-6 100.0
25 *
26 * DADOS DE TRIP
27 *
28 *4XXX0 IDTRP IDSIG IX1 IX2 SETPT DELAY
29 040010 1 1 0 0 100.0 0.0 ** FIM DESPRESSURIZACAO
30 040020 1 -4 1 0 14.51 0.0 ** FIM - BAIXA PRESSAO VI
31 040030 2 1 0 0 0.005 0.0 ** INICIO DESPRESSURIZACAO
32 *
33 * DADOS DE VOLUME
34 *
35 *5XXXY IB IREAD PRESSAO TEMPERATURA TITULO VOLUME ZVOL

```

36	050011	0	0	2175.566	608.00	-1.0	.09708	.32808	*VOL FECHADO
37	050021	0	0	2175.566	608.00	-1.0	.08321	.32808	
38	050031	0	0	2175.566	608.00	-1.0	.09236	.32808	
39	050041	0	0	2175.566	608.00	-1.0	.08321	.32808	
40	050051	0	0	2175.566	608.00	-1.0	.04049	.32808	
41	050061	0	0	2175.566	608.00	-1.0	.04049	.32808	
42	050071	0	0	2175.566	608.00	-1.0	.04049	.32808	
43	050081	0	0	2175.566	608.00	-1.0	.10997	.32808	
44	050091	0	0	2175.566	608.00	-1.0	.10401	.32808	
45	050101	0	0	2175.566	608.00	-1.0	.11094	.32808	
46	050111	0	0	2175.566	608.00	-1.0	.08113	.32808	
47	050121	0	0	2175.566	608.00	-1.0	.08321	.32808	
48	050131	0	0	2175.566	608.00	-1.0	.08321	.32808	
49	050141	0	0	2175.566	608.00	-1.0	.05547	.32808	
50	050151	0	0	2175.566	608.00	-1.0	.03994	.32808	
51	050161	0	0	2175.566	608.00	-1.0	.07211	.32808	*VOL DE QUEBRA
52	050171	1	0	14.504	72.0	0.0	1.2+10	356.82	*VOL CONTENCAO

53	*								
54	*5XXX2	ZM	JTPMV	FLOWA	DIAMV	ELEV	IAMBLO		
55	050012	.32808	0	.08454	.0	.0	0	*VOL	FECHADO
56	050022	.32808	0	.08454	.0	.0	0		
57	050032	.32808	0	.08454	.0	.0	0		
58	050042	.32808	0	.08454	.0	.0	0		
59	050052	.32808	0	.08454	.0	.0	0		
60	050062	.32808	0	.08454	.0	.0	0		
61	050072	.32808	0	.08454	.0	.0	0		
62	050082	.32808	0	.08454	.0	.0	0		
63	050092	.32808	0	.08454	.0	.0	0		
64	050102	.32808	0	.08454	.0	.0	0		
65	050112	.32808	0	.08454	.0	.0	0		
66	050122	.32808	0	.08454	.0	.0	0		
67	050132	.32808	0	.08454	.0	.0	0		
68	050142	.32808	0	.08454	.0	.0	0		
69	050152	.32808	0	.08454	.0	.0	0		
70	050162	.32808	0	.08454	.0	.0	0		

VOL DE QUEBRA

71 050172 .01 0 1.E+5 .0 -170 0 *VOL CONTENCAO

CONTENCAO

72 *
73 * DADOS DO MODELO 'BUBBLE RISE'

74 *
75 *6XXX1 ALPH VBUB
76 060011 0.0 1.E+6

77 *
78 * DADOS DE JUNCAO

79 *

80	*8XXX1	IW1	IW2	IPUMP	IVALVE	WP	AJUN	ZJUN	INERTA	FJUNF	FJUNR
81	080011	1	2	0	0	.0	.08454	.16404	.0	.0	.0
82	080021	2	3	0	0	.0	.08454	.16404	.0	.0	.0
83	080031	3	4	0	0	.0	.08454	.16404	.0	.0	.0
84	080041	4	5	0	0	.0	.08454	.16404	.0	.0	.0
85	080051	5	6	0	0	.0	.08454	.16404	.0	.0	.0
86	080061	6	7	0	0	.0	.08454	.16404	.0	.0	.0
87	080071	7	8	0	0	.0	.08454	.16404	.0	.0	.0
88	080081	8	9	0	0	.0	.08454	.16404	.0	.0	.0
89	080091	9	10	0	0	.0	.08454	.16404	.0	.0	.0
90	080101	10	11	0	0	.0	.08454	.16404	.0	.0	.0
91	080111	11	12	0	0	.0	.08454	.16404	.0	.0	.0
92	080121	12	13	0	0	.0	.08454	.16404	.0	.0	.0
93	080131	13	14	0	0	.0	.08454	.16404	.0	.0	.0
94	080141	14	15	0	0	.0	.08454	.16404	.0	.0	.0
95	080151	15	16	0	0	.0	.08454	.16404	.0	.0	.0
96	080161	16	17	0	1	.0	.08454	.16404	.0	1.02	.56

97 *

98	*8XXX2	JVERTL	JCHOKE	JCALCI	MVMIX	DIAMJ	CONCO	ICHOKE	IHQCOR	SRCDS	IADJUN
99	080012	1	5	2	0	.32808	1.0	0	0	.0	.0
100	080022	1	5	2	0	.32808	1.0	0	0	.0	.0
101	080032	1	5	2	0	.32808	1.0	0	0	.0	.0
102	080042	1	5	2	0	.32808	1.0	0	0	.0	.0
103	080052	1	5	2	0	.32808	1.0	0	0	.0	.0
104	080062	1	5	2	0	.32808	1.0	0	0	.0	.0
105	080072	1	5	2	0	.32808	1.0	0	0	.0	.0

Anexo B

Análise paramétrica de opções e modelos de cálculo do
Código RELAP4/MOD5 para a Experiência CANON

A título informativo, foi efetuada a análise paramétrica de alguns parâmetros, conforme descrito na tabela B.1 e mostrado nas figuras B1 à B6.

Tabela B1 - Análise paramétrica de opções e modelos do
Código RELAP4/MOD5

CASO	JTPMV	FJUNF	JCHOKE	ICHOKE	CONCO	TEMPO(s)	
						TRANSIENTE	CPU
A0	0	1.02	5	0	0.6	0.754	144
A1	1	1.02	5	0	0.6	0.754	134
A2	0	0.0	5	0	0.6	0.754	150
A3	0	0.5	5	0	0.6	0.754	148
A4	0	1.02	2	0	0.6	0.486	120
A5	0	1.02	3	0	0.6	0.526	216
A6	0	1.02	4	0	0.6	0.785	180
A7	0	1.02	4	1	0.6	0.785	142
A8	0	1.02	5	0	1.0	0.503	144
A9	0	1.02	5	0	0.3	1.367	208
B0	0	1.02	5	0	0.6	2.585	298
B1	1	1.02	5	0	0.6	2.585	280
B2	0	0.0	5	0	0.6	2.586	306
B3	0	0.5	5	0	0.6	2.586	302
B4	0	1.02	2	0	0.6	2.224	338
B5	0	1.02	3	0	0.6	1.700	264
B6	0	1.02	4	0	0.6	2.968	409
B7	0	1.02	4	1	0.6	2.970	
B8	0	1.02	5	0	1.0	1.609	219
B9	0	1.02	5	0	0.3	5.168	495
C0	0	1.02	5	0	0.6	0.395	104
C1	1	1.02	5	0	0.6	0.396	97
C2	0	0.0	5	0	0.6	0.395	103
C3	0	0.5	5	0	0.6	0.395	103
C4	0	1.02	2	0	0.6	0.238	122
C5	0	1.02	3	0	0.6	0.241	196
C6	0	1.02	4	0	0.6	0.395	118
C7	0	1.02	4	1	0.6	0.396	104
C8	0	1.02	5	0	1.0	0.237	149
C9	0	1.02	5	0	0.3	0.785	155

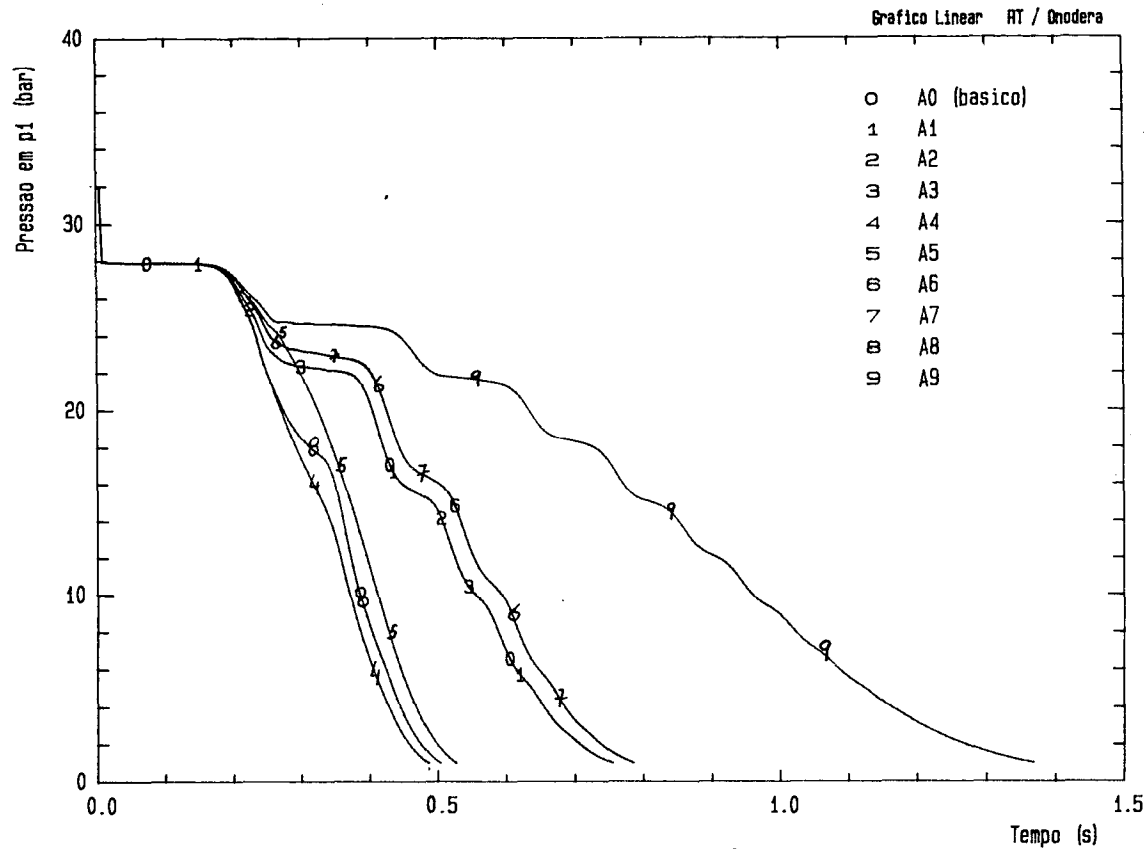


Figura B1 - Evolução temporal da pressão - Caso A

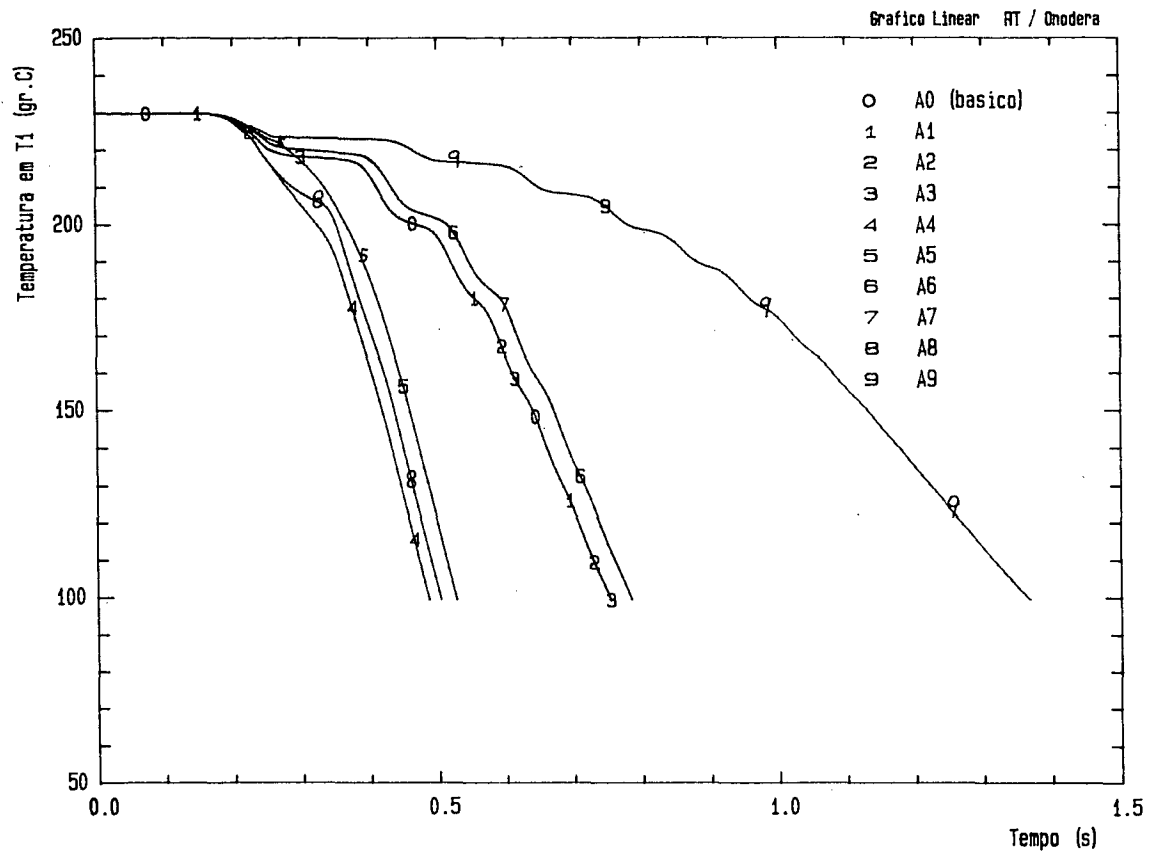


Figura B2 - Evolução temporal da temperatura - Caso, A

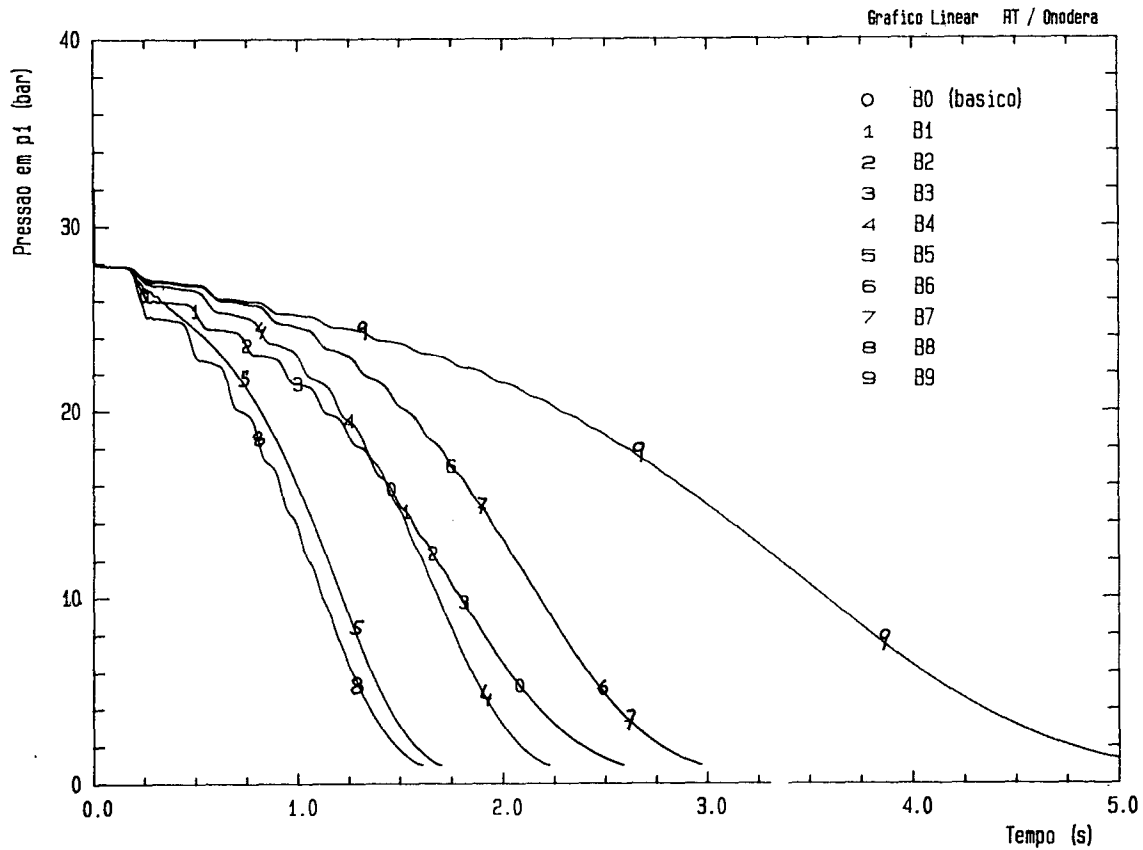


Figura B3 - Evolução temporal da pressão - Caso B

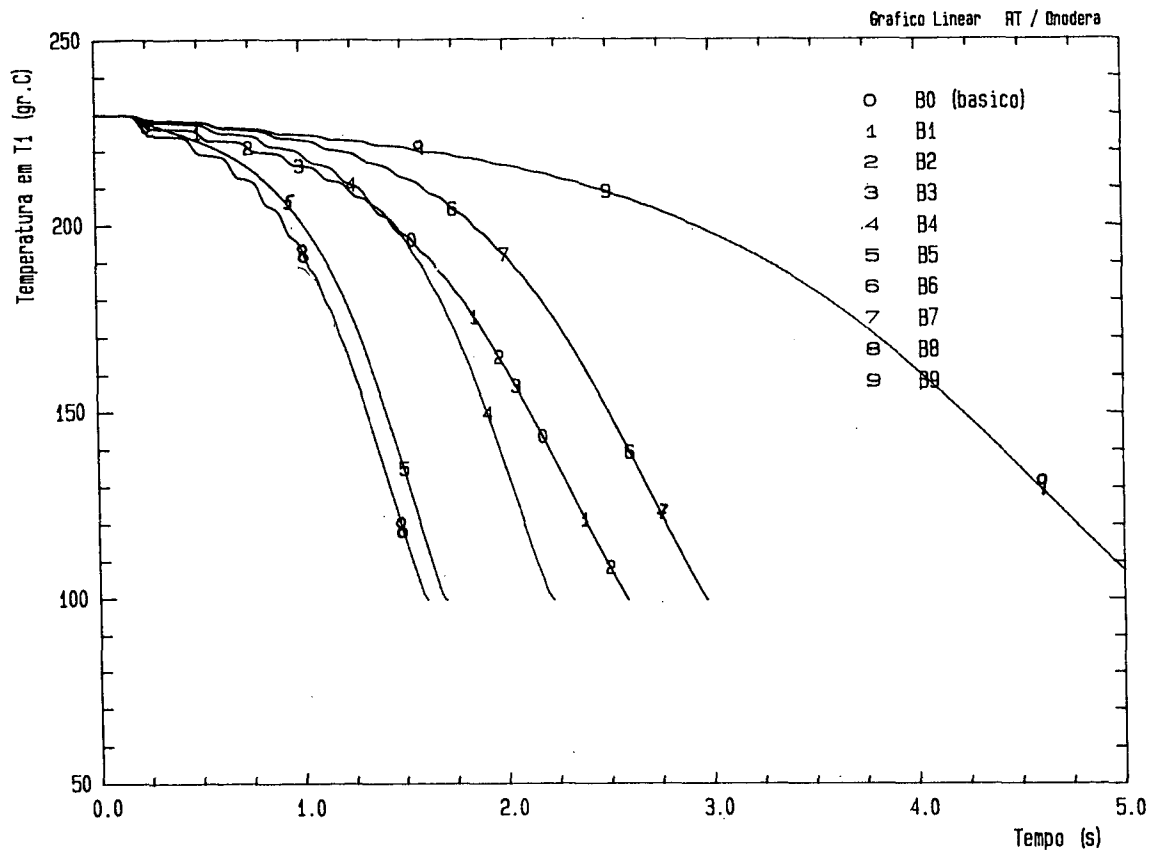


Figura B4 - Evolução temporal da temperatura - Caso B

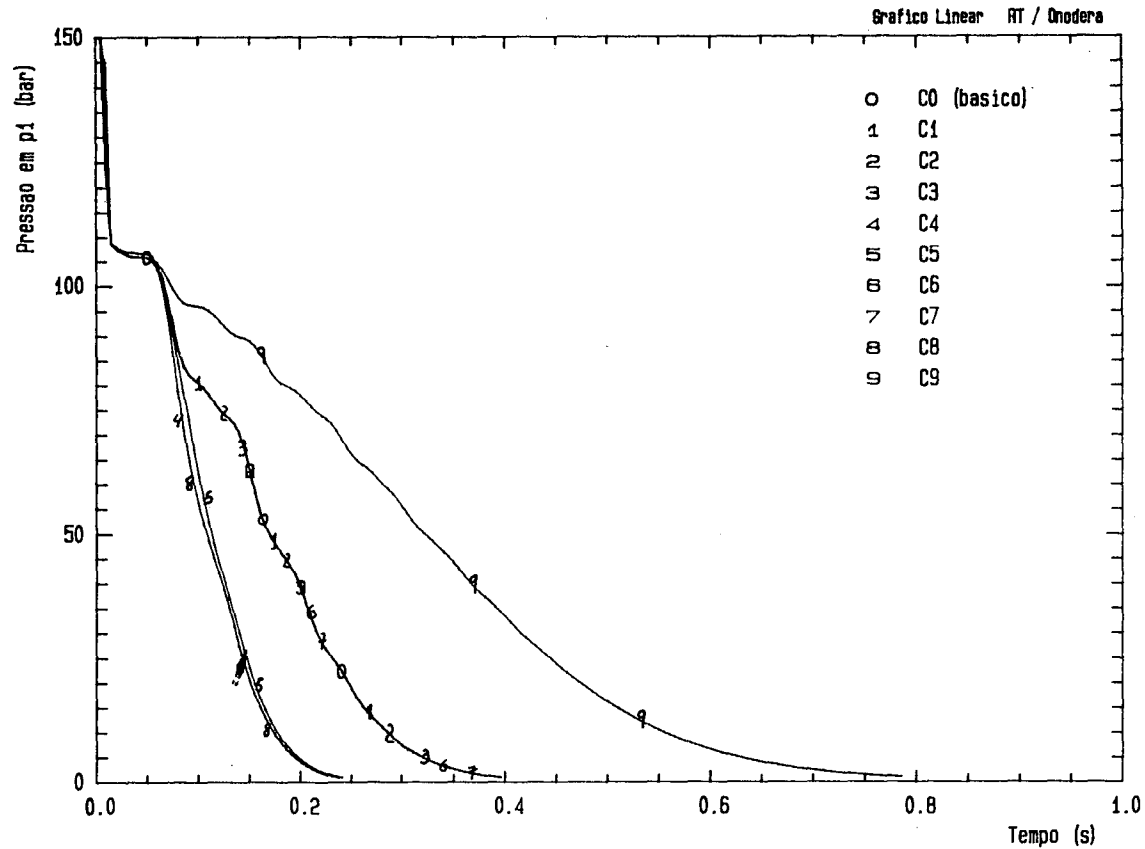


Figura B5 - Evolução temporal da pressão - Caso C

Anexo C

Listagens das resultados obtidas

- C.1 - Listagem para os resultados do Caso A
- C.2 - Listagem para os resultados do Caso B
- C.3 - Listagem para os resultados do Caso C

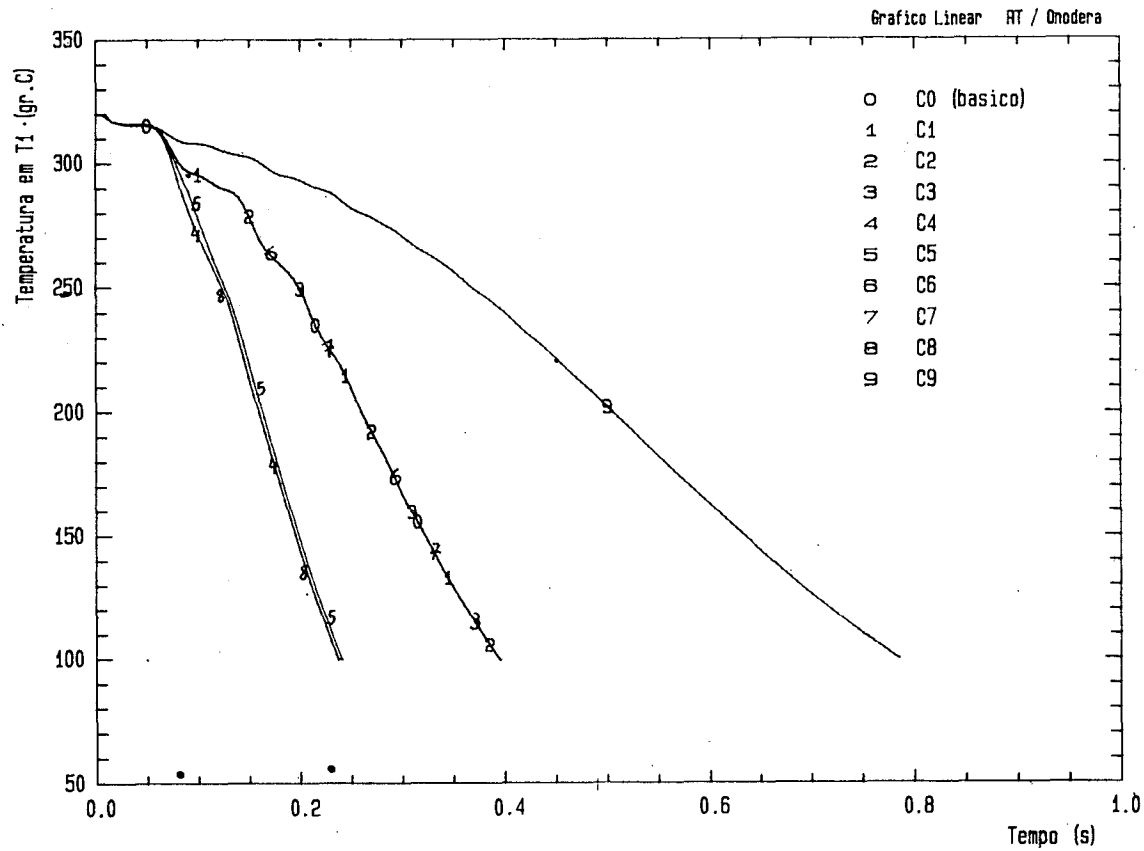


Figura B6 - Evolução temporal da temperatura - Ca - C

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
0.0	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	0.0
5.000E-03	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	0.0
1.000E-02	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.693E+01	5.900E-05
1.500E-02	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.524E+01	2.815E-04
2.000E-02	2.792E+01	2.793E+01	2.793E+01	2.793E+01	2.787E+01	2.460E+01	5.230E-04
2.500E-02	2.791E+01	2.793E+01	2.793E+01	2.793E+01	2.755E+01	2.473E+01	7.278E-04
3.000E-02	2.791E+01	2.793E+01	2.793E+01	2.793E+01	2.670E+01	2.482E+01	9.260E-04
3.500E-02	2.790E+01	2.793E+01	2.793E+01	2.793E+01	2.550E+01	2.488E+01	1.255E-03
4.000E-02	2.789E+01	2.792E+01	2.793E+01	2.793E+01	2.501E+01	2.489E+01	1.815E-03
4.500E-02	2.789E+01	2.792E+01	2.793E+01	2.793E+01	2.513E+01	2.474E+01	2.560E-03
5.000E-02	2.788E+01	2.792E+01	2.793E+01	2.793E+01	2.508E+01	2.473E+01	3.408E-03
5.500E-02	2.788E+01	2.791E+01	2.792E+01	2.793E+01	2.497E+01	2.499E+01	4.320E-03
6.000E-02	2.788E+01	2.791E+01	2.792E+01	2.792E+01	2.491E+01	2.504E+01	5.334E-03
6.500E-02	2.787E+01	2.791E+01	2.792E+01	2.790E+01	2.477E+01	2.480E+01	6.473E-03
7.000E-02	2.787E+01	2.790E+01	2.791E+01	2.785E+01	2.481E+01	2.471E+01	7.697E-03
7.500E-02	2.787E+01	2.790E+01	2.791E+01	2.777E+01	2.508E+01	2.482E+01	8.932E-03
8.000E-02	2.787E+01	2.789E+01	2.790E+01	2.763E+01	2.505E+01	2.488E+01	1.019E-02
8.500E-02	2.787E+01	2.789E+01	2.790E+01	2.740E+01	2.474E+01	2.489E+01	1.152E-02
9.000E-02	2.787E+01	2.788E+01	2.789E+01	2.706E+01	2.473E+01	2.487E+01	1.296E-02
9.500E-02	2.786E+01	2.788E+01	2.789E+01	2.662E+01	2.493E+01	2.473E+01	1.457E-02
1.000E-01	2.786E+01	2.787E+01	2.788E+01	2.615E+01	2.490E+01	2.469E+01	1.650E-02
1.050E-01	2.786E+01	2.787E+01	2.786E+01	2.575E+01	2.485E+01	2.485E+01	1.907E-02
1.100E-01	2.786E+01	2.786E+01	2.783E+01	2.550E+01	2.486E+01	2.488E+01	2.234E-02

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.150E-01	2.786E+01	2.785E+01	2.780E+01	2.538E+01	2.480E+01	2.474E+01	2.860E-02
1.200E-01	2.786E+01	2.784E+01	2.774E+01	2.532E+01	2.484E+01	2.474E+01	3.741E-02
1.250E-01	2.786E+01	2.781E+01	2.766E+01	2.525E+01	2.499E+01	2.489E+01	5.054E-02
1.300E-01	2.786E+01	2.777E+01	2.754E+01	2.517E+01	2.466E+01	2.494E+01	6.947E-02
1.350E-01	2.786E+01	2.771E+01	2.737E+01	2.510E+01	2.459E+01	2.489E+01	9.573E-02
1.400E-01	2.786E+01	2.762E+01	2.715E+01	2.504E+01	2.468E+01	2.475E+01	1.306E-01
1.450E-01	2.786E+01	2.749E+01	2.686E+01	2.502E+01	2.494E+01	2.458E+01	1.748E-01
1.500E-01	2.785E+01	2.732E+01	2.651E+01	2.501E+01	2.497E+01	2.463E+01	2.275E-01
1.550E-01	2.784E+01	2.710E+01	2.615E+01	2.500E+01	2.485E+01	2.486E+01	2.849E-01
1.600E-01	2.783E+01	2.682E+01	2.584E+01	2.498E+01	2.472E+01	2.491E+01	3.403E-01
1.650E-01	2.780E+01	2.650E+01	2.563E+01	2.495E+01	2.460E+01	2.472E+01	3.858E-01
1.700E-01	2.776E+01	2.619E+01	2.550E+01	2.490E+01	2.470E+01	2.461E+01	4.174E-01
1.750E-01	2.771E+01	2.593E+01	2.543E+01	2.485E+01	2.493E+01	2.466E+01	4.372E-01
1.800E-01	2.763E+01	2.573E+01	2.537E+01	2.483E+01	2.490E+01	2.475E+01	4.491E-01
1.850E-01	2.752E+01	2.559E+01	2.531E+01	2.484E+01	2.468E+01	2.481E+01	4.578E-01
1.900E-01	2.738E+01	2.548E+01	2.523E+01	2.487E+01	2.462E+01	2.476E+01	4.664E-01
1.950E-01	2.719E+01	2.541E+01	2.515E+01	2.490E+01	2.469E+01	2.463E+01	4.747E-01
2.000E-01	2.695E+01	2.534E+01	2.510E+01	2.490E+01	2.473E+01	2.458E+01	4.819E-01
2.050E-01	2.666E+01	2.527E+01	2.509E+01	2.489E+01	2.474E+01	2.464E+01	4.874E-01
2.100E-01	2.634E+01	2.519E+01	2.507E+01	2.487E+01	2.471E+01	2.465E+01	4.915E+01
2.150E-01	2.602E+01	2.513E+01	2.503E+01	2.483E+01	2.468E+01	2.459E+01	4.953E-01
2.200E-01	2.572E+01	2.508E+01	2.498E+01	2.482E+01	2.469E+01	2.459E+01	4.994E-01
2.250E-01	2.544E+01	2.503E+01	2.494E+01	2.483E+01	2.476E+01	2.465E+01	5.048E-01

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
2.300E-01	2.513E+01	2.496E+01	2.490E+01	2.485E+01	2.470E+01	2.470E+01	5.105E-01
2.350E-01	2.476E+01	2.486E+01	2.485E+01	2.485E+01	2.460E+01	2.471E+01	5.173E-01
2.400E-01	2.431E+01	2.472E+01	2.477E+01	2.481E+01	2.463E+01	2.466E+01	5.265E-01
2.450E-01	2.384E+01	2.454E+01	2.467E+01	2.475E+01	2.470E+01	2.459E+01	5.389E-01
2.500E-01	2.346E+01	2.430E+01	2.451E+01	2.471E+01	2.470E+01	2.461E+01	5.553E-01
2.550E-01	2.321E+01	2.401E+01	2.429E+01	2.469E+01	2.469E+01	2.467E+01	5.760E-01
2.600E-01	2.304E+01	2.368E+01	2.400E+01	2.465E+01	2.464E+01	2.465E+01	6.000E-01
2.650E-01	2.288E+01	2.334E+01	2.368E+01	2.455E+01	2.461E+01	2.459E+01	6.237E-01
2.700E-01	2.272E+01	2.307E+01	2.338E+01	2.437E+01	2.462E+01	2.458E+01	6.427E-01
2.750E-01	2.261E+01	2.290E+01	2.313E+01	2.413E+01	2.459E+01	2.458E+01	6.552E-01
2.800E-01	2.254E+01	2.280E+01	2.293E+01	2.384E+01	2.446E+01	2.452E+01	6.631E-01
2.850E-01	2.248E+01	2.271E+01	2.278E+01	2.356E+01	2.436E+01	2.441E+01	6.697E-01
2.900E-01	2.242E+01	2.260E+01	2.266E+01	2.325E+01	2.429E+01	2.425E+01	6.763E-01
2.950E-01	2.238E+01	2.250E+01	2.256E+01	2.297E+01	2.410E+01	2.409E+01	6.821E-01
3.000E-01	2.236E+01	2.242E+01	2.248E+01	2.277E+01	2.378E+01	2.389E+01	6.860E-01
3.050E-01	2.235E+01	2.238E+01	2.242E+01	2.263E+01	2.340E+01	2.345E+01	6.885E-01
3.100E-01	2.232E+01	2.233E+01	2.236E+01	2.254E+01	2.304E+01	2.273E+01	6.912E-01
3.150E-01	2.228E+01	2.228E+01	2.230E+01	2.247E+01	2.268E+01	2.189E+01	6.942E-01
3.200E-01	2.226E+01	2.224E+01	2.225E+01	2.240E+01	2.206E+01	2.111E+01	6.967E-01
3.250E-01	2.226E+01	2.221E+01	2.222E+01	2.231E+01	2.129E+01	2.043E+01	6.980E-01
3.300E-01	2.224E+01	2.220E+01	2.220E+01	2.220E+01	2.068E+01	1.983E+01	6.987E-01
3.350E-01	2.220E+01	2.219E+01	2.218E+01	2.206E+01	2.017E+01	1.947E+01	6.994E-01
3.400E-01	2.215E+01	2.218E+01	2.216E+01	2.187E+01	1.969E+01	1.928E+01	7.003E-01

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
3.450E-01	2.212E+01	2.215E+01	2.213E+01	2.159E+01	1.936E+01	1.909E+01	7.013E-01
3.500E-01	2.211E+01	2.211E+01	2.208E+01	2.117E+01	1.916E+01	1.892E+01	7.033E-01
3.550E-01	2.209E+01	2.205E+01	2.198E+01	2.068E+01	1.898E+01	1.878E+01	7.072E-01
3.600E-01	2.206E+01	2.195E+01	2.181E+01	2.023E+01	1.885E+01	1.866E+01	7.135E-01
3.650E-01	2.202E+01	2.180E+01	2.157E+01	1.988E+01	1.876E+01	1.859E+01	7.222E-01
3.700E-01	2.198E+01	2.159E+01	2.126E+01	1.959E+01	1.867E+01	1.857E+01	7.333E-01
3.750E-01	2.191E+01	2.131E+01	2.088E+01	1.934E+01	1.860E+01	1.854E+01	7.470E-01
3.800E-01	2.179E+01	2.095E+01	2.046E+01	1.914E+01	1.857E+01	1.851E+01	7.623E-01
3.850E-01	2.160E+01	2.055E+01	2.007E+01	1.898E+01	1.854E+01	1.849E+01	7.767E-01
3.900E-01	2.133E+01	2.017E+01	1.975E+01	1.885E+01	1.849E+01	1.846E+01	7.885E-01
3.950E-01	2.096E+01	1.984E+01	1.950E+01	1.874E+01	1.845E+01	1.840E+01	7.976E-01
4.000E-01	2.050E+01	1.954E+01	1.927E+01	1.865E+01	1.842E+01	1.833E+01	8.053E-01
4.050E-01	1.995E+01	1.926E+01	1.906E+01	1.859E+01	1.837E+01	1.828E+01	8.123E-01
4.100E-01	1.934E+01	1.897E+01	1.884E+01	1.853E+01	1.831E+01	1.824E+01	8.192E-01
4.150E-01	1.872E+01	1.864E+01	1.859E+01	1.846E+01	1.827E+01	1.819E+01	8.266E-01
4.200E-01	1.811E+01	1.826E+01	1.829E+01	1.837E+01	1.822E+01	1.816E+01	8.351E-01
4.250E-01	1.755E+01	1.783E+01	1.794E+01	1.822E+01	1.816E+01	1.812E+01	8.443E-01
4.300E-01	1.709E+01	1.740E+01	1.755E+01	1.801E+01	1.808E+01	1.804E+01	8.533E-01
4.350E-01	1.671E+01	1.700E+01	1.717E+01	1.771E+01	1.796E+01	1.791E+01	8.614E-01
4.400E-01	1.640E+01	1.667E+01	1.682E+01	1.736E+01	1.775E+01	1.768E+01	8.681E-01
4.450E-01	1.616E+01	1.640E+01	1.651E+01	1.699E+01	1.745E+01	1.732E+01	8.735E-01
4.500E-01	1.597E+01	1.617E+01	1.626E+01	1.665E+01	1.702E+01	1.680E+01	8.779E-01
4.550E-01	1.584E+01	1.597E+01	1.603E+01	1.634E+01	1.647E+01	1.615E+01	8.817E-01

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
4.600E-01	1.573E+01	1.580E+01	1.584E+01	1.606E+01	1.583E+01	1.544E+01	8.848E-01
4.650E-01	1.564E+01	1.565E+01	1.568E+01	1.577E+01	1.517E+01	1.478E+01	8.873E-01
4.700E-01	1.555E+01	1.554E+01	1.554E+01	1.543E+01	1.455E+01	1.421E+01	8.894E-01
4.750E-01	1.546E+01	1.543E+01	1.540E+01	1.503E+01	1.402E+01	1.375E+01	8.913E-01
