

UNIVERSIDADE TECNOLÓGICA FEDERAL DO PARANÁ
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DIRETORIA DE GRADUAÇÃO E EDUCAÇÃO PROFISSIONAL
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ENGENHARIA DE SOFTWARE

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**ANÁLISE COMPARATIVA ENTRE DIFERENTES MÉTODOS DE
COLISÃO 2D NA UNITY**

TRABALHO DE CONCLUSÃO DE CURSO

CORNÉLIO PROCÓPIO

2019

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Trabalho de Conclusão de Curso apresentada à disciplina de Trabalho de Conclusão de Curso da Universidade Tecnológica Federal do Paraná como requisito parcial para obtenção do grau de Bacharel em Engenharia de Software.

Orientador: Doutor Paulo Augusto Nardi

CORNÉLIO PROCÓPIO

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RESUMO

MORETTO, Rodrigo. Análise comparativa entre diferentes métodos de colisão 2D na Unity. f. Trabalho de Conclusão de Curso – Engenharia de Software, Universidade Tecnológica Federal do Paraná. Cornélio Procópio, 2019.

As colisões em jogos apresentam um fator importante durante seu desenvolvimento, pois elas irão influenciar no funcionamento da física e manipulação de eventos. Devido a isso, a escolha de qual o tipo de colisão deverá ser aplicada para determinado objeto ou evento deve ser bem organizada, com o intuito de causar o mínimo ou nenhuma falha durante a execução do jogo. Este trabalho apresentará as vantagens e desvantagens que cada colisão presente na plataforma de desenvolvimento de jogos (game engine) Unity oferece.

Palavras-chave: Jogos Digitais, Unity, Game Engine, Colisão, 2D, Desenvolvimento

ABSTRACT

MORETTO, Rodrigo. Comparative analysis between different 2D collision methods on Unity. f. Trabalho de Conclusão de Curso – Engenharia de Software, Universidade Tecnológica Federal do Paraná. Cornélio Procópio, 2019.

Collisions in games present an important factor during its development, because they will conduct the operation of physics and event manipulation. Due to that, the choice of which collision type must be applied to a specific object or event should be well organized, with the intention to cause the minimum or no fail during the game execution. This work will show the advantages and disadvantages that each collision available on the game development platform (game engine) Unity can offer.

Keywords: Digital Games, Unity, Game Engine, Collision, 2D, Development

LISTA DE FIGURAS

LISTA DE TABELAS

TABELA 1	– 1 Objeto Pre-Runtime Circle OnCollisionEnter2D	9
TABELA 2	– 1 Objeto Pre-Runtime Circle OnCollisionStay2D	10
TABELA 3	– 1 Objeto Pre-Runtime Circle OnTriggerEnter2D	12
TABELA 4	– 1 Objeto Pre-Runtime Circle OnTriggerExit2D	13
TABELA 5	– 1 Objeto Pre-Runtime Circle OnTriggerStay2D	14
TABELA 6	– 1 Objeto Pre-Runtime Circle Physics2DSimulate	15
TABELA 7	– 10 Objetos Pre-Runtime Circle OnCollisionEnter2D	23
TABELA 8	– 10 Objetos Pre-Runtime Circle OnCollisionExit2D	27
TABELA 9	– 10 Objetos Pre-Runtime Circle OnCollisionStay2D	29
TABELA 10	– 10 Objetos Pre-Runtime Circle OnTriggerEnter2D	36
TABELA 11	– 10 Objetos Pre-Runtime Circle OnTriggerExit2D	38
TABELA 12	– 10 Objetos Pre-Runtime Circle OnTriggerStay2D	41
TABELA 13	– 10 Objetos Pre-Runtime Circle Physics2DSimulate	47
TABELA 14	– 50 Objetos Pre-Runtime Circle OnCollisionEnter2D	56
TABELA 15	– 50 Objetos Pre-Runtime Circle OnCollisionEnter2D	63
TABELA 16	– 50 Objetos Pre-Runtime Circle OnCollisionExit2D	70
TABELA 17	– 50 Objetos Pre-Runtime Circle OnCollisionStay2D	77
TABELA 18	– 50 Objetos Pre-Runtime Circle OnTriggerEnter2D	86
TABELA 19	– 50 Objetos Pre-Runtime Circle OnTriggerExit2D	94
TABELA 20	– 50 Objetos Pre-Runtime Circle OnTriggerStay2D	101
TABELA 21	– 50 Objetos Pre-Runtime Circle Physics2DSimulate	109
TABELA 22	– 100 Objetos Pre-Runtime Circle OnCollisionEnter2D	118
TABELA 23	– 100 Objetos Pre-Runtime Circle OnCollisionExit2D	125
TABELA 24	– 100 Objetos Pre-Runtime Circle OnCollisionStay2D	133
TABELA 25	– 100 Objetos Pre-Runtime Circle OnCollisionStay2D	142
TABELA 26	– 100 Objetos Pre-Runtime Circle OnTriggerExit2D	150
TABELA 27	– 100 Objetos Pre-Runtime Circle OnTriggerStay2D	156
TABELA 28	– 100 Objetos Pre-Runtime Circle Physics2DSimulate	164
TABELA 29	– 500 Objetos Pre-Runtime Circle OnCollisionEnter2D	173
TABELA 30	– 500 Objetos Pre-Runtime Circle OnCollisionExit2D	180
TABELA 31	– 500 Objetos Pre-Runtime Circle OnCollisionStay2D	188
TABELA 32	– 500 Objetos Pre-Runtime Circle OnTriggerEnter2D	196
TABELA 33	– 500 Objetos Pre-Runtime Circle OnTriggerExit2D	205
TABELA 34	– 500 Objetos Pre-Runtime Circle OnTriggerStay2D	212
TABELA 35	– 500 Objetos Pre-Runtime Circle Physics2DSimulate	220
TABELA 36	– 1000 Objetos Pre-Runtime Circle OnCollisionEnter2D	229
TABELA 37	– 1000 Objetos Pre-Runtime Circle OnCollisionExit2D	236
TABELA 38	– 1000 Objetos Pre-Runtime Circle OnCollisionStay2D	244
TABELA 39	– 1000 Objetos Pre-Runtime Circle OnTriggerEnter2D	253
TABELA 40	– 1000 Objetos Pre-Runtime Circle OnTriggerExit2D	261
TABELA 41	– 1000 Objetos Pre-Runtime Circle OnTriggerStay2D	268
TABELA 42	– 1000 Objetos Pre-Runtime Circle Physics2DSimulate	277