4.800E-01	1.536E+01	1.530E+01	1.522E+01	1.459E+01	1.360E+01	1.337E+01	8.938E-01
4.850E-01	1.526E+01	1.510E+01	1.497E+01	1.416E+01	1.325E+01	1.302E+01	8.972E-01
4.900E-01	1.511E+01	1.482E+01	1.464E+01	1.378E+01	1.295E+01	1.275E+01	9.017E-01
4.950E-01	1.491E+01	1.448E+01	1.426E+01	1.345E+01	1.272E+01	1.256E+01	9.068E-01
5.000E-01	1.461E+01	1.411E+01	1.389E+01	1.317E+01	1.254E+01	1.242E+01	9.119E-01
5.050E-01	1.420E+01	1.373E+01	1.353E+01	1.291E+01	1.240E+01	1.231E+01	9.164E-01
5.100E-01	1.369E+01	1.334E+01	1.320E+01	1.268E+01	1.228E+01	1.220E+01	9.211E-01
5.150E-01	1.313E+01	1.294E+01	1.285E+01	1.247E+01	1.217E+01	1.209E+01	9.255E-01
5.200E-01	1.257E+01	1.250E+01	1.246E+01	1.226E+01	1.205E+01	1.197E+01	9.301E-01
5.250E-01	1.203E+01	1.205E+01	1.205E+01	1.203E+01	1.192E+01	1.184E+01	9.347E-01
5.300E-01	1.155E+01	1.160E+01	1.163E+01	1.175E+01	1.174E+01	1.164E+01	9.390E-01
5.350E-01	1.113E+01	1.120E+01	1.125E+01	1.142E+01	1.145E+01	1.120E+01	9.427E-01
5.400E-01	1.077E+01	1.086E+01	1.091E+01	1.109E+01	1.097E+01	1.077E+01	9.459E-01
5.450E-01	1.047E+01	1.056E+01	1.050E+01	1.075E+01	1.048E+01	1.026E+01	9.485E-01
5.500E-01	1.022E+01	1.030E+01	1.033E+01	1.037E+01	9.950E+00	9.716E+00	9.508E-01
5.550E-01	1.002E+01	1.006E+01	1.007E+01	9.938E+00	9.433E+00	9.190E+00	9.528E-01
5.600E-01	9.838E+00	9.813E+00	9.782E+00	9.510E+00	8.942E+00	8.721E+00	9.549E-01
5.650E-01	9.657E+00	9.536E+00	9.459E+00	9.091E+00	8.507E+00	8.317E+00	9.573E-01
5.700E-01	9.431E+00	9.225E+00	9.126E+00	8.693E+00	8.135E+00	7.968E+00	9.597E-01

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
5.750E-01	7.120E+00	6.978E+00	6.772E+00	6.397E+00	7.819E+00	7.677E+00	9.621E-01
5.800E-01	6.748E+00	6.549E+00	6.447E+00	6.026E+00	7.560E+00	7.440E+00	9.644E-01
5.850E-01	6.315E+00	6.167E+00	6.036E+00	7.743E+00	7.350E+00	7.250E+00	9.669E-01
5.900E-01	7.860E+00	7.758E+00	7.705E+00	7.467E+00	7.169E+00	7.089E+00	9.694E-01
5.950E-01	7.410E+00	7.349E+00	7.318E+00	7.179E+00	6.990E+00	6.920E+00	9.718E-01
6.000E-01	6.964E+00	6.959E+00	6.944E+00	6.888E+00	6.777E+00	6.705E+00	9.740E-01
6.050E-01	6.506E+00	6.506E+00	6.504E+00	6.565E+00	6.506E+00	6.416E+00	9.760E-01
6.100E-01	6.051E+00	6.263E+00	6.275E+00	6.296E+00	6.180E+00	6.064E+00	9.777E-01
6.150E-01	5.597E+00	5.980E+00	5.990E+00	6.001E+00	5.817E+00	5.687E+00	9.792E-01
6.200E-01	5.132E+00	5.723E+00	5.723E+00	5.692E+00	5.445E+00	5.318E+00	9.805E-01
6.250E-01	5.482E+00	5.481E+00	5.473E+00	5.371E+00	5.092E+00	4.972E+00	9.817E-01
6.300E-01	5.279E+00	5.239E+00	5.212E+00	5.054E+00	4.768E+00	4.659E+00	9.828E-01
6.350E-01	5.066E+00	4.989E+00	4.949E+00	4.759E+00	4.482E+00	4.386E+00	9.840E-01
6.400E-01	4.822E+00	4.733E+00	4.688E+00	4.493E+00	4.233E+00	4.149E+00	9.851E-01
6.450E-01	4.547E+00	4.470E+00	4.431E+00	4.253E+00	4.020E+00	3.947E+00	9.862E-01
6.500E-01	4.255E+00	4.200E+00	4.171E+00	4.031E+00	3.836E+00	3.774E+00	9.873E-01
6.550E-01	3.965E+00	3.930E+00	3.911E+00	3.814E+00	3.667E+00	3.614E+00	9.884E-01
6.600E-01	3.692E+00	3.671E+00	3.660E+00	3.599E+00	3.494E+00	3.444E+00	9.894E-01
6.650E-01	3.443E+00	3.432E+00	3.426E+00	3.391E+00	3.303E+00	3.250E+00	9.903E-01
6.700E-01	3.220E+00	3.216E+00	3.213E+00	3.189E+00	3.097E+00	3.039E+00	9.910E-01
6.750E-01	3.023E+00	3.022E+00	3.020E+00	2.992E+00	2.882E+00	2.820E+00	9.917E-01
6.800E-01	2.850E+00	2.845E+00	2.840E+00	2.797E+00	2.670E+00	2.611E+00	9.923E-01
6.850E-01	2.692E+00	2.678E+00	2.669E+00	2.607E+00	2.475E+00	2.420E+00	9.929E-01

LISTAGEM DOS RESULTADOS DO CASO A

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
6.900E-01	2.541E+00	2.516E+00	2.502E+00	2.426E+00	2.298E+00	2.249E+00	9.934E-01
6.950E-01	2.387E+00	2.356E+00	2.340E+00	2.261E+00	2.142E+00	2.098E+00	9.939E-01
7.000E-01	2.228E+00	2.199E+00	2.183E+00	2.111E+00	2.003E+00	1.965E+00	9.944E-01
7.050E-01	2.066E+00	2.044E+00	2.032E+00	1.973E+00	1.880E+00	1.847E+00	9.949E-01
7.100E-01	1.911E+00	1.895E+00	1.887E+00	1.842E+00	1.766E+00	1.736E+00	9.953E-01
7.150E-01	1.765E+00	1.755E+00	1.749E+00	1.717E+00	1.655E+00	1.627E+00	9.957E-01
7.200E-01	1.633E+00	1.626E+00	1.622E+00	1.598E+00	1.543E+00	1.516E+00	9.961E-01
7.250E-01	1.515E+00	1.510E+00	1.506E+00	1.485E+00	1.432E+00	1.406E+00	9.964E-01
7.300E-01	1.409E+00	1.403E+00	1.400E+00	1.377E+00	1.324E+00	1.300E+00	9.967E-01
7.350E-01	1.312E+00	1.306E+00	1.302E+00	1.276E+00	1.224E+00	1.202E+00	9.970E-01
7.400E-01	1.223E+00	1.215E+00	1.210E+00	1.182E+00	1.132E+00	1.113E+00	9.972E-01
7.450E-01	1.138E+00	1.128E+00	1.123E+00	1.096E+00	1.051E+00	1.033E+00	9.974E-01
7.500E-01	1.056E+00	1.047E+00	1.042E+00	1.017E+00	9.803E-01	9.863E-01	9.977E-01
7.540E-01	9.927E-01	9.850E-01	9.807E-01	9.594E-01	9.595E-01	9.870E-01	9.978E-01

LISTAGEM DOS RESULTADOS DO CASO A (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
0.0	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	0.000E+00
5.000E-03	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	0.000E+00
1.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.279E+02	1.256E+02
1.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.244E+02	7.320E+01
2.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.298E+02	2.231E+02	6.111E+01
2.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.292E+02	2.234E+02	6.145E+01
3.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.275E+02	2.236E+02	6.305E+01
3.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.250E+02	2.237E+02	6.372E+01
4.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.240E+02	2.237E+02	6.432E+01
4.500E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.242E+02	2.234E+02	6.287E+01
5.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.241E+02	2.234E+02	6.174E+01
5.500E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.239E+02	2.239E+02	6.445E+01
6.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.236E+02	2.240E+02	6.649E+01
6.500E-02	2.298E+02	2.299E+02	2.299E+02	2.298E+02	2.235E+02	2.235E+02	6.397E+01
7.000E-02	2.298E+02	2.299E+02	2.299E+02	2.298E+02	2.235E+02	2.233E+02	6.179E+01
7.500E-02	2.298E+02	2.298E+02	2.299E+02	2.296E+02	2.241E+02	2.236E+02	6.269E+01
8.000E-02	2.298E+02	2.298E+02	2.299E+02	2.293E+02	2.240E+02	2.237E+02	6.360E+01
8.500E-02	2.298E+02	2.298E+02	2.299E+02	2.289E+02	2.234E+02	2.237E+02	6.405E+01
9.000E-02	2.298E+02	2.298E+02	2.298E+02	2.282E+02	2.234E+02	2.237E+02	6.405E+01
9.500E-02	2.298E+02	2.298E+02	2.298E+02	2.273E+02	2.238E+02	2.234E+02	6.262E+01
1.000E-01	2.298E+02	2.298E+02	2.298E+02	2.263E+02	2.237E+02	2.233E+02	6.139E+01
1.050E-01	2.298E+02	2.298E+02	2.298E+02	2.255E+02	2.236E+02	2.236E+02	6.290E+01
1.100E-01	2.298E+02	2.298E+02	2.297E+02	2.250E+02	2.236E+02	2.237E+02	6.419E+01

LISTAGEM DOS RESULTADOS DO CASO A (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.150E-01	2.298E+02	2.298E+02	2.296E+02	2.247E+02	2.235E+02	2.234E+02	6.272E+01
1.200E-01	2.298E+02	2.297E+02	2.295E+02	2.246E+02	2.236E+02	2.234E+02	6.194E+01
1.250E-01	2.298E+02	2.297E+02	2.294E+02	2.245E+02	2.239E+02	2.237E+02	6.358E+01
1.300E-01	2.298E+02	2.296E+02	2.291E+02	2.243E+02	2.237E+02	2.238E+02	6.478E+01
1.350E-01	2.298E+02	2.295E+02	2.288E+02	2.241E+02	2.231E+02	2.237E+02	6.441E+01
1.400E-01	2.298E+02	2.293E+02	2.284E+02	2.240E+02	2.233E+02	2.234E+02	6.287E+01
1.450E-01	2.298E+02	2.291E+02	2.278E+02	2.240E+02	2.238E+02	2.230E+02	6.071E+01
1.500E-01	2.298E+02	2.287E+02	2.271E+02	2.240E+02	2.239E+02	2.231E+02	6.027E+01
1.550E-01	2.297E+02	2.283E+02	2.264E+02	2.239E+02	2.236E+02	2.236E+02	6.286E+01
1.600E-01	2.297E+02	2.277E+02	2.257E+02	2.239E+02	2.233E+02	2.237E+02	6.451E+01
1.650E-01	2.297E+02	2.271E+02	2.253E+02	2.238E+02	2.231E+02	2.233E+02	6.273E+01
1.700E-01	2.298E+02	2.264E+02	2.250E+02	2.237E+02	2.233E+02	2.231E+02	6.077E+01
1.750E-01	2.295E+02	2.259E+02	2.248E+02	2.236E+02	2.238E+02	2.232E+02	6.002E+01
1.800E-01	2.293E+02	2.255E+02	2.247E+02	2.236E+02	2.237E+02	2.234E+02	6.188E+01
1.850E-01	2.291E+02	2.252E+02	2.246E+02	2.236E+02	2.233E+02	2.235E+02	6.285E+01
1.900E-01	2.288E+02	2.250E+02	2.244E+02	2.237E+02	2.231E+02	2.234E+02	6.277E+01
1.950E-01	2.284E+02	2.248E+02	2.243E+02	2.237E+02	2.233E+02	2.231E+02	6.125E+01
2.000E-01	2.280E+02	2.247E+02	2.242E+02	2.237E+02	2.234E+02	2.230E+02	6.014E+01
2.050E-01	2.274E+02	2.245E+02	2.241E+02	2.237E+02	2.234E+02	2.232E+02	6.053E+01
2.100E-01	2.267E+02	2.243E+02	2.241E+02	2.237E+02	2.233E+02	2.232E+02	6.105E+01
2.150E-01	2.261E+02	2.242E+02	2.240E+02	2.236E+02	2.232E+02	2.231E+02	6.044E+01
2.200E-01	2.255E+02	2.241E+02	2.239E+02	2.236E+02	2.233E+02	2.231E+02	6.012E+01
2.250E-01	2.249E+02	2.240E+02	2.238E+02	2.236E+02	2.234E+02	2.232E+02	6.073E+01

LISTAGEM DOS RESULTADOS DO CASO A (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
2.300E-01	2.242E+02	2.236E+02	2.237E+02	2.236E+02	2.233E+02	2.233E+02	6.143E+01
2.350E-01	2.234E+02	2.236E+02	2.236E+02	2.236E+02	2.231E+02	2.233E+02	6.174E+01
2.400E-01	2.225E+02	2.234E+02	2.235E+02	2.235E+02	2.232E+02	2.232E+02	6.135E+01
2.450E-01	2.214E+02	2.230E+02	2.232E+02	2.234E+02	2.233E+02	2.231E+02	6.049E+01
2.500E-01	2.206E+02	2.224E+02	2.229E+02	2.233E+02	2.233E+02	2.231E+02	6.036E+01
2.550E-01	2.200E+02	2.218E+02	2.224E+02	2.233E+02	2.233E+02	2.232E+02	6.105E+01
2.600E-01	2.196E+02	2.211E+02	2.218E+02	2.232E+02	2.232E+02	2.232E+02	6.114E+01
2.650E-01	2.193E+02	2.203E+02	2.211E+02	2.230E+02	2.231E+02	2.231E+02	6.048E+01
2.700E-01	2.189E+02	2.197E+02	2.204E+02	2.226E+02	2.231E+02	2.230E+02	6.015E+01
2.750E-01	2.187E+02	2.193E+02	2.198E+02	2.221E+02	2.231E+02	2.230E+02	6.013E+01
2.800E-01	2.185E+02	2.191E+02	2.194E+02	2.215E+02	2.228E+02	2.229E+02	5.970E+01
2.850E-01	2.184E+02	2.189E+02	2.191E+02	2.208E+02	2.226E+02	2.227E+02	5.861E+01
2.900E-01	2.182E+02	2.186E+02	2.188E+02	2.201E+02	2.224E+02	2.223E+02	5.698E+01
2.950E-01	2.181E+02	2.184E+02	2.185E+02	2.195E+02	2.220E+02	2.220E+02	5.526E+01
3.000E-01	2.181E+02	2.182E+02	2.184E+02	2.190E+02	2.213E+02	2.215E+02	5.388E+01
3.050E-01	2.181E+02	2.181E+02	2.182E+02	2.187E+02	2.204E+02	2.206E+02	5.278E+01
3.100E-01	2.180E+02	2.180E+02	2.181E+02	2.185E+02	2.197E+02	2.189E+02	5.091E+01
3.150E-01	2.179E+02	2.179E+02	2.179E+02	2.183E+02	2.188E+02	2.170E+02	4.859E+01
3.200E-01	2.179E+02	2.178E+02	2.178E+02	2.182E+02	2.174E+02	2.151E+02	4.633E+01
3.250E-01	2.178E+02	2.177E+02	2.178E+02	2.180E+02	2.156E+02	2.134E+02	4.434E+01
3.300E-01	2.178E+02	2.177E+02	2.177E+02	2.177E+02	2.141E+02	2.120E+02	4.258E+01
3.350E-01	2.177E+02	2.177E+02	2.177E+02	2.174E+02	2.128E+02	2.110E+02	4.134E+01
3.400E-01	2.176E+02	2.177E+02	2.176E+02	2.169E+02	2.116E+02	2.105E+02	4.070E+01

LISTAGEM DOS RESULTADOS DO CASO A (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
3.450E-01	2.175E+02	2.176E+02	2.176E+02	2.163E+02	2.107E+02	2.100E+02	4.015E+01
3.500E-01	2.175E+02	2.175E+02	2.174E+02	2.153E+02	2.102E+02	2.096E+02	3.965E+01
3.550E-01	2.175E+02	2.174E+02	2.172E+02	2.141E+02	2.097E+02	2.092E+02	3.924E+01
3.600E-01	2.174E+02	2.171E+02	2.168E+02	2.130E+02	2.094E+02	2.089E+02	3.887E+01
3.650E-01	2.173E+02	2.168E+02	2.162E+02	2.121E+02	2.092E+02	2.087E+02	3.864E+01
3.700E-01	2.172E+02	2.163E+02	2.155E+02	2.113E+02	2.089E+02	2.086E+02	3.854E+01
3.750E-01	2.170E+02	2.156E+02	2.146E+02	2.107E+02	2.087E+02	2.086E+02	3.846E+01
3.800E-01	2.167E+02	2.147E+02	2.135E+02	2.102E+02	2.087E+02	2.085E+02	3.837E+01
3.850E-01	2.163E+02	2.137E+02	2.125E+02	2.098E+02	2.086E+02	2.084E+02	3.830E+01
3.900E-01	2.156E+02	2.128E+02	2.117E+02	2.094E+02	2.085E+02	2.084E+02	3.824E+01
3.950E-01	2.148E+02	2.120E+02	2.111E+02	2.091E+02	2.083E+02	2.082E+02	3.810E+01
4.000E-01	2.136E+02	2.112E+02	2.105E+02	2.089E+02	2.083E+02	2.080E+02	3.790E+01
4.050E-01	2.122E+02	2.105E+02	2.099E+02	2.087E+02	2.081E+02	2.079E+02	3.774E+01
4.100E-01	2.107E+02	2.097E+02	2.094E+02	2.085E+02	2.080E+02	2.078E+02	3.761E+01
4.150E-01	2.091E+02	2.088E+02	2.087E+02	2.084E+02	2.078E+02	2.076E+02	3.748E+01
4.200E-01	2.074E+02	2.078E+02	2.079E+02	2.081E+02	2.077E+02	2.075E+02	3.738E+01
4.250E-01	2.059E+02	2.066E+02	2.069E+02	2.077E+02	2.076E+02	2.074E+02	3.727E+01
4.300E-01	2.046E+02	2.054E+02	2.059E+02	2.071E+02	2.073E+02	2.072E+02	3.710E+01
4.350E-01	2.035E+02	2.043E+02	2.048E+02	2.063E+02	2.070E+02	2.069E+02	3.679E+01
4.400E-01	2.026E+02	2.034E+02	2.038E+02	2.053E+02	2.064E+02	2.062E+02	3.623E+01
4.450E-01	2.018E+02	2.026E+02	2.029E+02	2.043E+02	2.056E+02	2.052E+02	3.533E+01
4.500E-01	2.013E+02	2.019E+02	2.021E+02	2.033E+02	2.044E+02	2.037E+02	3.400E+01
4.550E-01	2.009E+02	2.013E+02	2.015E+02	2.024E+02	2.028E+02	2.018E+02	3.226E+01

LISTAGEM DOS RESULTADOS DO CASO A (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
4.600E-01	2.006E+02	2.008E+02	2.009E+02	2.015E+02	2.009E+02	1.997E+02	3.028E+01
4.650E-01	2.003E+02	2.003E+02	2.004E+02	2.007E+02	1.988E+02	1.976E+02	2.831E+01
4.700E-01	2.000E+02	2.000E+02	2.000E+02	1.996E+02	1.969E+02	1.957E+02	2.654E+01
4.750E-01	1.997E+02	1.996E+02	1.995E+02	1.984E+02	1.951E+02	1.942E+02	2.507E+01
4.800E-01	1.994E+02	1.992E+02	1.990E+02	1.970E+02	1.937E+02	1.929E+02	2.415E+01
4.850E-01	1.991E+02	1.986E+02	1.982E+02	1.956E+02	1.925E+02	1.917E+02	2.346E+01
4.900E-01	1.987E+02	1.977E+02	1.971E+02	1.943E+02	1.914E+02	1.907E+02	2.290E+01
4.950E-01	1.983E+02	1.966E+02	1.959E+02	1.932E+02	1.906E+02	1.900E+02	2.249E+01
5.000E-01	1.979E+02	1.954E+02	1.947E+02	1.922E+02	1.900E+02	1.895E+02	2.220E+01
5.050E-01	1.957E+02	1.941E+02	1.935E+02	1.913E+02	1.894E+02	1.891E+02	2.198E+01
5.100E-01	1.940E+02	1.928E+02	1.923E+02	1.905E+02	1.890E+02	1.887E+02	2.177E+01
5.150E-01	1.921E+02	1.914E+02	1.911E+02	1.897E+02	1.886E+02	1.883E+02	2.156E+01
5.200E-01	1.901E+02	1.898E+02	1.897E+02	1.889E+02	1.882E+02	1.879E+02	2.134E+01
5.250E-01	1.881E+02	1.881E+02	1.881E+02	1.881E+02	1.876E+02	1.874E+02	2.109E+01
5.300E-01	1.863E+02	1.865E+02	1.866E+02	1.870E+02	1.870E+02	1.866E+02	2.131E+01
5.350E-01	1.846E+02	1.847E+02	1.851E+02	1.858E+02	1.858E+02	1.849E+02	2.128E+01
5.400E-01	1.831E+02	1.835E+02	1.837E+02	1.844E+02	1.840E+02	1.831E+02	2.051E+01
5.450E-01	1.819E+02	1.823E+02	1.825E+02	1.830E+02	1.819E+02	1.810E+02	1.957E+01
5.500E-01	1.808E+02	1.812E+02	1.813E+02	1.815E+02	1.797E+02	1.786E+02	1.851E+01
5.550E-01	1.800E+02	1.801E+02	1.802E+02	1.796E+02	1.774E+02	1.762E+02	1.744E+01
5.600E-01	1.792E+02	1.791E+02	1.789E+02	1.777E+02	1.751E+02	1.740E+02	1.647E+01
5.650E-01	1.784E+02	1.778E+02	1.775E+02	1.758E+02	1.730E+02	1.720E+02	1.561E+01
5.700E-01	1.774E+02	1.764E+02	1.759E+02	1.739E+02	1.711E+02	1.702E+02	1.487E+01

LISTAGEM DOS RESULTADOS DO CASO A (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
5.750E-01	1.760E+02	1.749E+02	1.744E+02	1.721E+02	1.695E+02	1.687E+02	1.423E+01
5.800E-01	1.742E+02	1.732E+02	1.727E+02	1.706E+02	1.681E+02	1.674E+02	1.371E+01
5.850E-01	1.720E+02	1.713E+02	1.709E+02	1.691E+02	1.669E+02	1.664E+02	1.329E+01
5.900E-01	1.697E+02	1.691E+02	1.689E+02	1.676E+02	1.659E+02	1.655E+02	1.294E+01
5.950E-01	1.673E+02	1.669E+02	1.668E+02	1.660E+02	1.649E+02	1.645E+02	1.260E+01
6.000E-01	1.649E+02	1.647E+02	1.646E+02	1.643E+02	1.637E+02	1.632E+02	1.218E+01
6.050E-01	1.626E+02	1.626E+02	1.626E+02	1.625E+02	1.620E+02	1.615E+02	1.163E+01
6.100E-01	1.605E+02	1.606E+02	1.606E+02	1.607E+02	1.600E+02	1.593E+02	1.099E+01
6.150E-01	1.586E+02	1.587E+02	1.588E+02	1.588E+02	1.576E+02	1.568E+02	1.032E+01
6.200E-01	1.569E+02	1.570E+02	1.570E+02	1.568E+02	1.551E+02	1.542E+02	9.640E+00
6.250E-01	1.553E+02	1.553E+02	1.553E+02	1.546E+02	1.525E+02	1.516E+02	8.992E+00
6.300E-01	1.539E+02	1.536E+02	1.534E+02	1.523E+02	1.501E+02	1.492E+02	8.396E+00
6.350E-01	1.523E+02	1.518E+02	1.515E+02	1.500E+02	1.478E+02	1.470E+02	7.866E+00
6.400E-01	1.505E+02	1.498E+02	1.494E+02	1.479E+02	1.457E+02	1.449E+02	7.403E+00
6.450E-01	1.483E+02	1.477E+02	1.473E+02	1.458E+02	1.438E+02	1.431E+02	7.004E+00
6.500E-01	1.459E+02	1.454E+02	1.451E+02	1.439E+02	1.421E+02	1.415E+02	6.662E+00
6.550E-01	1.433E+02	1.430E+02	1.428E+02	1.419E+02	1.405E+02	1.400E+02	6.352E+00
6.600E-01	1.408E+02	1.406E+02	1.404E+02	1.399E+02	1.388E+02	1.383E+02	6.034E+00
6.650E-01	1.383E+02	1.382E+02	1.381E+02	1.378E+02	1.369E+02	1.363E+02	5.677E+00
6.700E-01	1.360E+02	1.359E+02	1.359E+02	1.356E+02	1.346E+02	1.340E+02	5.293E+00
6.750E-01	1.338E+02	1.338E+02	1.338E+02	1.334E+02	1.322E+02	1.314E+02	4.915E+00
6.800E-01	1.318E+02	1.317E+02	1.317E+02	1.312E+02	1.296E+02	1.289E+02	4.549E+00
6.850E-01	1.299E+02	1.297E+02	1.296E+02	1.288E+02	1.271E+02	1.264E+02	4.209E+00

LISTAGEM DOS RESULTADOS DO CASO A (cont'nuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
6.900E-01	1.280E+02	1.276E+02	1.275E+02	1.264E+02	1.247E+02	1.240E+02	3.901E+00
6.950E-01	1.259E+02	1.255E+02	1.253E+02	1.242E+02	1.224E+02	1.217E+02	3.627E+00
7.000E-01	1.237E+02	1.233E+02	1.230E+02	1.219E+02	1.203E+02	1.197E+02	3.384E+00
7.050E-01	1.213E+02	1.209E+02	1.207E+02	1.198E+02	1.183E+02	1.177E+02	3.169E+00
7.100E-01	1.188E+02	1.185E+02	1.184E+02	1.176E+02	1.163E+02	1.158E+02	2.969E+00
7.150E-01	1.163E+02	1.162E+02	1.160E+02	1.155E+02	1.144E+02	1.138E+02	2.773E+00
7.200E-01	1.139E+02	1.138E+02	1.137E+02	1.133E+02	1.122E+02	1.117E+02	2.572E+00
7.250E-01	1.117E+02	1.116E+02	1.115E+02	1.111E+02	1.100E+02	1.094E+02	2.369E+00
7.300E-01	1.095E+02	1.094E+02	1.093E+02	1.088E+02	1.077E+02	1.071E+02	2.173E+00
7.350E-01	1.074E+02	1.073E+02	1.072E+02	1.066E+02	1.054E+02	1.048E+02	1.989E+00
7.400E-01	1.054E+02	1.052E+02	1.050E+02	1.044E+02	1.031E+02	1.026E+02	1.821E+00
7.450E-01	1.033E+02	1.030E+02	1.029E+02	1.022E+02	1.010E+02	1.005E+02	1.670E+00
7.500E-01	1.012E+02	1.009E+02	1.008E+02	1.001E+02	9.908E+01	9.924E+01	1.422E+00
7.540E-01	9.943E+01	9.921E+01	9.909E+01	9.848E+01	9.848E+01	9.927E+01	1.188E+00

LISTABELA DOS RESULTADOS DO CASO 1

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	A.F.A
0.0	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	0.0
5.000E-03	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	3.200E+01	0.0
1.000E-02	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.773E+01	2.553E-05
1.500E-02	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.793E+01	2.738E+01	2.027E-04
2.000E-02	2.792E+01	2.793E+01	2.793E+01	2.793E+01	2.791E+01	2.710E+01	4.167E-04
2.500E-02	2.791E+01	2.793E+01	2.793E+01	2.793E+01	2.783E+01	2.693E+01	6.924E-04
3.000E-02	2.791E+01	2.793E+01	2.793E+01	2.793E+01	2.764E+01	2.688E+01	1.066E-03
3.500E-02	2.790E+01	2.793E+01	2.793E+01	2.793E+01	2.738E+01	2.690E+01	1.540E-03
4.000E-02	2.789E+01	2.792E+01	2.793E+01	2.793E+01	2.708E+01	2.693E+01	2.104E-03
4.500E-02	2.789E+01	2.792E+01	2.793E+01	2.793E+01	2.693E+01	2.695E+01	2.753E-03
5.000E-02	2.788E+01	2.792E+01	2.793E+01	2.793E+01	2.693E+01	2.696E+01	3.500E-03
5.500E-02	2.788E+01	2.791E+01	2.792E+01	2.793E+01	2.698E+01	2.694E+01	4.349E-03
6.000E-02	2.788E+01	2.791E+01	2.792E+01	2.793E+01	2.700E+01	2.693E+01	5.303E-03
6.500E-02	2.787E+01	2.791E+01	2.792E+01	2.792E+01	2.696E+01	2.695E+01	6.365E-03
7.000E-02	2.787E+01	2.790E+01	2.791E+01	2.790E+01	2.693E+01	2.699E+01	7.535E-03
7.500E-02	2.787E+01	2.790E+01	2.791E+01	2.787E+01	2.693E+01	2.701E+01	8.818E-03
8.000E-02	2.787E+01	2.789E+01	2.791E+01	2.783E+01	2.693E+01	2.698E+01	1.019E-02
8.500E-02	2.786E+01	2.789E+01	2.790E+01	2.776E+01	2.694E+01	2.693E+01	1.163E-02
9.000E-02	2.786E+01	2.788E+01	2.790E+01	2.765E+01	2.697E+01	2.691E+01	1.310E-02
9.500E-02	2.786E+01	2.788E+01	2.789E+01	2.751E+01	2.700E+01	2.692E+01	1.459E-02
1.000E-01	2.786E+01	2.787E+01	2.788E+01	2.735E+01	2.700E+01	2.695E+01	1.614E-02
1.050E-01	2.786E+01	2.787E+01	2.787E+01	2.717E+01	2.696E+01	2.697E+01	1.786E-02
1.100E-01	2.786E+01	2.787E+01	2.786E+01	2.701E+01	2.690E+01	2.697E+01	1.994E-02

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.150E-01	2.786E+01	2.786E+01	2.784E+01	2.689E+01	2.689E+01	2.695E+01	2.269E-02
1.200E-01	2.786E+01	2.785E+01	2.782E+01	2.684E+01	2.692E+01	2.693E+01	2.659E-02
1.250E-01	2.786E+01	2.784E+01	2.778E+01	2.686E+01	2.697E+01	2.691E+01	3.221E-02
1.300E-01	2.786E+01	2.783E+01	2.774E+01	2.691E+01	2.699E+01	2.690E+01	4.022E-02
1.350E-01	2.786E+01	2.780E+01	2.768E+01	2.696E+01	2.698E+01	2.692E+01	5.134E-02
1.400E-01	2.786E+01	2.776E+01	2.759E+01	2.698E+01	2.696E+01	2.694E+01	6.615E-02
1.450E-01	2.786E+01	2.772E+01	2.749E+01	2.698E+01	2.694E+01	2.697E+01	8.502E-02
1.500E-01	2.785E+01	2.765E+01	2.737E+01	2.695E+01	2.693E+01	2.697E+01	1.079E-01
1.550E-01	2.785E+01	2.757E+01	2.724E+01	2.691E+01	2.692E+01	2.696E+01	1.343E-01
1.600E-01	2.784E+01	2.747E+01	2.711E+01	2.689E+01	2.691E+01	2.694E+01	1.626E-01
1.650E-01	2.783E+01	2.735E+01	2.699E+01	2.688E+01	2.690E+01	2.693E+01	1.909E-01
1.700E-01	2.782E+01	2.723E+01	2.689E+01	2.689E+01	2.690E+01	2.692E+01	2.164E-01
1.750E-01	2.780E+01	2.710E+01	2.684E+01	2.691E+01	2.689E+01	2.690E+01	2.365E-01
1.800E-01	2.777E+01	2.699E+01	2.683E+01	2.692E+01	2.689E+01	2.688E+01	2.494E-01
1.850E-01	2.772E+01	2.691E+01	2.685E+01	2.692E+01	2.690E+01	2.685E+01	2.548E-01
1.900E-01	2.767E+01	2.684E+01	2.688E+01	2.690E+01	2.692E+01	2.684E+01	2.539E-01
1.950E-01	2.759E+01	2.685E+01	2.692E+01	2.688E+01	2.692E+01	2.685E+01	2.489E-01
2.000E-01	2.750E+01	2.686E+01	2.694E+01	2.686E+01	2.691E+01	2.687E+01	2.429E-01
2.050E-01	2.739E+01	2.689E+01	2.695E+01	2.685E+01	2.687E+01	2.689E+01	2.382E-01
2.100E-01	2.726E+01	2.692E+01	2.694E+01	2.685E+01	2.683E+01	2.690E+01	2.358E-01
2.150E-01	2.713E+01	2.693E+01	2.692E+01	2.686E+01	2.681E+01	2.688E+01	2.362E-01
2.200E-01	2.699E+01	2.693E+01	2.690E+01	2.688E+01	2.683E+01	2.686E+01	2.393E-01
2.250E-01	2.686E+01	2.692E+01	2.689E+01	2.689E+01	2.685E+01	2.682E+01	2.434E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
2.360E-01	2.674E+01	2.690E+01	2.687E+01	2.691E+01	2.687E+01	2.681E+01	2.471E-01
2.350E-01	2.663E+01	2.687E+01	2.687E+01	2.691E+01	2.687E+01	2.681E+01	2.501E-01
2.400E-01	2.654E+01	2.685E+01	2.687E+01	2.691E+01	2.685E+01	2.683E+01	2.524E-01
2.450E-01	2.646E+01	2.682E+01	2.687E+01	2.690E+01	2.681E+01	2.684E+01	2.543E-01
2.500E-01	2.637E+01	2.679E+01	2.686E+01	2.689E+01	2.678E+01	2.683E+01	2.570E-01
2.550E-01	2.628E+01	2.675E+01	2.683E+01	2.687E+01	2.678E+01	2.681E+01	2.617E-01
2.600E-01	2.615E+01	2.670E+01	2.679E+01	2.686E+01	2.681E+01	2.679E+01	2.695E-01
2.650E-01	2.605E+01	2.663E+01	2.674E+01	2.684E+01	2.685E+01	2.677E+01	2.806E-01
2.700E-01	2.597E+01	2.654E+01	2.667E+01	2.683E+01	2.687E+01	2.678E+01	2.947E-01
2.750E-01	2.593E+01	2.643E+01	2.659E+01	2.682E+01	2.687E+01	2.680E+01	3.112E-01
2.800E-01	2.593E+01	2.630E+01	2.650E+01	2.682E+01	2.684E+01	2.684E+01	3.288E-01
2.850E-01	2.596E+01	2.618E+01	2.640E+01	2.681E+01	2.681E+01	2.686E+01	3.463E-01
2.900E-01	2.600E+01	2.607E+01	2.630E+01	2.679E+01	2.679E+01	2.687E+01	3.623E-01
2.950E-01	2.603E+01	2.599E+01	2.619E+01	2.675E+01	2.679E+01	2.685E+01	3.760E-01
3.000E-01	2.603E+01	2.594E+01	2.609E+01	2.669E+01	2.680E+01	2.683E+01	3.865E-01
3.050E-01	2.601E+01	2.593E+01	2.601E+01	2.662E+01	2.682E+01	2.681E+01	3.932E-01
3.100E-01	2.598E+01	2.594E+01	2.595E+01	2.654E+01	2.682E+01	2.680E+01	3.961E-01
3.150E-01	2.596E+01	2.597E+01	2.592E+01	2.644E+01	2.681E+01	2.679E+01	3.959E-01
3.200E-01	2.595E+01	2.599E+01	2.592E+01	2.634E+01	2.678E+01	2.679E+01	3.938E-01
3.250E-01	2.595E+01	2.600E+01	2.593E+01	2.624E+01	2.674E+01	2.678E+01	3.912E-01
3.300E-01	2.597E+01	2.600E+01	2.596E+01	2.613E+01	2.670E+01	2.676E+01	3.894E-01
3.350E-01	2.598E+01	2.598E+01	2.597E+01	2.603E+01	2.666E+01	2.673E+01	3.892E-01
3.400E-01	2.598E+01	2.596E+01	2.598E+01	2.594E+01	2.661E+01	2.669E+01	3.906E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
3.450E-01	2.598E+01	2.595E+01	2.597E+01	2.588E+01	2.654E+01	2.663E+01	3.928E-01
3.500E-01	2.596E+01	2.593E+01	2.596E+01	2.584E+01	2.646E+01	2.657E+01	3.949E-01
3.550E-01	2.595E+01	2.593E+01	2.594E+01	2.584E+01	2.635E+01	2.648E+01	3.962E-01
3.600E-01	2.593E+01	2.593E+01	2.593E+01	2.588E+01	2.623E+01	2.636E+01	3.964E-01
3.650E-01	2.593E+01	2.593E+01	2.593E+01	2.592E+01	2.611E+01	2.622E+01	3.962E-01
3.700E-01	2.593E+01	2.593E+01	2.593E+01	2.595E+01	2.599E+01	2.605E+01	3.962E-01
3.750E-01	2.594E+01	2.593E+01	2.592E+01	2.598E+01	2.586E+01	2.587E+01	3.969E-01
3.800E-01	2.594E+01	2.592E+01	2.592E+01	2.598E+01	2.573E+01	2.568E+01	3.983E-01
3.850E-01	2.593E+01	2.591E+01	2.591E+01	2.595E+01	2.560E+01	2.550E+01	3.998E-01
3.900E-01	2.592E+01	2.590E+01	2.590E+01	2.592E+01	2.549E+01	2.534E+01	4.007E-01
3.950E-01	2.591E+01	2.590E+01	2.590E+01	2.588E+01	2.540E+01	2.521E+01	4.006E-01
4.000E-01	2.590E+01	2.591E+01	2.591E+01	2.585E+01	2.533E+01	2.512E+01	3.996E-01
4.050E-01	2.589E+01	2.592E+01	2.591E+01	2.582E+01	2.528E+01	2.509E+01	3.983E-01
4.100E-01	2.589E+01	2.592E+01	2.592E+01	2.579E+01	2.525E+01	2.511E+01	3.973E-01
4.150E-01	2.588E+01	2.592E+01	2.592E+01	2.575E+01	2.522E+01	2.516E+01	3.974E-01
4.200E-01	2.588E+01	2.591E+01	2.591E+01	2.570E+01	2.519E+01	2.521E+01	3.988E-01
4.250E-01	2.587E+01	2.589E+01	2.589E+01	2.563E+01	2.518E+01	2.526E+01	4.012E-01
4.300E-01	2.587E+01	2.587E+01	2.586E+01	2.554E+01	2.517E+01	2.528E+01	4.043E-01
4.350E-01	2.587E+01	2.585E+01	2.583E+01	2.546E+01	2.518E+01	2.527E+01	4.078E-01
4.400E-01	2.587E+01	2.583E+01	2.580E+01	2.537E+01	2.520E+01	2.524E+01	4.114E-01
4.450E-01	2.587E+01	2.581E+01	2.575E+01	2.529E+01	2.522E+01	2.520E+01	4.154E-01
4.500E-01	2.587E+01	2.578E+01	2.570E+01	2.523E+01	2.523E+01	2.517E+01	4.201E-01
4.550E-01	2.585E+01	2.574E+01	2.565E+01	2.519E+01	2.522E+01	2.515E+01	4.250E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
4.600E-01	2.584E+01	2.570E+01	2.588E+01	2.516E+01	2.520E+01	2.516E+01	4.326E-01
4.650E-01	2.582E+01	2.564E+01	2.551E+01	2.515E+01	2.518E+01	2.517E+01	4.404E-01
4.700E-01	2.580E+01	2.557E+01	2.543E+01	2.514E+01	2.517E+01	2.518E+01	4.491E-01
4.750E-01	2.578E+01	2.549E+01	2.535E+01	2.515E+01	2.517E+01	2.518E+01	4.581E-01
4.800E-01	2.575E+01	2.542E+01	2.527E+01	2.517E+01	2.518E+01	2.518E+01	4.670E-01
4.850E-01	2.571E+01	2.534E+01	2.521E+01	2.518E+01	2.518E+01	2.518E+01	4.752E-01
4.900E-01	2.565E+01	2.526E+01	2.516E+01	2.519E+01	2.518E+01	2.518E+01	4.820E-01
4.950E-01	2.557E+01	2.520E+01	2.513E+01	2.519E+01	2.517E+01	2.518E+01	4.870E-01
5.000E-01	2.549E+01	2.516E+01	2.512E+01	2.518E+01	2.516E+01	2.518E+01	4.899E-01
5.050E-01	2.539E+01	2.513E+01	2.512E+01	2.516E+01	2.515E+01	2.517E+01	4.909E-01
5.100E-01	2.528E+01	2.511E+01	2.513E+01	2.513E+01	2.514E+01	2.515E+01	4.906E-01
5.150E-01	2.517E+01	2.511E+01	2.515E+01	2.512E+01	2.514E+01	2.514E+01	4.899E-01
5.200E-01	2.505E+01	2.510E+01	2.515E+01	2.512E+01	2.513E+01	2.512E+01	4.895E-01
5.250E-01	2.494E+01	2.509E+01	2.515E+01	2.513E+01	2.513E+01	2.510E+01	4.901E-01
5.300E-01	2.483E+01	2.508E+01	2.513E+01	2.513E+01	2.512E+01	2.509E+01	4.920E-01
5.350E-01	2.473E+01	2.504E+01	2.509E+01	2.514E+01	2.511E+01	2.509E+01	4.954E-01
5.400E-01	2.465E+01	2.500E+01	2.505E+01	2.514E+01	2.510E+01	2.509E+01	5.001E-01
5.450E-01	2.458E+01	2.494E+01	2.499E+01	2.513E+01	2.509E+01	2.510E+01	5.059E-01
5.500E-01	2.454E+01	2.486E+01	2.493E+01	2.511E+01	2.508E+01	2.509E+01	5.126E-01
5.550E-01	2.450E+01	2.478E+01	2.487E+01	2.509E+01	2.508E+01	2.509E+01	5.197E-01
5.600E-01	2.448E+01	2.470E+01	2.480E+01	2.507E+01	2.508E+01	2.507E+01	5.267E-01
5.650E-01	2.446E+01	2.462E+01	2.474E+01	2.503E+01	2.508E+01	2.506E+01	5.332E-01
5.700E-01	2.446E+01	2.455E+01	2.467E+01	2.498E+01	2.508E+01	2.506E+01	5.391E-01

LISTAGEM DOS RESULTADOS DO CASO P

T (s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
5.750E-01	2.446E+01	2.450E+01	2.460E+01	2.493E+01	2.507E+01	2.506E+01	5.443E-01
5.800E-01	2.446E+01	2.447E+01	2.454E+01	2.486E+01	2.505E+01	2.506E+01	5.486E-01
5.850E-01	2.447E+01	2.444E+01	2.449E+01	2.479E+01	2.503E+01	2.506E+01	5.519E-01
5.900E-01	2.447E+01	2.444E+01	2.445E+01	2.472E+01	2.500E+01	2.504E+01	5.540E-01
5.950E-01	2.447E+01	2.444E+01	2.443E+01	2.465E+01	2.497E+01	2.501E+01	5.547E-01
6.000E-01	2.447E+01	2.445E+01	2.442E+01	2.458E+01	2.493E+01	2.497E+01	5.545E-01
6.050E-01	2.446E+01	2.445E+01	2.442E+01	2.452E+01	2.487E+01	2.491E+01	5.539E-01
6.100E-01	2.445E+01	2.446E+01	2.443E+01	2.446E+01	2.481E+01	2.484E+01	5.533E-01
6.150E-01	2.444E+01	2.445E+01	2.443E+01	2.441E+01	2.472E+01	2.475E+01	5.534E-01
6.200E-01	2.443E+01	2.444E+01	2.443E+01	2.438E+01	2.463E+01	2.465E+01	5.540E-01
6.250E-01	2.443E+01	2.442E+01	2.443E+01	2.436E+01	2.453E+01	2.454E+01	5.550E-01
6.300E-01	2.443E+01	2.440E+01	2.442E+01	2.437E+01	2.441E+01	2.441E+01	5.560E-01
6.350E-01	2.443E+01	2.439E+01	2.441E+01	2.438E+01	2.430E+01	2.428E+01	5.569E-01
6.400E-01	2.442E+01	2.439E+01	2.440E+01	2.438E+01	2.418E+01	2.414E+01	5.576E-01
6.450E-01	2.441E+01	2.439E+01	2.439E+01	2.438E+01	2.408E+01	2.402E+01	5.580E-01
6.500E-01	2.440E+01	2.439E+01	2.438E+01	2.436E+01	2.398E+01	2.390E+01	5.582E-01
6.550E-01	2.438E+01	2.439E+01	2.437E+01	2.432E+01	2.390E+01	2.380E+01	5.584E-01
6.600E-01	2.438E+01	2.439E+01	2.437E+01	2.427E+01	2.384E+01	2.373E+01	5.587E-01
6.650E-01	2.437E+01	2.438E+01	2.437E+01	2.420E+01	2.379E+01	2.369E+01	5.592E-01
6.700E-01	2.436E+01	2.437E+01	2.435E+01	2.414E+01	2.376E+01	2.369E+01	5.601E-01
6.750E-01	2.435E+01	2.435E+01	2.433E+01	2.407E+01	2.374E+01	2.370E+01	5.617E-01
6.800E-01	2.434E+01	2.433E+01	2.430E+01	2.400E+01	2.373E+01	2.373E+01	5.639E-01
6.850E-01	2.433E+01	2.430E+01	2.426E+01	2.394E+01	2.373E+01	2.375E+01	5.670E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
6.900E-01	2.432E+01	2.426E+01	2.420E+01	2.388E+01	2.373E+01	2.377E+01	5.707E-01
6.950E-01	2.431E+01	2.421E+01	2.414E+01	2.383E+01	2.373E+01	2.376E+01	5.751E-01
7.000E-01	2.430E+01	2.415E+01	2.408E+01	2.378E+01	2.373E+01	2.375E+01	5.798E-01
7.050E-01	2.428E+01	2.409E+01	2.401E+01	2.374E+01	2.373E+01	2.373E+01	5.848E-01
7.100E-01	2.424E+01	2.403E+01	2.394E+01	2.370E+01	2.373E+01	2.370E+01	5.897E-01
7.150E-01	2.420E+01	2.397E+01	2.388E+01	2.369E+01	2.372E+01	2.369E+01	5.944E-01
7.200E-01	2.414E+01	2.391E+01	2.382E+01	2.368E+01	2.371E+01	2.369E+01	5.989E-01
7.250E-01	2.407E+01	2.385E+01	2.376E+01	2.368E+01	2.371E+01	2.369E+01	6.031E-01
7.300E-01	2.400E+01	2.378E+01	2.372E+01	2.369E+01	2.370E+01	2.370E+01	6.070E-01
7.350E-01	2.391E+01	2.373E+01	2.368E+01	2.370E+01	2.369E+01	2.371E+01	6.104E-01
7.400E-01	2.381E+01	2.368E+01	2.365E+01	2.369E+01	2.368E+01	2.370E+01	6.131E-01
7.450E-01	2.371E+01	2.363E+01	2.364E+01	2.369E+01	2.368E+01	2.369E+01	6.151E-01
7.500E-01	2.360E+01	2.360E+01	2.362E+01	2.367E+01	2.367E+01	2.367E+01	6.166E-01
7.550E-01	2.348E+01	2.357E+01	2.361E+01	2.366E+01	2.366E+01	2.365E+01	6.180E-01
7.600E-01	2.338E+01	2.354E+01	2.359E+01	2.364E+01	2.365E+01	2.363E+01	6.195E-01
7.650E-01	2.329E+01	2.350E+01	2.356E+01	2.363E+01	2.363E+01	2.361E+01	6.217E-01
7.700E-01	2.321E+01	2.345E+01	2.352E+01	2.362E+01	2.362E+01	2.360E+01	6.248E-01
7.750E-01	2.315E+01	2.339E+01	2.346E+01	2.360E+01	2.360E+01	2.359E+01	6.286E-01
7.800E-01	2.310E+01	2.333E+01	2.340E+01	2.358E+01	2.359E+01	2.359E+01	6.330E-01
7.850E-01	2.307E+01	2.326E+01	2.332E+01	2.355E+01	2.358E+01	2.358E+01	6.375E-01
7.900E-01	2.303E+01	2.319E+01	2.326E+01	2.351E+01	2.357E+01	2.357E+01	6.418E-01
7.950E-01	2.304E+01	2.313E+01	2.320E+01	2.345E+01	2.355E+01	2.356E+01	6.456E-01
8.000E-01	2.304E+01	2.306E+01	2.314E+01	2.338E+01	2.353E+01	2.354E+01	6.487E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
8.050E-01	2.304E+01	2.305E+01	2.310E+01	2.331E+01	2.350E+01	2.351E+01	6.511E-01
8.100E-01	2.304E+01	2.303E+01	2.306E+01	2.324E+01	2.346E+01	2.348E+01	6.529E-01
8.150E-01	2.303E+01	2.302E+01	2.303E+01	2.317E+01	2.341E+01	2.343E+01	6.542E-01
8.200E-01	2.303E+01	2.301E+01	2.300E+01	2.311E+01	2.335E+01	2.336E+01	6.550E-01
8.250E-01	2.303E+01	2.301E+01	2.299E+01	2.306E+01	2.327E+01	2.329E+01	6.555E-01
8.300E-01	2.302E+01	2.300E+01	2.298E+01	2.301E+01	2.318E+01	2.319E+01	6.559E-01
8.350E-01	2.301E+01	2.300E+01	2.298E+01	2.297E+01	2.308E+01	2.308E+01	6.562E-01
8.400E-01	2.300E+01	2.299E+01	2.297E+01	2.294E+01	2.298E+01	2.295E+01	6.565E-01
8.450E-01	2.299E+01	2.297E+01	2.297E+01	2.291E+01	2.286E+01	2.282E+01	6.570E-01
8.500E-01	2.298E+01	2.296E+01	2.296E+01	2.289E+01	2.275E+01	2.269E+01	6.577E-01
8.550E-01	2.297E+01	2.295E+01	2.295E+01	2.287E+01	2.263E+01	2.257E+01	6.584E-01
8.600E-01	2.295E+01	2.294E+01	2.293E+01	2.284E+01	2.253E+01	2.246E+01	6.592E-01
8.650E-01	2.294E+01	2.293E+01	2.292E+01	2.280E+01	2.244E+01	2.237E+01	6.600E-01
8.700E-01	2.292E+01	2.291E+01	2.289E+01	2.274E+01	2.237E+01	2.230E+01	6.609E-01
8.750E-01	2.291E+01	2.290E+01	2.287E+01	2.268E+01	2.231E+01	2.225E+01	6.622E-01
8.800E-01	2.289E+01	2.287E+01	2.283E+01	2.260E+01	2.228E+01	2.223E+01	6.638E-01
8.850E-01	2.287E+01	2.284E+01	2.279E+01	2.252E+01	2.226E+01	2.222E+01	6.660E-01
8.900E-01	2.285E+01	2.279E+01	2.274E+01	2.245E+01	2.224E+01	2.223E+01	6.688E-01
8.950E-01	2.283E+01	2.273E+01	2.268E+01	2.238E+01	2.224E+01	2.224E+01	6.721E-01
9.000E-01	2.280E+01	2.267E+01	2.261E+01	2.233E+01	2.224E+01	2.225E+01	6.759E-01
9.050E-01	2.276E+01	2.260E+01	2.253E+01	2.228E+01	2.223E+01	2.225E+01	6.798E-01
9.100E-01	2.271E+01	2.253E+01	2.245E+01	2.225E+01	2.223E+01	2.224E+01	6.839E-01
9.150E-01	2.265E+01	2.246E+01	2.238E+01	2.222E+01	2.223E+01	2.222E+01	6.877E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
9.200E-01	2.257E+01	2.238E+01	2.231E+01	2.220E+01	2.222E+01	2.221E+01	6.913E-01
9.250E-01	2.248E+01	2.231E+01	2.225E+01	2.218E+01	2.221E+01	2.219E+01	6.945E-01
9.300E-01	2.238E+01	2.225E+01	2.221E+01	2.217E+01	2.220E+01	2.219E+01	6.975E-01
9.350E-01	2.227E+01	2.218E+01	2.216E+01	2.217E+01	2.218E+01	2.218E+01	7.001E-01
9.400E-01	2.215E+01	2.212E+01	2.212E+01	2.216E+01	2.217E+01	2.217E+01	7.025E-01
9.450E-01	2.203E+01	2.206E+01	2.209E+01	2.215E+01	2.215E+01	2.216E+01	7.049E-01
9.500E-01	2.192E+01	2.201E+01	2.205E+01	2.214E+01	2.214E+01	2.214E+01	7.071E-01
9.550E-01	2.181E+01	2.195E+01	2.201E+01	2.212E+01	2.212E+01	2.211E+01	7.094E-01
9.600E-01	2.172E+01	2.189E+01	2.196E+01	2.209E+01	2.210E+01	2.209E+01	7.118E-01
9.650E-01	2.164E+01	2.183E+01	2.190E+01	2.205E+01	2.208E+01	2.206E+01	7.145E-01
9.700E-01	2.158E+01	2.177E+01	2.184E+01	2.201E+01	2.206E+01	2.205E+01	7.175E-01
9.750E-01	2.154E+01	2.170E+01	2.177E+01	2.196E+01	2.203E+01	2.203E+01	7.206E-01
9.800E-01	2.151E+01	2.164E+01	2.170E+01	2.191E+01	2.200E+01	2.201E+01	7.237E-01
9.850E-01	2.150E+01	2.158E+01	2.163E+01	2.184E+01	2.197E+01	2.198E+01	7.265E-01
9.900E-01	2.149E+01	2.153E+01	2.157E+01	2.176E+01	2.192E+01	2.193E+01	7.289E-01
9.950E-01	2.148E+01	2.149E+01	2.152E+01	2.168E+01	2.186E+01	2.187E+01	7.307E-01
1.000E+00	2.148E+01	2.147E+01	2.148E+01	2.161E+01	2.179E+01	2.180E+01	7.320E-01
1.010E+00	2.146E+01	2.144E+01	2.143E+01	2.148E+01	2.160E+01	2.159E+01	7.337E-01
1.020E+00	2.144E+01	2.142E+01	2.140E+01	2.138E+01	2.137E+01	2.134E+01	7.348E-01
1.030E+00	2.141E+01	2.138E+01	2.137E+01	2.128E+01	2.112E+01	2.107E+01	7.361E-01
1.040E+00	2.137E+01	2.134E+01	2.133E+01	2.118E+01	2.090E+01	2.084E+01	7.379E-01
1.050E+00	2.132E+01	2.128E+01	2.125E+01	2.105E+01	2.074E+01	2.070E+01	7.407E-01
1.060E+00	2.126E+01	2.119E+01	2.114E+01	2.090E+01	2.066E+01	2.064E+01	7.449E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.070E+00	2.117E+01	2.105E+01	2.099E+01	2.076E+01	2.063E+01	2.063E+01	7.504E-01
1.080E+00	2.104E+01	2.089E+01	2.083E+01	2.065E+01	2.062E+01	2.062E+01	7.567E-01
1.090E+00	2.085E+01	2.073E+01	2.068E+01	2.059E+01	2.060E+01	2.060E+01	7.626E-01
1.100E+00	2.062E+01	2.056E+01	2.055E+01	2.054E+01	2.057E+01	2.056E+01	7.679E-01
1.110E+00	2.037E+01	2.041E+01	2.043E+01	2.050E+01	2.052E+01	2.052E+01	7.727E-01
1.120E+00	2.015E+01	2.026E+01	2.031E+01	2.044E+01	2.047E+01	2.046E+01	7.773E-01
1.130E+00	1.999E+01	2.013E+01	2.018E+01	2.034E+01	2.040E+01	2.040E+01	7.818E-01
1.140E+00	1.989E+01	2.000E+01	2.005E+01	2.021E+01	2.031E+01	2.030E+01	7.861E-01
1.150E+00	1.984E+01	1.989E+01	1.992E+01	2.006E+01	2.017E+01	2.017E+01	7.899E-01
1.160E+00	1.982E+01	1.981E+01	1.982E+01	1.990E+01	1.998E+01	1.997E+01	7.926E-01
1.170E+00	1.979E+01	1.976E+01	1.975E+01	1.975E+01	1.975E+01	1.973E+01	7.945E-01
1.180E+00	1.975E+01	1.971E+01	1.970E+01	1.961E+01	1.950E+01	1.946E+01	7.961E-01
1.190E+00	1.969E+01	1.965E+01	1.963E+01	1.948E+01	1.927E+01	1.923E+01	7.981E-01
1.200E+00	1.961E+01	1.956E+01	1.952E+01	1.933E+01	1.910E+01	1.906E+01	8.011E-01
1.210E+00	1.951E+01	1.943E+01	1.938E+01	1.919E+01	1.900E+01	1.898E+01	8.050E-01
1.220E+00	1.937E+01	1.927E+01	1.922E+01	1.905E+01	1.895E+01	1.894E+01	8.097E-01
1.230E+00	1.917E+01	1.909E+01	1.905E+01	1.894E+01	1.892E+01	1.891E+01	8.146E-01
1.240E+00	1.894E+01	1.890E+01	1.888E+01	1.886E+01	1.888E+01	1.888E+01	8.194E-01
1.250E+00	1.870E+01	1.872E+01	1.873E+01	1.879E+01	1.882E+01	1.882E+01	8.238E-01
1.260E+00	1.847E+01	1.855E+01	1.858E+01	1.870E+01	1.875E+01	1.874E+01	8.279E-01
1.270E+00	1.830E+01	1.840E+01	1.844E+01	1.858E+01	1.864E+01	1.864E+01	8.316E-01
1.280E+00	1.819E+01	1.827E+01	1.830E+01	1.843E+01	1.850E+01	1.849E+01	8.349E-01
1.290E+00	1.813E+01	1.816E+01	1.818E+01	1.826E+01	1.831E+01	1.830E+01	8.377E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.300E+00	1.808E+01	1.807E+01	1.807E+01	1.808E+01	1.808E+01	1.806E+01	8.399E-01
1.310E+00	1.808E+01	1.808E+01	1.798E+01	1.792E+01	1.783E+01	1.780E+01	8.419E-01
1.320E+00	1.796E+01	1.791E+01	1.788E+01	1.775E+01	1.760E+01	1.757E+01	8.440E-01
1.330E+00	1.785E+01	1.779E+01	1.776E+01	1.760E+01	1.742E+01	1.739E+01	8.468E-01
1.340E+00	1.771E+01	1.764E+01	1.760E+01	1.744E+01	1.730E+01	1.728E+01	8.502E-01
1.350E+00	1.752E+01	1.745E+01	1.742E+01	1.731E+01	1.723E+01	1.722E+01	8.541E-01
1.360E+00	1.729E+01	1.725E+01	1.724E+01	1.719E+01	1.718E+01	1.717E+01	8.582E-01
1.370E+00	1.705E+01	1.705E+01	1.706E+01	1.708E+01	1.711E+01	1.711E+01	8.620E-01
1.380E+00	1.682E+01	1.686E+01	1.689E+01	1.697E+01	1.702E+01	1.702E+01	8.656E-01
1.390E+00	1.663E+01	1.670E+01	1.673E+01	1.684E+01	1.689E+01	1.689E+01	8.687E-01
1.400E+00	1.653E+01	1.656E+01	1.658E+01	1.667E+01	1.672E+01	1.671E+01	8.714E-01
1.410E+00	1.641E+01	1.644E+01	1.645E+01	1.647E+01	1.650E+01	1.649E+01	8.738E-01
1.420E+00	1.635E+01	1.635E+01	1.635E+01	1.638E+01	1.636E+01	1.634E+01	8.759E-01
1.430E+00	1.627E+01	1.623E+01	1.621E+01	1.612E+01	1.602E+01	1.600E+01	8.779E-01
1.440E+00	1.615E+01	1.610E+01	1.607E+01	1.595E+01	1.582E+01	1.579E+01	8.802E-01
1.450E+00	1.608E+01	1.594E+01	1.591E+01	1.577E+01	1.566E+01	1.564E+01	8.829E-01
1.460E+00	1.598E+01	1.575E+01	1.573E+01	1.564E+01	1.555E+01	1.555E+01	8.860E-01
1.470E+00	1.557E+01	1.555E+01	1.554E+01	1.550E+01	1.549E+01	1.548E+01	8.893E-01
1.480E+00	1.533E+01	1.534E+01	1.525E+01	1.538E+01	1.540E+01	1.540E+01	8.925E-01
1.490E+00	1.511E+01	1.515E+01	1.517E+01	1.524E+01	1.528E+01	1.526E+01	8.954E-01
1.500E+00	1.494E+01	1.495E+01	1.501E+01	1.509E+01	1.512E+01	1.512E+01	8.979E-01
1.510E+00	1.481E+01	1.484E+01	1.486E+01	1.491E+01	1.492E+01	1.491E+01	9.001E-01
1.520E+00	1.471E+01	1.472E+01	1.472E+01	1.472E+01	1.469E+01	1.468E+01	9.020E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.500E+00	1.462E+01	1.459E+01	1.458E+01	1.452E+01	1.446E+01	1.444E+01	9.039E-01
1.5340E+00	1.459E+01	1.446E+01	1.443E+01	1.434E+01	1.424E+01	1.422E+01	9.058E-01
1.550E+00	1.434E+01	1.429E+01	1.427E+01	1.417E+01	1.408E+01	1.406E+01	9.081E-01
1.566E+00	1.413E+01	1.412E+01	1.403E+01	1.402E+01	1.396E+01	1.395E+01	9.106E-01
1.576E+00	1.391E+01	1.390E+01	1.369E+01	1.367E+01	1.366E+01	1.366E+01	9.133E-01
1.586E+00	1.366E+01	1.369E+01	1.370E+01	1.373E+01	1.376E+01	1.375E+01	9.158E-01
1.596E+00	1.349E+01	1.351E+01	1.352E+01	1.358E+01	1.361E+01	1.361E+01	9.181E-01
1.606E+00	1.332E+01	1.335E+01	1.336E+01	1.341E+01	1.343E+01	1.342E+01	9.200E-01
1.616E+00	1.323E+01	1.321E+01	1.321E+01	1.323E+01	1.321E+01	1.320E+01	9.217E-01
1.626E+00	1.309E+01	1.308E+01	1.307E+01	1.303E+01	1.298E+01	1.297E+01	9.234E-01
1.636E+00	1.297E+01	1.293E+01	1.292E+01	1.285E+01	1.277E+01	1.275E+01	9.251E-01
1.646E+00	1.281E+01	1.277E+01	1.275E+01	1.267E+01	1.259E+01	1.258E+01	9.270E-01
1.656E+00	1.261E+01	1.258E+01	1.257E+01	1.251E+01	1.246E+01	1.245E+01	9.291E-01
1.666E+00	1.238E+01	1.238E+01	1.237E+01	1.236E+01	1.234E+01	1.233E+01	9.312E-01
1.676E+00	1.216E+01	1.218E+01	1.218E+01	1.220E+01	1.221E+01	1.221E+01	9.333E-01
1.686E+00	1.197E+01	1.199E+01	1.200E+01	1.204E+01	1.206E+01	1.205E+01	9.352E-01
1.696E+00	1.181E+01	1.183E+01	1.184E+01	1.186E+01	1.186E+01	1.185E+01	9.368E-01
1.706E+00	1.168E+01	1.168E+01	1.168E+01	1.167E+01	1.164E+01	1.163E+01	9.384E-01
1.716E+00	1.155E+01	1.153E+01	1.152E+01	1.148E+01	1.142E+01	1.141E+01	9.399E-01
1.726E+00	1.139E+01	1.137E+01	1.135E+01	1.129E+01	1.123E+01	1.121E+01	9.415E-01
1.736E+00	1.121E+01	1.118E+01	1.117E+01	1.112E+01	1.107E+01	1.106E+01	9.432E-01
1.746E+00	1.099E+01	1.098E+01	1.098E+01	1.096E+01	1.093E+01	1.092E+01	9.450E-01
1.750E+00	1.078E+01	1.078E+01	1.079E+01	1.079E+01	1.079E+01	1.079E+01	9.467E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.760E+00	1.058E+01	1.060E+01	1.060E+01	1.062E+01	1.063E+01	1.062E+01	9.484E-01
1.770E+00	1.041E+01	1.043E+01	1.043E+01	1.044E+01	1.044E+01	1.043E+01	9.498E-01
1.780E+00	1.027E+01	1.027E+01	1.027E+01	1.025E+01	1.023E+01	1.021E+01	9.512E-01
1.790E+00	1.012E+01	1.011E+01	1.010E+01	1.006E+01	1.002E+01	1.001E+01	9.525E-01
1.800E+00	9.957E+00	9.937E+00	9.927E+00	9.883E+00	9.834E+00	9.821E+00	9.539E-01
1.810E+00	9.765E+00	9.751E+00	9.743E+00	9.711E+00	9.673E+00	9.663E+00	9.554E-01
1.820E+00	9.559E+00	9.556E+00	9.554E+00	9.544E+00	9.527E+00	9.519E+00	9.569E-01
1.830E+00	9.359E+00	9.365E+00	9.367E+00	9.376E+00	9.373E+00	9.366E+00	9.583E-01
1.840E+00	9.178E+00	9.187E+00	9.191E+00	9.202E+00	9.197E+00	9.189E+00	9.596E-01
1.850E+00	9.020E+00	9.022E+00	9.022E+00	9.019E+00	9.001E+00	8.991E+00	9.608E-01
1.860E+00	8.869E+00	8.860E+00	8.856E+00	8.834E+00	8.802E+00	8.791E+00	9.620E-01
1.870E+00	8.707E+00	8.693E+00	8.686E+00	8.654E+00	8.615E+00	8.605E+00	9.631E-01
1.880E+00	8.527E+00	8.515E+00	8.509E+00	8.482E+00	8.450E+00	8.441E+00	9.644E-01
1.890E+00	8.335E+00	8.330E+00	8.328E+00	8.316E+00	8.298E+00	8.290E+00	9.656E-01
1.900E+00	8.145E+00	8.148E+00	8.149E+00	8.151E+00	8.143E+00	8.137E+00	9.668E-01
1.910E+00	7.971E+00	7.975E+00	7.977E+00	7.982E+00	7.974E+00	7.966E+00	9.679E-01
1.920E+00	7.813E+00	7.813E+00	7.813E+00	7.807E+00	7.790E+00	7.782E+00	9.689E-01
1.930E+00	7.661E+00	7.654E+00	7.650E+00	7.632E+00	7.606E+00	7.597E+00	9.699E-01
1.940E+00	7.501E+00	7.490E+00	7.485E+00	7.462E+00	7.433E+00	7.424E+00	9.709E-01
1.950E+00	7.328E+00	7.320E+00	7.317E+00	7.298E+00	7.275E+00	7.267E+00	9.719E-01
1.960E+00	7.149E+00	7.147E+00	7.146E+00	7.139E+00	7.125E+00	7.119E+00	9.729E-01
1.970E+00	6.977E+00	6.979E+00	6.979E+00	6.980E+00	6.971E+00	6.965E+00	9.739E-01
1.980E+00	6.817E+00	6.819E+00	6.819E+00	6.818E+00	6.807E+00	6.800E+00	9.748E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.990E+00	6.668E+00	6.666E+00	6.664E+00	6.655E+00	6.637E+00	6.629E+00	9.756E-01
2.000E+00	6.520E+00	6.513E+00	6.510E+00	6.494E+00	6.470E+00	6.463E+00	9.764E-01
2.010E+00	6.364E+00	6.357E+00	6.354E+00	6.337E+00	6.315E+00	6.308E+00	9.773E-01
2.020E+00	6.202E+00	6.198E+00	6.196E+00	6.186E+00	6.170E+00	6.164E+00	9.781E-01
2.030E+00	6.041E+00	6.041E+00	6.040E+00	6.037E+00	6.025E+00	6.020E+00	9.789E-01
2.040E+00	5.889E+00	5.889E+00	5.889E+00	5.886E+00	5.875E+00	5.869E+00	9.797E-01
2.050E+00	5.745E+00	5.745E+00	5.742E+00	5.735E+00	5.720E+00	5.714E+00	9.804E-01
2.060E+00	5.604E+00	5.599E+00	5.597E+00	5.585E+00	5.567E+00	5.560E+00	9.811E-01
2.070E+00	5.459E+00	5.454E+00	5.451E+00	5.439E+00	5.421E+00	5.415E+00	9.818E-01
2.080E+00	5.311E+00	5.308E+00	5.306E+00	5.297E+00	5.282E+00	5.277E+00	9.825E-01
2.090E+00	5.164E+00	5.163E+00	5.162E+00	5.157E+00	5.146E+00	5.141E+00	9.831E-01
2.100E+00	5.023E+00	5.023E+00	5.022E+00	5.018E+00	5.008E+00	5.003E+00	9.838E-01
2.110E+00	4.889E+00	4.887E+00	4.886E+00	4.880E+00	4.867E+00	4.862E+00	9.844E-01
2.120E+00	4.758E+00	4.755E+00	4.753E+00	4.743E+00	4.729E+00	4.723E+00	9.850E-01
2.130E+00	4.625E+00	4.622E+00	4.620E+00	4.611E+00	4.596E+00	4.591E+00	9.855E-01
2.140E+00	4.492E+00	4.489E+00	4.488E+00	4.481E+00	4.470E+00	4.465E+00	9.861E-01
2.150E+00	4.361E+00	4.359E+00	4.359E+00	4.354E+00	4.345E+00	4.340E+00	9.866E-01
2.160E+00	4.234E+00	4.233E+00	4.233E+00	4.229E+00	4.219E+00	4.214E+00	9.871E-01
2.170E+00	4.113E+00	4.111E+00	4.110E+00	4.104E+00	4.093E+00	4.089E+00	9.876E-01
2.180E+00	3.994E+00	3.991E+00	3.990E+00	3.983E+00	3.971E+00	3.966E+00	9.881E-01
2.190E+00	3.875E+00	3.872E+00	3.871E+00	3.864E+00	3.853E+00	3.849E+00	9.886E-01
2.200E+00	3.756E+00	3.755E+00	3.754E+00	3.749E+00	3.740E+00	3.736E+00	9.890E-01
2.210E+00	3.641E+00	3.640E+00	3.640E+00	3.636E+00	3.628E+00	3.624E+00	9.895E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
2.220E+00	3.531E+00	3.530E+00	3.529E+00	3.525E+00	3.516E+00	3.513E+00	9.899E-01
2.230E+00	3.424E+00	3.422E+00	3.421E+00	3.416E+00	3.407E+00	3.403E+00	9.903E-01
2.240E+00	3.317E+00	3.317E+00	3.316E+00	3.310E+00	3.301E+00	3.298E+00	9.907E-01
2.250E+00	3.214E+00	3.213E+00	3.212E+00	3.207E+00	3.199E+00	3.196E+00	9.910E-01
2.260E+00	3.112E+00	3.111E+00	3.111E+00	3.107E+00	3.099E+00	3.096E+00	9.914E-01
2.270E+00	3.014E+00	3.013E+00	3.012E+00	3.008E+00	3.001E+00	2.998E+00	9.917E-01
2.280E+00	2.918E+00	2.917E+00	2.916E+00	2.912E+00	2.904E+00	2.901E+00	9.921E-01
2.290E+00	2.824E+00	2.823E+00	2.822E+00	2.818E+00	2.810E+00	2.807E+00	9.924E-01
2.300E+00	2.732E+00	2.731E+00	2.730E+00	2.726E+00	2.719E+00	2.716E+00	9.927E-01
2.310E+00	2.642E+00	2.641E+00	2.641E+00	2.637E+00	2.630E+00	2.628E+00	9.930E-01
2.320E+00	2.555E+00	2.554E+00	2.553E+00	2.550E+00	2.544E+00	2.541E+00	9.933E-01
2.330E+00	2.470E+00	2.469E+00	2.469E+00	2.465E+00	2.459E+00	2.456E+00	9.936E-01
2.340E+00	2.388E+00	2.387E+00	2.386E+00	2.383E+00	2.376E+00	2.374E+00	9.938E-01
2.350E+00	2.308E+00	2.307E+00	2.306E+00	2.303E+00	2.297E+00	2.294E+00	9.941E-01
2.360E+00	2.229E+00	2.228E+00	2.228E+00	2.225E+00	2.219E+00	2.217E+00	9.943E-01
2.370E+00	2.153E+00	2.152E+00	2.152E+00	2.149E+00	2.144E+00	2.142E+00	9.945E-01
2.380E+00	2.080E+00	2.079E+00	2.078E+00	2.075E+00	2.070E+00	2.068E+00	9.948E-01
2.390E+00	2.008E+00	2.007E+00	2.007E+00	2.004E+00	1.999E+00	1.997E+00	9.950E-01
2.400E+00	1.939E+00	1.938E+00	1.937E+00	1.935E+00	1.930E+00	1.928E+00	9.952E-01
2.410E+00	1.871E+00	1.871E+00	1.870E+00	1.868E+00	1.863E+00	1.861E+00	9.954E-01
2.420E+00	1.806E+00	1.805E+00	1.805E+00	1.803E+00	1.798E+00	1.797E+00	9.956E-01
2.430E+00	1.743E+00	1.742E+00	1.742E+00	1.740E+00	1.736E+00	1.734E+00	9.958E-01
2.440E+00	1.682E+00	1.681E+00	1.681E+00	1.679E+00	1.675E+00	1.673E+00	9.959E-01

LISTAGEM DOS RESULTADOS DO CASO B

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
2.450E+00	1.623E+00	1.622E+00	1.622E+00	1.620E+00	1.616E+00	1.614E+00	9.961E-01
2.460E+00	1.566E+00	1.565E+00	1.565E+00	1.563E+00	1.559E+00	1.558E+00	9.963E-01
2.470E+00	1.510E+00	1.510E+00	1.510E+00	1.508E+00	1.504E+00	1.503E+00	9.964E-01
2.480E+00	1.457E+00	1.457E+00	1.456E+00	1.455E+00	1.451E+00	1.450E+00	9.966E-01
2.490E+00	1.406E+00	1.405E+00	1.405E+00	1.403E+00	1.400E+00	1.399E+00	9.967E-01
2.500E+00	1.356E+00	1.356E+00	1.355E+00	1.354E+00	1.351E+00	1.350E+00	9.968E-01
2.510E+00	1.308E+00	1.308E+00	1.308E+00	1.306E+00	1.303E+00	1.302E+00	9.970E-01
2.520E+00	1.262E+00	1.262E+00	1.261E+00	1.260E+00	1.257E+00	1.256E+00	9.971E-01
2.530E+00	1.218E+00	1.217E+00	1.217E+00	1.216E+00	1.213E+00	1.212E+00	9.972E-01
2.540E+00	1.175E+00	1.175E+00	1.174E+00	1.173E+00	1.171E+00	1.170E+00	9.973E-01
2.550E+00	1.134E+00	1.133E+00	1.133E+00	1.132E+00	1.130E+00	1.129E+00	9.974E-01
2.560E+00	1.094E+00	1.094E+00	1.094E+00	1.092E+00	1.090E+00	1.090E+00	9.975E-01
2.570E+00	1.056E+00	1.056E+00	1.056E+00	1.054E+00	1.053E+00	1.054E+00	9.976E-01
2.580E+00	1.019E+00	1.019E+00	1.020E+00	1.022E+00	1.031E+00	1.034E+00	9.977E-01
2.586E+00	9.971E-01	1.001E+00	1.002E+00	1.009E+00	1.019E+00	1.023E+00	9.978E-01

LISTAGEM DOS RESULTADOS DO CASO 8 (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
0.0	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	0.000E+00
5.000E-03	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	2.300E+02	0.000E+00
1.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	3.506E+01
1.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.288E+02	3.431E+01
2.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.283E+02	3.364E+01
2.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.297E+02	2.279E+02	3.285E+01
3.000E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.293E+02	2.278E+02	3.107E+01
3.500E-02	2.299E+02	2.299E+02	2.299E+02	2.299E+02	2.288E+02	2.279E+02	3.070E+01
4.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.282E+02	2.279E+02	3.100E+01
4.500E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.279E+02	2.280E+02	3.136E+01
5.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.279E+02	2.280E+02	3.161E+01
5.500E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.280E+02	2.280E+02	3.164E+01
6.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.281E+02	2.279E+02	3.143E+01
6.500E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.280E+02	2.280E+02	3.147E+01
7.000E-02	2.298E+02	2.299E+02	2.299E+02	2.299E+02	2.279E+02	2.281E+02	3.186E+01
7.500E-02	2.298E+02	2.298E+02	2.299E+02	2.298E+02	2.279E+02	2.281E+02	3.236E+01
8.000E-02	2.298E+02	2.298E+02	2.299E+02	2.297E+02	2.279E+02	2.280E+02	3.246E+01
8.500E-02	2.298E+02	2.298E+02	2.299E+02	2.296E+02	2.280E+02	2.279E+02	3.197E+01
9.000E-02	2.298E+02	2.298E+02	2.298E+02	2.294E+02	2.280E+02	2.279E+02	3.117E+01
9.500E-02	2.298E+02	2.298E+02	2.298E+02	2.291E+02	2.281E+02	2.279E+02	3.104E+01
1.000E-01	2.298E+02	2.298E+02	2.298E+02	2.288E+02	2.281E+02	2.280E+02	3.135E+01
1.050E-01	2.298E+02	2.298E+02	2.298E+02	2.284E+02	2.280E+02	2.280E+02	3.168E+01
1.100E-01	2.298E+02	2.298E+02	2.298E+02	2.281E+02	2.279E+02	2.280E+02	3.189E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.150E-01	2.298E+02	2.298E+02	2.297E+02	2.279E+02	2.278E+02	2.280E+02	3.183E+01
1.200E-01	2.298E+02	2.298E+02	2.297E+02	2.278E+02	2.279E+02	2.279E+02	3.147E+01
1.250E-01	2.298E+02	2.297E+02	2.296E+02	2.278E+02	2.280E+02	2.279E+02	3.111E+01
1.300E-01	2.298E+02	2.297E+02	2.295E+02	2.279E+02	2.280E+02	2.279E+02	3.092E+01
1.350E-01	2.298E+02	2.297E+02	2.294E+02	2.280E+02	2.280E+02	2.279E+02	3.098E+01
1.400E-01	2.298E+02	2.296E+02	2.293E+02	2.280E+02	2.280E+02	2.280E+02	3.129E+01
1.450E-01	2.298E+02	2.295E+02	2.291E+02	2.280E+02	2.279E+02	2.280E+02	3.158E+01
1.500E-01	2.298E+02	2.294E+02	2.288E+02	2.280E+02	2.279E+02	2.280E+02	3.185E+01
1.550E-01	2.298E+02	2.292E+02	2.286E+02	2.279E+02	2.279E+02	2.280E+02	3.190E+01
1.600E-01	2.297E+02	2.290E+02	2.283E+02	2.278E+02	2.279E+02	2.280E+02	3.175E+01
1.650E-01	2.297E+02	2.288E+02	2.280E+02	2.278E+02	2.279E+02	2.279E+02	3.145E+01
1.700E-01	2.297E+02	2.285E+02	2.279E+02	2.279E+02	2.279E+02	2.279E+02	3.125E+01
1.750E-01	2.297E+02	2.283E+02	2.277E+02	2.279E+02	2.279E+02	2.279E+02	3.101E+01
1.800E-01	2.296E+02	2.281E+02	2.277E+02	2.279E+02	2.278E+02	2.278E+02	3.065E+01
1.850E-01	2.295E+02	2.279E+02	2.278E+02	2.279E+02	2.279E+02	2.278E+02	3.026E+01
1.900E-01	2.294E+02	2.278E+02	2.278E+02	2.279E+02	2.279E+02	2.278E+02	3.001E+01
1.950E-01	2.292E+02	2.278E+02	2.279E+02	2.278E+02	2.279E+02	2.278E+02	2.999E+01
2.000E-01	2.291E+02	2.278E+02	2.280E+02	2.278E+02	2.279E+02	2.278E+02	3.018E+01
2.050E-01	2.288E+02	2.278E+02	2.280E+02	2.278E+02	2.278E+02	2.278E+02	3.047E+01
2.100E-01	2.286E+02	2.279E+02	2.279E+02	2.278E+02	2.277E+02	2.279E+02	3.068E+01
2.150E-01	2.283E+02	2.279E+02	2.279E+02	2.278E+02	2.277E+02	2.278E+02	3.064E+01
2.200E-01	2.280E+02	2.279E+02	2.279E+02	2.278E+02	2.277E+02	2.278E+02	3.033E+01
2.250E-01	2.278E+02	2.279E+02	2.278E+02	2.279E+02	2.278E+02	2.277E+02	2.988E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
2.300E-01	2.275E+02	2.279E+02	2.278E+02	2.279E+02	2.278E+02	2.277E+02	2.951E+01
2.350E-01	2.273E+02	2.278E+02	2.278E+02	2.279E+02	2.278E+02	2.277E+02	2.940E+01
2.400E-01	2.272E+02	2.278E+02	2.278E+02	2.279E+02	2.278E+02	2.277E+02	2.953E+01
2.450E-01	2.270E+02	2.277E+02	2.278E+02	2.279E+02	2.277E+02	2.277E+02	2.974E+01
2.500E-01	2.268E+02	2.276E+02	2.278E+02	2.278E+02	2.276E+02	2.277E+02	2.980E+01
2.550E-01	2.266E+02	2.276E+02	2.277E+02	2.278E+02	2.276E+02	2.277E+02	2.963E+01
2.600E-01	2.263E+02	2.275E+02	2.277E+02	2.278E+02	2.277E+02	2.276E+02	2.938E+01
2.650E-01	2.261E+02	2.273E+02	2.275E+02	2.278E+02	2.273E+02	2.276E+02	2.902E+01
2.700E-01	2.260E+02	2.271E+02	2.274E+02	2.277E+02	2.278E+02	2.276E+02	2.892E+01
2.750E-01	2.259E+02	2.269E+02	2.272E+02	2.277E+02	2.278E+02	2.277E+02	2.912E+01
2.800E-01	2.259E+02	2.267E+02	2.271E+02	2.277E+02	2.278E+02	2.277E+02	2.953E+01
2.850E-01	2.260E+02	2.264E+02	2.269E+02	2.277E+02	2.277E+02	2.278E+02	2.976E+01
2.900E-01	2.260E+02	2.262E+02	2.266E+02	2.276E+02	2.273E+02	2.278E+02	3.022E+01
2.950E-01	2.261E+02	2.260E+02	2.264E+02	2.276E+02	2.276E+02	2.273E+02	3.016E+01
3.000E-01	2.261E+02	2.259E+02	2.262E+02	2.275E+02	2.277E+02	2.277E+02	2.990E+01
3.050E-01	2.261E+02	2.259E+02	2.261E+02	2.273E+02	2.277E+02	2.277E+02	2.958E+01
3.100E-01	2.260E+02	2.259E+02	2.259E+02	2.271E+02	2.277E+02	2.277E+02	2.934E+01
3.150E-01	2.260E+02	2.260E+02	2.259E+02	2.269E+02	2.277E+02	2.277E+02	2.920E+01
3.200E-01	2.259E+02	2.260E+02	2.259E+02	2.267E+02	2.276E+02	2.276E+02	2.913E+01
3.250E-01	2.259E+02	2.260E+02	2.259E+02	2.265E+02	2.276E+02	2.276E+02	2.903E+01
3.300E-01	2.260E+02	2.260E+02	2.260E+02	2.263E+02	2.275E+02	2.276E+02	2.884E+01
3.350E-01	2.260E+02	2.260E+02	2.260E+02	2.261E+02	2.274E+02	2.275E+02	2.852E+01
3.400E-01	2.260E+02	2.260E+02	2.260E+02	2.259E+02	2.273E+02	2.274E+02	2.807E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
3.450E-01	2.260E+02	2.259E+02	2.260E+02	2.258E+02	2.272E+02	2.273E+02	2.749E+01
3.500E-01	2.260E+02	2.259E+02	2.259E+02	2.257E+02	2.270E+02	2.272E+02	2.681E+01
3.550E-01	2.259E+02	2.259E+02	2.259E+02	2.257E+02	2.268E+02	2.270E+02	2.598E+01
3.600E-01	2.259E+02	2.259E+02	2.259E+02	2.258E+02	2.265E+02	2.268E+02	2.502E+01
3.650E-01	2.259E+02	2.259E+02	2.259E+02	2.259E+02	2.263E+02	2.265E+02	2.392E+01
3.700E-01	2.259E+02	2.259E+02	2.259E+02	2.260E+02	2.260E+02	2.261E+02	2.274E+01
3.750E-01	2.259E+02	2.259E+02	2.259E+02	2.260E+02	2.258E+02	2.258E+02	2.157E+01
3.800E-01	2.259E+02	2.259E+02	2.259E+02	2.260E+02	2.255E+02	2.254E+02	2.046E+01
3.850E-01	2.259E+02	2.258E+02	2.258E+02	2.259E+02	2.252E+02	2.250E+02	1.946E+01
3.900E-01	2.259E+02	2.258E+02	2.258E+02	2.259E+02	2.250E+02	2.247E+02	1.860E+01
3.950E-01	2.259E+02	2.258E+02	2.258E+02	2.258E+02	2.248E+02	2.244E+02	1.792E+01
4.000E-01	2.258E+02	2.259E+02	2.258E+02	2.257E+02	2.246E+02	2.242E+02	1.741E+01
4.050E-01	2.258E+02	2.259E+02	2.259E+02	2.257E+02	2.245E+02	2.241E+02	1.711E+01
4.100E-01	2.258E+02	2.259E+02	2.259E+02	2.256E+02	2.245E+02	2.242E+02	1.702E+01
4.150E-01	2.258E+02	2.259E+02	2.259E+02	2.255E+02	2.244E+02	2.243E+02	1.710E+01
4.200E-01	2.258E+02	2.259E+02	2.258E+02	2.254E+02	2.243E+02	2.244E+02	1.728E+01
4.250E-01	2.258E+02	2.258E+02	2.258E+02	2.253E+02	2.243E+02	2.245E+02	1.749E+01
4.300E-01	2.258E+02	2.258E+02	2.258E+02	2.251E+02	2.243E+02	2.245E+02	1.765E+01
4.350E-01	2.258E+02	2.257E+02	2.257E+02	2.249E+02	2.243E+02	2.245E+02	1.770E+01
4.400E-01	2.258E+02	2.257E+02	2.256E+02	2.247E+02	2.244E+02	2.245E+02	1.764E+01
4.450E-01	2.258E+02	2.256E+02	2.255E+02	2.246E+02	2.244E+02	2.244E+02	1.751E+01
4.500E-01	2.258E+02	2.256E+02	2.254E+02	2.244E+02	2.244E+02	2.243E+02	1.736E+01
4.550E-01	2.257E+02	2.255E+02	2.253E+02	2.243E+02	2.244E+02	2.243E+02	1.726E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
4.600E-01	2.257E+02	2.254E+02	2.252E+02	2.243E+02	2.244E+02	2.243E+02	1.723E+01
4.650E-01	2.257E+02	2.253E+02	2.250E+02	2.243E+02	2.245E+02	2.243E+02	1.725E+01
4.700E-01	2.256E+02	2.251E+02	2.248E+02	2.242E+02	2.243E+02	2.243E+02	1.729E+01
4.750E-01	2.256E+02	2.250E+02	2.247E+02	2.243E+02	2.243E+02	2.243E+02	1.731E+01
4.800E-01	2.255E+02	2.249E+02	2.245E+02	2.243E+02	2.243E+02	2.243E+02	1.732E+01
4.850E-01	2.254E+02	2.247E+02	2.244E+02	2.243E+02	2.243E+02	2.243E+02	1.731E+01
4.900E-01	2.253E+02	2.245E+02	2.243E+02	2.243E+02	2.243E+02	2.243E+02	1.730E+01
4.950E-01	2.252E+02	2.244E+02	2.242E+02	2.243E+02	2.243E+02	2.243E+02	1.730E+01
5.000E-01	2.250E+02	2.243E+02	2.242E+02	2.243E+02	2.243E+02	2.243E+02	1.730E+01
5.050E-01	2.248E+02	2.242E+02	2.242E+02	2.243E+02	2.243E+02	2.243E+02	1.728E+01
5.100E-01	2.245E+02	2.242E+02	2.242E+02	2.242E+02	2.242E+02	2.243E+02	1.724E+01
5.150E-01	2.243E+02	2.242E+02	2.243E+02	2.242E+02	2.242E+02	2.242E+02	1.718E+01
5.200E-01	2.241E+02	2.242E+02	2.243E+02	2.242E+02	2.242E+02	2.242E+02	1.711E+01
5.250E-01	2.238E+02	2.241E+02	2.243E+02	2.242E+02	2.242E+02	2.242E+02	1.704E+01
5.300E-01	2.236E+02	2.241E+02	2.242E+02	2.242E+02	2.242E+02	2.241E+02	1.699E+01
5.350E-01	2.234E+02	2.240E+02	2.241E+02	2.242E+02	2.242E+02	2.241E+02	1.696E+01
5.400E-01	2.232E+02	2.239E+02	2.240E+02	2.242E+02	2.242E+02	2.241E+02	1.696E+01
5.450E-01	2.231E+02	2.238E+02	2.239E+02	2.242E+02	2.241E+02	2.241E+02	1.697E+01
5.500E-01	2.227E+02	2.236E+02	2.238E+02	2.242E+02	2.241E+02	2.241E+02	1.697E+01
5.550E-01	2.229E+02	2.235E+02	2.237E+02	2.241E+02	2.241E+02	2.241E+02	1.696E+01
5.600E-01	2.228E+02	2.233E+02	2.235E+02	2.241E+02	2.241E+02	2.241E+02	1.692E+01
5.650E-01	2.228E+02	2.231E+02	2.234E+02	2.240E+02	2.241E+02	2.241E+02	1.688E+01
5.700E-01	2.225E+02	2.230E+02	2.232E+02	2.239E+02	2.241E+02	2.241E+02	1.685E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
5.750E-01	2.228E+02	2.229E+02	2.231E+02	2.238E+02	2.241E+02	2.241E+02	1.684E+01
5.800E-01	2.228E+02	2.228E+02	2.230E+02	2.236E+02	2.241E+02	2.241E+02	1.684E+01
5.850E-01	2.228E+02	2.228E+02	2.228E+02	2.235E+02	2.240E+02	2.241E+02	1.683E+01
5.900E-01	2.228E+02	2.227E+02	2.228E+02	2.233E+02	2.239E+02	2.240E+02	1.680E+01
5.950E-01	2.228E+02	2.227E+02	2.227E+02	2.232E+02	2.239E+02	2.240E+02	1.673E+01
6.000E-01	2.228E+02	2.228E+02	2.227E+02	2.231E+02	2.238E+02	2.239E+02	1.661E+01
6.050E-01	2.228E+02	2.228E+02	2.227E+02	2.229E+02	2.237E+02	2.238E+02	1.644E+01
6.100E-01	2.228E+02	2.228E+02	2.227E+02	2.228E+02	2.235E+02	2.236E+02	1.623E+01
6.150E-01	2.227E+02	2.228E+02	2.227E+02	2.227E+02	2.234E+02	2.234E+02	1.598E+01
6.200E-01	2.227E+02	2.227E+02	2.227E+02	2.226E+02	2.232E+02	2.232E+02	1.568E+01
6.250E-01	2.227E+02	2.227E+02	2.227E+02	2.226E+02	2.229E+02	2.230E+02	1.536E+01
6.300E-01	2.227E+02	2.227E+02	2.227E+02	2.226E+02	2.227E+02	2.227E+02	1.501E+01
6.350E-01	2.227E+02	2.226E+02	2.227E+02	2.226E+02	2.224E+02	2.224E+02	1.465E+01
6.400E-01	2.227E+02	2.226E+02	2.227E+02	2.226E+02	2.222E+02	2.221E+02	1.429E+01
6.450E-01	2.227E+02	2.226E+02	2.226E+02	2.226E+02	2.219E+02	2.218E+02	1.394E+01
6.500E-01	2.226E+02	2.226E+02	2.226E+02	2.226E+02	2.217E+02	2.216E+02	1.370E+01
6.550E-01	2.226E+02	2.226E+02	2.226E+02	2.225E+02	2.216E+02	2.216E+02	1.357E+01
6.600E-01	2.226E+02	2.226E+02	2.226E+02	2.224E+02	2.214E+02	2.212E+02	1.349E+01
6.650E-01	2.226E+02	2.226E+02	2.226E+02	2.222E+02	2.213E+02	2.211E+02	1.344E+01
6.700E-01	2.226E+02	2.226E+02	2.226E+02	2.221E+02	2.213E+02	2.211E+02	1.342E+01
6.750E-01	2.226E+02	2.225E+02	2.225E+02	2.219E+02	2.212E+02	2.211E+02	1.341E+01
6.800E-01	2.225E+02	2.225E+02	2.224E+02	2.218E+02	2.212E+02	2.212E+02	1.343E+01
6.850E-01	2.225E+02	2.224E+02	2.223E+02	2.216E+02	2.212E+02	2.212E+02	1.344E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
6.900E-01	2.225E+02	2.223E+02	2.222E+02	2.215E+02	2.212E+02	2.213E+02	1.345E+01
6.950E-01	2.225E+02	2.222E+02	2.221E+02	2.214E+02	2.212E+02	2.213E+02	1.346E+01
7.000E-01	2.224E+02	2.221E+02	2.219E+02	2.213E+02	2.212E+02	2.212E+02	1.345E+01
7.050E-01	2.224E+02	2.220E+02	2.218E+02	2.212E+02	2.212E+02	2.212E+02	1.344E+01
7.100E-01	2.223E+02	2.219E+02	2.217E+02	2.211E+02	2.212E+02	2.211E+02	1.343E+01
7.150E-01	2.222E+02	2.217E+02	2.215E+02	2.211E+02	2.212E+02	2.211E+02	1.341E+01
7.200E-01	2.221E+02	2.216E+02	2.214E+02	2.211E+02	2.212E+02	2.211E+02	1.341E+01
7.250E-01	2.219E+02	2.214E+02	2.213E+02	2.211E+02	2.211E+02	2.211E+02	1.341E+01
7.300E-01	2.218E+02	2.213E+02	2.212E+02	2.211E+02	2.211E+02	2.211E+02	1.341E+01
7.350E-01	2.216E+02	2.212E+02	2.211E+02	2.211E+02	2.211E+02	2.211E+02	1.342E+01
7.400E-01	2.214E+02	2.211E+02	2.210E+02	2.211E+02	2.211E+02	2.211E+02	1.342E+01
7.450E-01	2.211E+02	2.210E+02	2.210E+02	2.211E+02	2.211E+02	2.211E+02	1.341E+01
7.500E-01	2.209E+02	2.209E+02	2.210E+02	2.211E+02	2.211E+02	2.211E+02	1.340E+01
7.550E-01	2.206E+02	2.208E+02	2.209E+02	2.210E+02	2.210E+02	2.210E+02	1.338E+01
7.600E-01	2.204E+02	2.208E+02	2.209E+02	2.210E+02	2.210E+02	2.210E+02	1.337E+01
7.650E-01	2.202E+02	2.207E+02	2.208E+02	2.210E+02	2.210E+02	2.209E+02	1.336E+01
7.700E-01	2.200E+02	2.206E+02	2.207E+02	2.209E+02	2.209E+02	2.209E+02	1.335E+01
7.750E-01	2.199E+02	2.204E+02	2.206E+02	2.209E+02	2.209E+02	2.209E+02	1.334E+01
7.800E-01	2.198E+02	2.203E+02	2.204E+02	2.209E+02	2.209E+02	2.209E+02	1.334E+01
7.850E-01	2.197E+02	2.201E+02	2.203E+02	2.208E+02	2.209E+02	2.209E+02	1.333E+01
7.900E-01	2.197E+02	2.200E+02	2.201E+02	2.207E+02	2.208E+02	2.208E+02	1.333E+01
7.950E-01	2.197E+02	2.199E+02	2.200E+02	2.206E+02	2.208E+02	2.208E+02	1.332E+01
8.000E-01	2.196E+02	2.197E+02	2.197E+02	2.204E+02	2.207E+02	2.208E+02	1.331E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
6.000E-01	2.196E+02	2.197E+02	2.198E+02	2.203E+02	2.207E+02	2.207E+02	1.329E+01
6.100E-01	2.196E+02	2.196E+02	2.197E+02	2.201E+02	2.206E+02	2.206E+02	1.327E+01
6.200E-01	2.196E+02	2.196E+02	2.196E+02	2.199E+02	2.205E+02	2.205E+02	1.324E+01
6.300E-01	2.196E+02	2.196E+02	2.196E+02	2.196E+02	2.203E+02	2.204E+02	1.320E+01
6.400E-01	2.196E+02	2.196E+02	2.195E+02	2.197E+02	2.202E+02	2.202E+02	1.315E+01
6.500E-01	2.196E+02	2.196E+02	2.195E+02	2.196E+02	2.200E+02	2.200E+02	1.309E+01
6.600E-01	2.196E+02	2.196E+02	2.195E+02	2.195E+02	2.197E+02	2.197E+02	1.302E+01
6.700E-01	2.196E+02	2.195E+02	2.195E+02	2.194E+02	2.195E+02	2.194E+02	1.293E+01
6.800E-01	2.195E+02	2.195E+02	2.195E+02	2.194E+02	2.192E+02	2.191E+02	1.284E+01
6.900E-01	2.195E+02	2.195E+02	2.195E+02	2.193E+02	2.190E+02	2.186E+02	1.275E+01
7.000E-01	2.195E+02	2.194E+02	2.194E+02	2.192E+02	2.187E+02	2.186E+02	1.266E+01
7.100E-01	2.194E+02	2.194E+02	2.194E+02	2.192E+02	2.185E+02	2.183E+02	1.258E+01
7.200E-01	2.194E+02	2.194E+02	2.194E+02	2.191E+02	2.183E+02	2.181E+02	1.251E+01
7.300E-01	2.194E+02	2.194E+02	2.193E+02	2.190E+02	2.181E+02	2.179E+02	1.245E+01
7.400E-01	2.193E+02	2.193E+02	2.192E+02	2.188E+02	2.180E+02	2.178E+02	1.240E+01
7.500E-01	2.193E+02	2.193E+02	2.192E+02	2.186E+02	2.179E+02	2.178E+02	1.238E+01
7.600E-01	2.193E+02	2.192E+02	2.191E+02	2.185E+02	2.178E+02	2.178E+02	1.236E+01
7.700E-01	2.192E+02	2.191E+02	2.190E+02	2.183E+02	2.178E+02	2.178E+02	1.236E+01
7.800E-01	2.192E+02	2.189E+02	2.188E+02	2.181E+02	2.178E+02	2.178E+02	1.237E+01
7.900E-01	2.191E+02	2.188E+02	2.187E+02	2.180E+02	2.178E+02	2.178E+02	1.237E+01
7.950E-01	2.190E+02	2.186E+02	2.185E+02	2.179E+02	2.178E+02	2.178E+02	1.237E+01
7.980E-01	2.189E+02	2.185E+02	2.183E+02	2.178E+02	2.178E+02	2.178E+02	1.237E+01
7.990E-01	2.188E+02	2.183E+02	2.181E+02	2.178E+02	2.178E+02	2.178E+02	1.236E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
9.200E+01	2.183E+02	2.181E+02	2.180E+02	2.179E+02	2.178E+02	2.177E+02	1.235E+01
9.250E+01	2.184E+02	2.180E+02	2.178E+02	2.177E+02	2.177E+02	2.177E+02	1.234E+01
9.300E+01	2.184E+02	2.178E+02	2.177E+02	2.176E+02	2.177E+02	2.177E+02	1.233E+01
9.350E+01	2.179E+02	2.177E+02	2.176E+02	2.176E+02	2.177E+02	2.177E+02	1.233E+01
9.400E+01	2.178E+02	2.175E+02	2.175E+02	2.176E+02	2.176E+02	2.176E+02	1.232E+01
9.450E+01	2.173E+02	2.174E+02	2.174E+02	2.176E+02	2.176E+02	2.176E+02	1.231E+01
9.500E+01	2.171E+02	2.173E+02	2.174E+02	2.176E+02	2.176E+02	2.176E+02	1.230E+01
9.550E+01	2.168E+02	2.171E+02	2.173E+02	2.175E+02	2.175E+02	2.175E+02	1.229E+01
9.600E+01	2.166E+02	2.170E+02	2.171E+02	2.175E+02	2.175E+02	2.174E+02	1.227E+01
9.650E+01	2.164E+02	2.169E+02	2.170E+02	2.174E+02	2.174E+02	2.174E+02	1.225E+01
9.700E+01	2.163E+02	2.167E+02	2.169E+02	2.173E+02	2.174E+02	2.173E+02	1.224E+01
9.750E+01	2.162E+02	2.165E+02	2.167E+02	2.172E+02	2.173E+02	2.173E+02	1.222E+01
9.800E+01	2.161E+02	2.164E+02	2.165E+02	2.170E+02	2.172E+02	2.173E+02	1.221E+01
9.850E+01	2.161E+02	2.163E+02	2.164E+02	2.169E+02	2.172E+02	2.172E+02	1.219E+01
9.900E+01	2.160E+02	2.161E+02	2.162E+02	2.167E+02	2.171E+02	2.171E+02	1.217E+01
9.950E+01	2.160E+02	2.160E+02	2.161E+02	2.165E+02	2.169E+02	2.169E+02	1.213E+01
1.000E+02	2.160E+02	2.160E+02	2.160E+02	2.163E+02	2.168E+02	2.168E+02	1.208E+01
1.010E+02	2.160E+02	2.159E+02	2.159E+02	2.160E+02	2.163E+02	2.163E+02	1.198E+01
1.020E+02	2.159E+02	2.159E+02	2.158E+02	2.155E+02	2.157E+02	2.157E+02	1.183E+01
1.030E+02	2.158E+02	2.158E+02	2.158E+02	2.155E+02	2.151E+02	2.150E+02	1.171E+01
1.040E+02	2.157E+02	2.157E+02	2.156E+02	2.153E+02	2.146E+02	2.145E+02	1.156E+01
1.050E+02	2.156E+02	2.155E+02	2.155E+02	2.150E+02	2.142E+02	2.141E+02	1.143E+01
1.060E+02	2.155E+02	2.155E+02	2.152E+02	2.146E+02	2.140E+02	2.140E+02	1.134E+01

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.070E+00	2.153E+02	2.150E+02	2.148E+02	2.143E+02	2.140E+02	2.139E+02	1.129E+01
1.080E+00	2.149E+02	2.146E+02	2.144E+02	2.140E+02	2.139E+02	2.139E+02	1.125E+01
1.090E+00	2.145E+02	2.142E+02	2.141E+02	2.138E+02	2.139E+02	2.139E+02	1.123E+01
1.100E+00	2.139E+02	2.138E+02	2.137E+02	2.137E+02	2.138E+02	2.138E+02	1.120E+01
1.110E+00	2.133E+02	2.134E+02	2.135E+02	2.136E+02	2.137E+02	2.137E+02	1.117E+01
1.120E+00	2.126E+02	2.130E+02	2.132E+02	2.135E+02	2.136E+02	2.135E+02	1.114E+01
1.130E+00	2.123E+02	2.127E+02	2.128E+02	2.132E+02	2.134E+02	2.134E+02	1.110E+01
1.140E+00	2.121E+02	2.124E+02	2.125E+02	2.129E+02	2.131E+02	2.131E+02	1.104E+01
1.150E+00	2.120E+02	2.124E+02	2.122E+02	2.125E+02	2.128E+02	2.128E+02	1.097E+01
1.160E+00	2.119E+02	2.119E+02	2.119E+02	2.121E+02	2.123E+02	2.123E+02	1.067E+01
1.170E+00	2.118E+02	2.118E+02	2.117E+02	2.117E+02	2.117E+02	2.117E+02	1.073E+01
1.180E+00	2.117E+02	2.116E+02	2.116E+02	2.114E+02	2.111E+02	2.110E+02	1.058E+01
1.190E+00	2.116E+02	2.115E+02	2.114E+02	2.110E+02	2.105E+02	2.104E+02	1.042E+01
1.200E+00	2.114E+02	2.112E+02	2.112E+02	2.107E+02	2.101E+02	2.100E+02	1.028E+01
1.210E+00	2.111E+02	2.109E+02	2.108E+02	2.103E+02	2.098E+02	2.097E+02	1.017E+01
1.220E+00	2.108E+02	2.105E+02	2.104E+02	2.099E+02	2.097E+02	2.096E+02	1.010E+01
1.230E+00	2.103E+02	2.100E+02	2.099E+02	2.096E+02	2.096E+02	2.096E+02	1.005E+01
1.240E+00	2.096E+02	2.095E+02	2.095E+02	2.094E+02	2.095E+02	2.095E+02	1.001E+01
1.250E+00	2.090E+02	2.091E+02	2.091E+02	2.092E+02	2.093E+02	2.093E+02	9.969E+00
1.260E+00	2.084E+02	2.086E+02	2.087E+02	2.090E+02	2.091E+02	2.091E+02	9.920E+00
1.270E+00	2.079E+02	2.082E+02	2.083E+02	2.087E+02	2.088E+02	2.088E+02	9.859E+00
1.280E+00	2.076E+02	2.078E+02	2.079E+02	2.083E+02	2.085E+02	2.084E+02	9.780E+00
1.290E+00	2.075E+02	2.075E+02	2.076E+02	2.078E+02	2.080E+02	2.079E+02	9.674E+00

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.300E+00	2.073E+02	2.073E+02	2.073E+02	2.073E+02	2.073E+02	2.073E+02	9.542E+00
1.310E+00	2.072E+02	2.071E+02	2.071E+02	2.069E+02	2.066E+02	2.066E+02	9.390E+00
1.320E+00	2.070E+02	2.069E+02	2.068E+02	2.064E+02	2.060E+02	2.059E+02	9.234E+00
1.330E+00	2.067E+02	2.065E+02	2.064E+02	2.060E+02	2.055E+02	2.054E+02	9.094E+00
1.340E+00	2.063E+02	2.061E+02	2.060E+02	2.056E+02	2.052E+02	2.051E+02	8.983E+00
1.350E+00	2.058E+02	2.056E+02	2.055E+02	2.052E+02	2.050E+02	2.049E+02	8.901E+00
1.360E+00	2.051E+02	2.050E+02	2.050E+02	2.048E+02	2.048E+02	2.048E+02	8.838E+00
1.370E+00	2.044E+02	2.045E+02	2.045E+02	2.045E+02	2.046E+02	2.046E+02	8.781E+00
1.380E+00	2.038E+02	2.039E+02	2.040E+02	2.042E+02	2.044E+02	2.044E+02	8.718E+00
1.390E+00	2.032E+02	2.034E+02	2.035E+02	2.038E+02	2.040E+02	2.040E+02	8.641E+00
1.400E+00	2.028E+02	2.030E+02	2.031E+02	2.034E+02	2.035E+02	2.035E+02	8.544E+00
1.410E+00	2.026E+02	2.027E+02	2.027E+02	2.028E+02	2.029E+02	2.028E+02	8.421E+00
1.420E+00	2.024E+02	2.024E+02	2.023E+02	2.023E+02	2.022E+02	2.021E+02	8.277E+00
1.430E+00	2.022E+02	2.020E+02	2.020E+02	2.017E+02	2.014E+02	2.014E+02	8.122E+00
1.440E+00	2.018E+02	2.017E+02	2.016E+02	2.012E+02	2.008E+02	2.007E+02	7.971E+00
1.450E+00	2.014E+02	2.012E+02	2.011E+02	2.007E+02	2.004E+02	2.003E+02	7.841E+00
1.460E+00	2.008E+02	2.006E+02	2.006E+02	2.003E+02	2.000E+02	2.000E+02	7.736E+00
1.470E+00	2.001E+02	2.000E+02	2.000E+02	1.999E+02	1.998E+02	1.998E+02	7.652E+00
1.480E+00	1.993E+02	1.994E+02	1.994E+02	1.995E+02	1.995E+02	1.995E+02	7.577E+00
1.490E+00	1.986E+02	1.988E+02	1.988E+02	1.990E+02	1.992E+02	1.992E+02	7.495E+00
1.500E+00	1.981E+02	1.982E+02	1.983E+02	1.986E+02	1.987E+02	1.987E+02	7.397E+00
1.510E+00	1.977E+02	1.978E+02	1.978E+02	1.980E+02	1.980E+02	1.980E+02	7.278E+00
1.520E+00	1.974E+02	1.974E+02	1.974E+02	1.974E+02	1.973E+02	1.973E+02	7.138E+00

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.500E+00	1.971E+02	1.970E+02	1.967E+02	1.968E+02	1.965E+02	1.965E+02	6.986E+00
1.540E+00	1.970E+02	1.965E+02	1.965E+02	1.962E+02	1.959E+02	1.958E+02	6.834E+00
1.580E+00	1.962E+02	1.960E+02	1.957E+02	1.956E+02	1.953E+02	1.952E+02	6.695E+00
1.620E+00	1.953E+02	1.954E+02	1.953E+02	1.951E+02	1.949E+02	1.949E+02	6.578E+00
1.660E+00	1.947E+02	1.947E+02	1.947E+02	1.946E+02	1.946E+02	1.946E+02	6.479E+00
1.700E+00	1.940E+02	1.940E+02	1.940E+02	1.941E+02	1.942E+02	1.942E+02	6.386E+00
1.740E+00	1.933E+02	1.934E+02	1.934E+02	1.936E+02	1.937E+02	1.937E+02	6.295E+00
1.780E+00	1.927E+02	1.926E+02	1.929E+02	1.930E+02	1.931E+02	1.931E+02	6.199E+00
1.820E+00	1.923E+02	1.923E+02	1.924E+02	1.924E+02	1.923E+02	1.923E+02	6.096E+00
1.860E+00	1.919E+02	1.919E+02	1.918E+02	1.917E+02	1.915E+02	1.915E+02	5.988E+00
1.900E+00	1.915E+02	1.914E+02	1.913E+02	1.911E+02	1.908E+02	1.907E+02	5.884E+00
1.940E+00	1.909E+02	1.908E+02	1.907E+02	1.904E+02	1.902E+02	1.901E+02	5.791E+00
1.980E+00	1.902E+02	1.901E+02	1.901E+02	1.899E+02	1.897E+02	1.896E+02	5.711E+00
2.020E+00	1.894E+02	1.894E+02	1.893E+02	1.893E+02	1.892E+02	1.892E+02	5.643E+00
2.060E+00	1.886E+02	1.886E+02	1.886E+02	1.887E+02	1.888E+02	1.887E+02	5.577E+00
2.100E+00	1.878E+02	1.879E+02	1.880E+02	1.881E+02	1.882E+02	1.881E+02	5.503E+00
2.140E+00	1.872E+02	1.873E+02	1.873E+02	1.874E+02	1.874E+02	1.874E+02	5.417E+00
2.180E+00	1.867E+02	1.867E+02	1.867E+02	1.867E+02	1.866E+02	1.865E+02	5.322E+00
2.220E+00	1.862E+02	1.862E+02	1.861E+02	1.860E+02	1.858E+02	1.857E+02	5.223E+00
2.260E+00	1.856E+02	1.855E+02	1.855E+02	1.852E+02	1.850E+02	1.849E+02	5.128E+00
2.300E+00	1.849E+02	1.848E+02	1.848E+02	1.846E+02	1.843E+02	1.843E+02	5.043E+00
2.340E+00	1.840E+02	1.840E+02	1.840E+02	1.839E+02	1.838E+02	1.838E+02	4.968E+00
2.380E+00	1.832E+02	1.832E+02	1.832E+02	1.832E+02	1.832E+02	1.832E+02	4.895E+00

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.760E+00	1.824E+02	1.824E+02	1.824E+02	1.825E+02	1.826E+02	1.825E+02	4.818E+00
1.770E+00	1.817E+02	1.817E+02	1.817E+02	1.818E+02	1.818E+02	1.817E+02	4.731E+00
1.780E+00	1.810E+02	1.810E+02	1.810E+02	1.810E+02	1.809E+02	1.808E+02	4.637E+00
1.790E+00	1.804E+02	1.804E+02	1.803E+02	1.802E+02	1.800E+02	1.779E+02	4.541E+00
1.800E+00	1.797E+02	1.796E+02	1.796E+02	1.794E+02	1.792E+02	1.791E+02	4.449E+00
1.810E+00	1.789E+02	1.788E+02	1.788E+02	1.786E+02	1.784E+02	1.784E+02	4.365E+00
1.820E+00	1.779E+02	1.779E+02	1.779E+02	1.779E+02	1.778E+02	1.778E+02	4.288E+00
1.830E+00	1.770E+02	1.771E+02	1.771E+02	1.771E+02	1.771E+02	1.771E+02	4.210E+00
1.840E+00	1.762E+02	1.762E+02	1.762E+02	1.763E+02	1.763E+02	1.762E+02	4.127E+00
1.850E+00	1.754E+02	1.755E+02	1.755E+02	1.754E+02	1.754E+02	1.753E+02	4.038E+00
1.860E+00	1.747E+02	1.747E+02	1.747E+02	1.746E+02	1.744E+02	1.744E+02	3.945E+00
1.870E+00	1.740E+02	1.739E+02	1.739E+02	1.737E+02	1.735E+02	1.735E+02	3.854E+00
1.880E+00	1.731E+02	1.730E+02	1.730E+02	1.729E+02	1.727E+02	1.726E+02	3.770E+00
1.890E+00	1.721E+02	1.721E+02	1.721E+02	1.720E+02	1.719E+02	1.719E+02	3.690E+00
1.900E+00	1.712E+02	1.712E+02	1.712E+02	1.712E+02	1.712E+02	1.711E+02	3.612E+00
1.910E+00	1.703E+02	1.703E+02	1.703E+02	1.703E+02	1.703E+02	1.702E+02	3.530E+00
1.920E+00	1.694E+02	1.694E+02	1.694E+02	1.694E+02	1.693E+02	1.693E+02	3.444E+00
1.930E+00	1.686E+02	1.686E+02	1.686E+02	1.685E+02	1.683E+02	1.683E+02	3.356E+00
1.940E+00	1.678E+02	1.677E+02	1.677E+02	1.675E+02	1.674E+02	1.673E+02	3.270E+00
1.950E+00	1.668E+02	1.668E+02	1.667E+02	1.666E+02	1.665E+02	1.665E+02	3.189E+00
1.960E+00	1.658E+02	1.658E+02	1.658E+02	1.658E+02	1.657E+02	1.656E+02	3.112E+00
1.970E+00	1.648E+02	1.648E+02	1.648E+02	1.648E+02	1.648E+02	1.648E+02	3.034E+00
1.980E+00	1.639E+02	1.639E+02	1.639E+02	1.639E+02	1.638E+02	1.638E+02	2.955E+00

LISTAGEM DOS RESULTADOS DO CASO B (cont. Inuacab)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.990E+00	1.630E+02	1.630E+02	1.630E+02	1.629E+02	1.628E+02	1.628E+02	2.876E+00
2.000E+00	1.621E+02	1.621E+02	1.621E+02	1.620E+02	1.618E+02	1.618E+02	2.799E+00
2.010E+00	1.612E+02	1.611E+02	1.611E+02	1.610E+02	1.608E+02	1.608E+02	2.727E+00
2.020E+00	1.601E+02	1.601E+02	1.601E+02	1.600E+02	1.599E+02	1.599E+02	2.659E+00
2.030E+00	1.591E+02	1.591E+02	1.591E+02	1.591E+02	1.590E+02	1.590E+02	2.593E+00
2.040E+00	1.581E+02	1.581E+02	1.581E+02	1.581E+02	1.580E+02	1.580E+02	2.525E+00
2.050E+00	1.571E+02	1.571E+02	1.571E+02	1.571E+02	1.570E+02	1.569E+02	2.457E+00
2.060E+00	1.562E+02	1.562E+02	1.561E+02	1.561E+02	1.559E+02	1.559E+02	2.390E+00
2.070E+00	1.552E+02	1.551E+02	1.551E+02	1.550E+02	1.549E+02	1.549E+02	2.324E+00
2.080E+00	1.541E+02	1.541E+02	1.541E+02	1.540E+02	1.539E+02	1.539E+02	2.261E+00
2.090E+00	1.531E+02	1.531E+02	1.530E+02	1.530E+02	1.529E+02	1.529E+02	2.199E+00
2.100E+00	1.520E+02	1.520E+02	1.520E+02	1.520E+02	1.519E+02	1.519E+02	2.137E+00
2.110E+00	1.510E+02	1.510E+02	1.510E+02	1.509E+02	1.508E+02	1.508E+02	2.075E+00
2.120E+00	1.500E+02	1.500E+02	1.499E+02	1.499E+02	1.498E+02	1.497E+02	2.013E+00
2.130E+00	1.489E+02	1.489E+02	1.489E+02	1.488E+02	1.487E+02	1.487E+02	1.952E+00
2.140E+00	1.478E+02	1.478E+02	1.478E+02	1.478E+02	1.477E+02	1.476E+02	1.894E+00
2.150E+00	1.468E+02	1.468E+02	1.467E+02	1.467E+02	1.466E+02	1.466E+02	1.837E+00
2.160E+00	1.457E+02	1.457E+02	1.457E+02	1.456E+02	1.456E+02	1.455E+02	1.780E+00
2.170E+00	1.446E+02	1.446E+02	1.446E+02	1.446E+02	1.445E+02	1.444E+02	1.724E+00
2.180E+00	1.436E+02	1.435E+02	1.435E+02	1.435E+02	1.434E+02	1.433E+02	1.668E+00
2.190E+00	1.425E+02	1.425E+02	1.424E+02	1.424E+02	1.423E+02	1.422E+02	1.614E+00
2.200E+00	1.414E+02	1.414E+02	1.413E+02	1.413E+02	1.412E+02	1.412E+02	1.561E+00
2.210E+00	1.403E+02	1.403E+02	1.403E+02	1.402E+02	1.401E+02	1.401E+02	1.509E+00

LISTAGEM DOS RESULTADOS DO CASO B (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
2.220E+00	1.392E+02	1.392E+02	1.392E+02	1.391E+02	1.390E+02	1.390E+02	1.458E+00
2.230E+00	1.381E+02	1.381E+02	1.381E+02	1.380E+02	1.379E+02	1.379E+02	1.408E+00
2.240E+00	1.370E+02	1.370E+02	1.370E+02	1.369E+02	1.368E+02	1.368E+02	1.360E+00
2.250E+00	1.359E+02	1.359E+02	1.359E+02	1.358E+02	1.357E+02	1.357E+02	1.315E+00
2.260E+00	1.348E+02	1.348E+02	1.348E+02	1.347E+02	1.347E+02	1.346E+02	1.271E+00
2.270E+00	1.337E+02	1.337E+02	1.337E+02	1.336E+02	1.335E+02	1.335E+02	1.228E+00
2.280E+00	1.326E+02	1.326E+02	1.326E+02	1.325E+02	1.324E+02	1.324E+02	1.187E+00
2.290E+00	1.315E+02	1.315E+02	1.315E+02	1.314E+02	1.313E+02	1.313E+02	1.147E+00
2.300E+00	1.304E+02	1.304E+02	1.304E+02	1.303E+02	1.302E+02	1.302E+02	1.107E+00
2.310E+00	1.293E+02	1.292E+02	1.292E+02	1.292E+02	1.291E+02	1.291E+02	1.069E+00
2.320E+00	1.281E+02	1.281E+02	1.281E+02	1.281E+02	1.280E+02	1.280E+02	1.032E+00
2.330E+00	1.270E+02	1.270E+02	1.270E+02	1.270E+02	1.269E+02	1.269E+02	9.958E-01
2.340E+00	1.259E+02	1.259E+02	1.259E+02	1.259E+02	1.258E+02	1.257E+02	9.603E-01
2.350E+00	1.248E+02	1.248E+02	1.248E+02	1.247E+02	1.247E+02	1.246E+02	9.258E-01
2.360E+00	1.237E+02	1.237E+02	1.237E+02	1.236E+02	1.235E+02	1.235E+02	8.923E-01
2.370E+00	1.226E+02	1.226E+02	1.226E+02	1.225E+02	1.224E+02	1.224E+02	8.597E-01
2.380E+00	1.215E+02	1.215E+02	1.214E+02	1.214E+02	1.213E+02	1.213E+02	8.277E-01
2.390E+00	1.204E+02	1.203E+02	1.203E+02	1.203E+02	1.202E+02	1.202E+02	7.967E-01
2.400E+00	1.193E+02	1.192E+02	1.192E+02	1.192E+02	1.191E+02	1.191E+02	7.666E-01
2.410E+00	1.181E+02	1.181E+02	1.181E+02	1.181E+02	1.180E+02	1.180E+02	7.374E-01
2.420E+00	1.170E+02	1.170E+02	1.170E+02	1.170E+02	1.169E+02	1.169E+02	7.091E-01
2.430E+00	1.159E+02	1.159E+02	1.159E+02	1.159E+02	1.158E+02	1.158E+02	6.815E-01
2.440E+00	1.148E+02	1.148E+02	1.148E+02	1.148E+02	1.147E+02	1.147E+02	6.547E-01

LISTAGEM DOS RESULTADOS DO CASO 3 (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
2.430E+00	1.138E+02	1.137E+02	1.137E+02	1.137E+02	1.136E+02	1.136E+02	6.288E-01
2.460E+00	1.127E+02	1.127E+02	1.126E+02	1.126E+02	1.125E+02	1.125E+02	6.037E-01
2.478E+00	1.116E+02	1.116E+02	1.116E+02	1.115E+02	1.115E+02	1.114E+02	5.794E-01
2.488E+00	1.105E+02	1.105E+02	1.105E+02	1.105E+02	1.104E+02	1.104E+02	5.559E-01
2.498E+00	1.094E+02	1.094E+02	1.094E+02	1.094E+02	1.093E+02	1.093E+02	5.331E-01
2.508E+00	1.084E+02	1.084E+02	1.084E+02	1.083E+02	1.083E+02	1.082E+02	5.112E-01
2.518E+00	1.073E+02	1.073E+02	1.073E+02	1.073E+02	1.072E+02	1.072E+02	4.900E-01
2.528E+00	1.063E+02	1.063E+02	1.063E+02	1.062E+02	1.062E+02	1.061E+02	4.695E-01
2.538E+00	1.052E+02	1.052E+02	1.052E+02	1.052E+02	1.051E+02	1.051E+02	4.497E-01
2.548E+00	1.042E+02	1.042E+02	1.042E+02	1.042E+02	1.041E+02	1.041E+02	4.306E-01
2.558E+00	1.032E+02	1.032E+02	1.032E+02	1.031E+02	1.031E+02	1.031E+02	4.123E-01
2.568E+00	1.022E+02	1.022E+02	1.022E+02	1.021E+02	1.021E+02	1.020E+02	3.946E-01
2.578E+00	1.012E+02	1.012E+02	1.011E+02	1.011E+02	1.011E+02	1.011E+02	3.636E-01
2.588E+00	1.002E+02	1.002E+02	1.002E+02	1.002E+02	1.005E+02	1.006E+02	2.860E-01
2.588E+00	9.961E+01	9.966E+01	9.978E+01	9.989E+01	1.002E+02	1.003E+02	2.369E-01

LISTAGEM DOS RESULTADOS DO CASO C

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
0.0	1.500E+02	1.500E+02	1.500E+02	1.500E+02	1.500E+02	1.500E+02	0.0
5.000E-03	1.500E+02	1.500E+02	1.500E+02	1.500E+02	1.500E+02	1.500E+02	0.0
1.000E-02	1.405E+02	1.243E+02	1.176E+02	1.094E+02	1.095E+02	9.909E+01	0.0
1.500E-02	1.088E+02	1.094E+02	1.095E+02	1.095E+02	1.030E+02	9.500E+01	4.686E-03
2.000E-02	1.078E+02	1.089E+02	1.092E+02	1.095E+02	9.653E+01	9.532E+01	1.790E-02
2.500E-02	1.070E+02	1.083E+02	1.088E+02	1.094E+02	9.544E+01	9.587E+01	3.580E-02
3.000E-02	1.065E+02	1.077E+02	1.082E+02	1.080E+02	9.535E+01	9.518E+01	5.604E-02
3.500E-02	1.061E+02	1.070E+02	1.075E+02	1.033E+02	9.551E+01	9.534E+01	7.707E-02
4.000E-02	1.060E+02	1.065E+02	1.066E+02	9.745E+01	9.525E+01	9.493E+01	9.848E-02
4.500E-02	1.059E+02	1.056E+02	1.047E+02	9.511E+01	9.494E+01	9.475E+01	1.359E-01
5.000E-02	1.059E+02	1.037E+02	1.012E+02	9.387E+01	9.402E+01	9.416E+01	2.097E-01
5.500E-02	1.055E+02	1.003E+02	9.675E+01	9.314E+01	9.308E+01	9.250E+01	3.098E-01
6.000E-02	1.041E+02	9.643E+01	9.413E+01	9.281E+01	9.203E+01	9.064E+01	3.820E-01
6.500E-02	1.013E+02	9.416E+01	9.335E+01	9.216E+01	9.028E+01	8.951E+01	4.102E-01
7.000E-02	9.699E+01	9.325E+01	9.288E+01	9.206E+01	8.924E+01	8.836E+01	4.211E-01
7.500E-02	9.212E+01	9.231E+01	9.233E+01	9.171E+01	8.829E+01	8.774E+01	4.343E-01
8.000E-02	8.744E+01	9.060E+01	9.122E+01	9.082E+01	8.798E+01	8.739E+01	4.581E-01
8.500E-02	8.398E+01	8.768E+01	8.880E+01	8.956E+01	8.762E+01	8.762E+01	5.021E-01
9.000E-02	8.217E+01	8.436E+01	8.550E+01	8.754E+01	8.742E+01	8.746E+01	5.522E-01
9.500E-02	8.125E+01	8.174E+01	8.218E+01	8.453E+01	8.677E+01	8.680E+01	5.928E-01
1.000E-01	8.047E+01	7.991E+01	7.976E+01	8.124E+01	8.494E+01	8.488E+01	6.192E-01
1.050E-01	7.946E+01	7.861E+01	7.837E+01	7.881E+01	8.161E+01	8.067E+01	6.349E-01
1.100E-01	7.814E+01	7.757E+01	7.744E+01	7.757E+01	7.678E+01	7.460E+01	6.462E-01

LISTAGEM DOS RESULTADOS DO CASO C.

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
1.150E-01	7.667E+01	7.669E+01	7.674E+01	7.652E+01	7.155E+01	6.879E+01	6.549E-01
1.200E-01	7.525E+01	7.584E+01	7.598E+01	7.461E+01	6.718E+01	6.471E+01	6.635E-01
1.250E-01	7.416E+01	7.467E+01	7.462E+01	7.154E+01	6.434E+01	6.334E+01	6.767E-01
1.300E-01	7.333E+01	7.283E+01	7.227E+01	6.793E+01	6.300E+01	6.263E+01	6.975E-01
1.350E-01	7.227E+01	7.027E+01	6.917E+01	6.459E+01	6.204E+01	6.170E+01	7.239E-01
1.400E-01	7.030E+01	6.731E+01	6.602E+01	6.212E+01	6.082E+01	6.036E+01	7.501E-01
1.450E-01	6.706E+01	6.440E+01	6.331E+01	6.064E+01	5.932E+01	5.868E+01	7.723E-01
1.500E-01	6.287E+01	6.147E+01	6.091E+01	5.962E+01	5.785E+01	5.717E+01	7.918E-01
1.550E-01	5.844E+01	5.837E+01	5.841E+01	5.834E+01	5.665E+01	5.617E+01	8.106E-01
1.600E-01	5.458E+01	5.537E+01	5.571E+01	5.628E+01	5.557E+01	5.532E+01	8.284E-01
1.650E-01	5.172E+01	5.259E+01	5.290E+01	5.360E+01	5.397E+01	5.366E+01	8.445E-01
1.700E-01	4.973E+01	5.008E+01	5.024E+01	5.091E+01	5.130E+01	5.056E+01	8.584E-01
1.750E-01	4.813E+01	4.802E+01	4.804E+01	4.846E+01	4.764E+01	4.650E+01	8.692E-01
1.800E-01	4.657E+01	4.645E+01	4.641E+01	4.603E+01	4.372E+01	4.256E+01	8.769E-01
1.850E-01	4.503E+01	4.497E+01	4.483E+01	4.341E+01	4.035E+01	3.938E+01	8.839E-01
1.900E-01	4.352E+01	4.307E+01	4.274E+01	4.073E+01	3.787E+01	3.718E+01	8.927E-01
1.950E-01	4.173E+01	4.075E+01	4.026E+01	3.822E+01	3.612E+01	3.567E+01	9.026E-01
2.000E-01	3.930E+01	3.828E+01	3.781E+01	3.608E+01	3.468E+01	3.429E+01	9.123E-01
2.050E-01	3.633E+01	3.572E+01	3.543E+01	3.436E+01	3.326E+01	3.285E+01	9.213E-01
2.100E-01	3.330E+01	3.314E+01	3.306E+01	3.271E+01	3.185E+01	3.148E+01	9.297E-01
2.150E-01	3.063E+01	3.074E+01	3.078E+01	3.081E+01	3.030E+01	2.995E+01	9.372E-01
2.200E-01	2.848E+01	2.863E+01	2.869E+01	2.876E+01	2.833E+01	2.788E+01	9.435E-01
2.250E-01	2.678E+01	2.681E+01	2.682E+01	2.676E+01	2.598E+01	2.544E+01	9.488E-01

LISTAGEM DOS RESULTADOS DO CASO C

T(s)	P1(bar)	P2(bar)	P3(bar)	P4(bar)	P5(bar)	P6(bar)	ALFA
2.300E-01	2.532E+01	2.523E+01	2.516E+01	2.478E+01	2.361E+01	2.307E+01	9.532E-01
2.350E-01	2.391E+01	2.372E+01	2.359E+01	2.285E+01	2.151E+01	2.103E+01	9.572E-01
2.400E-01	2.244E+01	2.211E+01	2.193E+01	2.106E+01	1.982E+01	1.944E+01	9.613E-01
2.450E-01	2.078E+01	2.040E+01	2.025E+01	1.946E+01	1.848E+01	1.819E+01	9.653E-01
2.500E-01	1.897E+01	1.873E+01	1.860E+01	1.803E+01	1.731E+01	1.706E+01	9.691E-01
2.550E-01	1.720E+01	1.708E+01	1.701E+01	1.671E+01	1.618E+01	1.594E+01	9.726E-01
2.600E-01	1.561E+01	1.557E+01	1.555E+01	1.541E+01	1.497E+01	1.475E+01	9.757E-01
2.650E-01	1.426E+01	1.426E+01	1.425E+01	1.412E+01	1.366E+01	1.349E+01	9.783E-01
2.700E-01	1.313E+01	1.310E+01	1.307E+01	1.288E+01	1.234E+01	1.209E+01	9.805E-01
2.750E-01	1.213E+01	1.204E+01	1.199E+01	1.170E+01	1.112E+01	1.088E+01	9.825E-01
2.800E-01	1.116E+01	1.104E+01	1.097E+01	1.062E+01	1.006E+01	9.860E+00	9.843E-01
2.850E-01	1.018E+01	1.005E+01	9.986E+00	9.663E+00	9.176E+00	9.018E+00	9.860E-01
2.900E-01	9.197E+00	9.101E+00	9.049E+00	8.798E+00	8.416E+00	8.273E+00	9.875E-01
2.950E-01	8.270E+00	8.210E+00	8.176E+00	8.007E+00	7.703E+00	7.578E+00	9.889E-01
3.000E-01	7.439E+00	7.406E+00	7.386E+00	7.270E+00	7.011E+00	6.885E+00	9.902E-01
3.050E-01	6.719E+00	6.676E+00	6.680E+00	6.577E+00	6.325E+00	6.204E+00	9.913E-01
3.100E-01	6.096E+00	6.066E+00	6.047E+00	5.931E+00	5.676E+00	5.559E+00	9.922E-01
3.150E-01	5.537E+00	5.496E+00	5.472E+00	5.366E+00	5.105E+00	4.981E+00	9.933E-01
3.200E-01	5.014E+00	4.967E+00	4.941E+00	4.835E+00	4.572E+00	4.450E+00	9.938E-01
3.250E-01	4.516E+00	4.473E+00	4.449E+00	4.329E+00	4.060E+00	3.945E+00	9.945E-01
3.300E-01	4.045E+00	4.016E+00	3.997E+00	3.863E+00	3.585E+00	3.473E+00	9.951E-01
3.350E-01	3.624E+00	3.603E+00	3.587E+00	3.515E+00	3.377E+00	3.269E+00	9.956E-01
3.400E-01	3.246E+00	3.231E+00	3.221E+00	3.163E+00	3.043E+00	2.937E+00	9.961E-01

LISTAGEM DOS RESULTADOS DO CASO C

ITENS	P1(CAR)	P2(CAR)	P3(CAR)	P4(CAR)	P5(CAR)	P6(CAR)	ALFA
8.458E-01	2.701E+00	2.704E+00	2.671E+00	2.691E+00	2.770E+00	2.674E+00	9.916E-01
8.508E-01	2.688E+00	2.614E+00	2.604E+00	2.640E+00	2.707E+00	2.677E+00	9.911E-01
8.511E-01	2.688E+00	2.651E+00	2.641E+00	2.677E+00	2.711E+00	2.611E+00	9.972E-01
8.522E-01	2.688E+00	2.611E+00	2.622E+00	2.630E+00	2.707E+00	2.678E+00	9.973E-01
8.530E-01	2.688E+00	1.893E+00	1.885E+00	1.841E+00	1.876E+00	1.831E+00	9.973E-01
8.532E-01	2.688E+00	1.873E+00	1.884E+00	1.885E+00	1.887E+00	1.887E+00	9.980E-01
8.533E-01	2.688E+00	1.819E+00	1.814E+00	1.835E+00	1.827E+00	1.862E+00	9.983E-01
8.534E-01	2.688E+00	1.883E+00	1.882E+00	1.882E+00	1.881E+00	1.881E+00	9.984E-01
8.535E-01	2.688E+00	1.824E+00	1.823E+00	1.856E+00	1.850E+00	1.836E+00	9.986E-01
8.536E-01	2.688E+00	1.190E+00	1.276E+00	1.274E+00	1.232E+00	1.214E+00	9.987E-01
8.538E-01	2.688E+00	2.893E-01	2.852E-01	2.880E-01	2.865E-01	2.835E-01	9.989E-01

LISTAGEM DOS RESULTADOS DO CASO C (cont. inuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
0.0	3.200E+02	3.200E+02	3.200E+02	3.200E+02	3.200E+02	3.200E+02	0.000E+00
5.000E-03	3.200E+02	3.200E+02	3.200E+02	3.200E+02	3.200E+02	3.200E+02	0.000E+00
1.000E-02	3.195E+02	3.186E+02	3.182E+02	3.177E+02	3.177E+02	3.103E+02	1.473E+02
1.500E-02	3.172E+02	3.176E+02	3.177E+02	3.177E+02	3.132E+02	3.072E+02	1.391E+02
2.000E-02	3.165E+02	3.173E+02	3.175E+02	3.177E+02	3.084E+02	3.075E+02	1.397E+02
2.500E-02	3.160E+02	3.169E+02	3.172E+02	3.176E+02	3.075E+02	3.079E+02	1.406E+02
3.000E-02	3.156E+02	3.164E+02	3.169E+02	3.167E+02	3.075E+02	3.073E+02	1.395E+02
3.500E-02	3.153E+02	3.160E+02	3.163E+02	3.134E+02	3.076E+02	3.075E+02	1.397E+02
4.000E-02	3.152E+02	3.156E+02	3.157E+02	3.091E+02	3.074E+02	3.072E+02	1.390E+02
4.500E-02	3.152E+02	3.150E+02	3.144E+02	3.073E+02	3.072E+02	3.070E+02	1.385E+02
5.000E-02	3.152E+02	3.137E+02	3.110E+02	3.063E+02	3.065E+02	3.066E+02	1.376E+02
5.500E-02	3.149E+02	3.112E+02	3.085E+02	3.058E+02	3.057E+02	3.053E+02	1.353E+02
6.000E-02	3.140E+02	3.083E+02	3.065E+02	3.054E+02	3.049E+02	3.038E+02	1.319E+02
6.500E-02	3.119E+02	3.066E+02	3.059E+02	3.050E+02	3.035E+02	3.029E+02	1.294E+02
7.000E-02	3.087E+02	3.059E+02	3.056E+02	3.049E+02	3.027E+02	3.020E+02	1.265E+02
7.500E-02	3.050E+02	3.051E+02	3.051E+02	3.047E+02	3.019E+02	3.015E+02	1.253E+02
8.000E-02	3.012E+02	3.038E+02	3.043E+02	3.040E+02	3.017E+02	3.012E+02	1.245E+02
8.500E-02	2.984E+02	3.014E+02	3.023E+02	3.030E+02	3.014E+02	3.014E+02	1.248E+02
9.000E-02	2.968E+02	2.987E+02	2.996E+02	3.013E+02	3.012E+02	3.013E+02	1.248E+02
9.500E-02	2.960E+02	2.965E+02	2.968E+02	2.988E+02	3.007E+02	3.007E+02	1.239E+02
1.000E-01	2.954E+02	2.949E+02	2.948E+02	2.960E+02	2.992E+02	2.991E+02	1.211E+02
1.050E-01	2.945E+02	2.937E+02	2.935E+02	2.939E+02	2.964E+02	2.955E+02	1.149E+02
1.100E-01	2.933E+02	2.928E+02	2.927E+02	2.928E+02	2.921E+02	2.901E+02	1.060E+02

LISTAGEM DOS RESULTADOS DO CASO C (continuação)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
1.150E-01	2.920E+02	2.920E+02	2.921E+02	2.919E+02	2.873E+02	2.846E+02	9.927E+01
1.200E-01	2.907E+02	2.913E+02	2.914E+02	2.901E+02	2.830E+02	2.805E+02	9.446E+01
1.250E-01	2.897E+02	2.902E+02	2.901E+02	2.873E+02	2.801E+02	2.791E+02	9.116E+01
1.300E-01	2.889E+02	2.885E+02	2.880E+02	2.838E+02	2.788E+02	2.784E+02	8.956E+01
1.350E-01	2.880E+02	2.861E+02	2.850E+02	2.804E+02	2.777E+02	2.774E+02	8.813E+01
1.400E-01	2.861E+02	2.832E+02	2.819E+02	2.778E+02	2.764E+02	2.759E+02	8.622E+01
1.450E-01	2.829E+02	2.802E+02	2.791E+02	2.762E+02	2.748E+02	2.741E+02	8.370E+01
1.500E-01	2.786E+02	2.771E+02	2.765E+02	2.751E+02	2.732E+02	2.724E+02	8.111E+01
1.550E-01	2.738E+02	2.738E+02	2.738E+02	2.737E+02	2.718E+02	2.713E+02	7.915E+01
1.600E-01	2.694E+02	2.704E+02	2.707E+02	2.714E+02	2.706E+02	2.703E+02	7.765E+01
1.650E-01	2.660E+02	2.671E+02	2.675E+02	2.683E+02	2.687E+02	2.684E+02	7.544E+01
1.700E-01	2.636E+02	2.640E+02	2.642E+02	2.650E+02	2.655E+02	2.646E+02	7.132E+01
1.750E-01	2.615E+02	2.614E+02	2.614E+02	2.620E+02	2.609E+02	2.594E+02	6.581E+01
1.800E-01	2.595E+02	2.594E+02	2.593E+02	2.588E+02	2.557E+02	2.540E+02	5.996E+01
1.850E-01	2.575E+02	2.574E+02	2.572E+02	2.552E+02	2.508E+02	2.494E+02	5.485E+01
1.900E-01	2.554E+02	2.548E+02	2.543E+02	2.514E+02	2.471E+02	2.460E+02	5.104E+01
1.950E-01	2.529E+02	2.514E+02	2.507E+02	2.476E+02	2.444E+02	2.436E+02	4.850E+01
2.000E-01	2.493E+02	2.477E+02	2.470E+02	2.443E+02	2.420E+02	2.414E+02	4.649E+01
2.050E-01	2.447E+02	2.437E+02	2.432E+02	2.415E+02	2.396E+02	2.389E+02	4.450E+01
2.100E-01	2.397E+02	2.394E+02	2.393E+02	2.387E+02	2.372E+02	2.365E+02	4.255E+01
2.150E-01	2.350E+02	2.352E+02	2.353E+02	2.353E+02	2.344E+02	2.338E+02	4.051E+01
2.200E-01	2.310E+02	2.313E+02	2.314E+02	2.315E+02	2.307E+02	2.298E+02	3.790E+01
2.250E-01	2.276E+02	2.277E+02	2.277E+02	2.276E+02	2.260E+02	2.249E+02	3.466E+01

LISTAGEM DOS RESULTADOS DO CASO C (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
2.300E-01	2.246E+02	2.244E+02	2.243E+02	2.235E+02	2.209E+02	2.197E+02	3.143E+01
2.350E-01	2.216E+02	2.212E+02	2.209E+02	2.192E+02	2.161E+02	2.149E+02	2.861E+01
2.400E-01	2.183E+02	2.175E+02	2.171E+02	2.150E+02	2.119E+02	2.110E+02	2.629E+01
2.450E-01	2.143E+02	2.134E+02	2.130E+02	2.110E+02	2.084E+02	2.076E+02	2.445E+01
2.500E-01	2.097E+02	2.091E+02	2.087E+02	2.072E+02	2.052E+02	2.045E+02	2.286E+01
2.550E-01	2.049E+02	2.045E+02	2.043E+02	2.035E+02	2.019E+02	2.012E+02	2.136E+01
2.600E-01	2.002E+02	2.001E+02	2.000E+02	1.996E+02	1.982E+02	1.974E+02	1.979E+01
2.650E-01	1.959E+02	1.959E+02	1.959E+02	1.955E+02	1.939E+02	1.930E+02	1.808E+01
2.700E-01	1.921E+02	1.919E+02	1.919E+02	1.912E+02	1.892E+02	1.883E+02	1.631E+01
2.750E-01	1.884E+02	1.881E+02	1.879E+02	1.868E+02	1.846E+02	1.836E+02	1.469E+01
2.800E-01	1.847E+02	1.842E+02	1.839E+02	1.825E+02	1.802E+02	1.793E+02	1.327E+01
2.850E-01	1.806E+02	1.801E+02	1.798E+02	1.784E+02	1.762E+02	1.754E+02	1.208E+01
2.900E-01	1.763E+02	1.758E+02	1.756E+02	1.744E+02	1.725E+02	1.718E+02	1.105E+01
2.950E-01	1.718E+02	1.715E+02	1.713E+02	1.705E+02	1.689E+02	1.682E+02	1.011E+01
3.000E-01	1.674E+02	1.672E+02	1.671E+02	1.665E+02	1.650E+02	1.643E+02	9.194E+00
3.050E-01	1.633E+02	1.632E+02	1.631E+02	1.625E+02	1.609E+02	1.601E+02	8.289E+00
3.100E-01	1.595E+02	1.593E+02	1.591E+02	1.584E+02	1.567E+02	1.559E+02	7.442E+00
3.150E-01	1.557E+02	1.554E+02	1.553E+02	1.543E+02	1.525E+02	1.517E+02	6.673E+00
3.200E-01	1.519E+02	1.516E+02	1.514E+02	1.503E+02	1.485E+02	1.478E+02	5.995E+00
3.250E-01	1.480E+02	1.477E+02	1.475E+02	1.465E+02	1.448E+02	1.441E+02	5.406E+00
3.300E-01	1.441E+02	1.438E+02	1.436E+02	1.427E+02	1.412E+02	1.406E+02	4.884E+00
3.350E-01	1.401E+02	1.399E+02	1.397E+02	1.390E+02	1.376E+02	1.370E+02	4.403E+00
3.400E-01	1.363E+02	1.361E+02	1.360E+02	1.354E+02	1.340E+02	1.334E+02	3.954E+00

LISTAGEM DOS RESULTADOS DO CASO C (continuacao)

T(s)	T1(gr.C)	T2(gr.C)	T3(gr.C)	T4(gr.C)	T5(gr.C)	T6(gr.C)	M(Kg/s)
3.450E-01	1.326E+02	1.324E+02	1.323E+02	1.317E+02	1.303E+02	1.297E+02	3.544E+00
3.500E-01	1.291E+02	1.289E+02	1.288E+02	1.281E+02	1.266E+02	1.260E+02	3.170E+00
3.550E-01	1.257E+02	1.254E+02	1.253E+02	1.245E+02	1.230E+02	1.224E+02	2.836E+00
3.600E-01	1.222E+02	1.220E+02	1.218E+02	1.210E+02	1.196E+02	1.190E+02	2.542E+00
3.650E-01	1.188E+02	1.185E+02	1.184E+02	1.176E+02	1.163E+02	1.157E+02	2.283E+00
3.700E-01	1.153E+02	1.151E+02	1.150E+02	1.143E+02	1.131E+02	1.125E+02	2.051E+00
3.750E-01	1.119E+02	1.118E+02	1.117E+02	1.111E+02	1.099E+02	1.094E+02	1.839E+00
3.800E-01	1.087E+02	1.085E+02	1.084E+02	1.079E+02	1.067E+02	1.062E+02	1.644E+00
3.850E-01	1.055E+02	1.054E+02	1.053E+02	1.047E+02	1.036E+02	1.031E+02	1.466E+00
3.900E-01	1.025E+02	1.023E+02	1.022E+02	1.016E+02	1.005E+02	1.000E+02	1.307E+00
3.950E-01	9.950E+01	9.932E+01	9.922E+01	9.865E+01	9.839E+01	9.917E+01	9.828E-01