SUMÁRIO

REFERÊNCIAS	
Apêndice A – TABELAS DE RESULTADOS - <i>CIRCLE COLLIDER</i>	9
A.1 <i>PRE-RUNTIME</i>	9
A.1.1 Um Objeto	9
A.1.2 Dez Objetos	23
A.1.3 Cinquenta Objetos	56
A.1.4 Cem Objetos	118
A.1.5 Quinhentos Objetos	172
A.1.6 Mil Objetos	229
A.2 <i>RUNTIME</i>	286
A.2.1 Um Objeto por segundo	286
A.2.2 Dez Objetos por segundo	286
A.2.3 Cinquenta Objetos por segundo	286
A.2.4 Cem Objetos por segundo	286
A.2.5 Quinhentos Objetos por segundo	286
A.2.6 Mil Objetos por segundo	286
Apêndice B – TABELAS DE RESULTADOS - <i>EDGE COLLIDER</i>	287
B.1 <i>PRE-RUNTIME</i>	287
B.1.1 Um Objeto	287
B.1.2 Dez Objetos	287
B.1.3 Cinquenta Objetos	287
B.1.4 Cem Objetos	287
B.1.5 Quinhentos Objetos	287
B.1.6 Mil Objetos	287
B.2 <i>RUNTIME</i>	287
B.2.1 Um Objeto por segundo	287
B.2.2 Dez Objetos por segundo	287
B.2.3 Cinquenta Objetos por segundo	287
B.2.4 Cem Objetos por segundo	287
B.2.5 Quinhentos Objetos por segundo	287
B.2.6 Mil Objetos por segundo	287
Apêndice C – TABELAS DE RESULTADOS - <i>POLYGON COLLIDER</i>	
C.1 <i>PRE-RUNTIME</i>	
C.1.1 Um Objeto	
C.1.2 Dez Objetos	
C.1.3 Cinquenta Objetos	
C.1.4 Cem Objetos	
C.1.5 Quinhentos Objetos	
C.1.6 Mil Objetos	
C.2 <i>RUNTIME</i>	
C.2.1 Um Objeto por segundo	

C.2.2 Dez Objetos por segundo
C.2.3 Cinquenta Objetos por segundo
C.2.4 Cem Objetos por segundo
C.2.5 Quinhentos Objetos por segundo
C.2.6 Mil Objetos por segundo

REFERÊNCIAS

APÊNDICE A – TABELAS DE RESULTADOS - *CIRCLE COLLIDER*

A.1 *PRE-RUNTIME*

A.1.1 UM OBJETO

Tabela 1: 1 Objeto Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.5%	1	0.09	0

70				
250				

Tabela 2: 1 Objeto Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
70	0.5%	1	0.09	0
	0.0%	1	0.00	0
	0.1%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0

	0.0%	1	0.00	0
	0.0%	1	0.00	0
80	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
90	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
100				
250				

Tabela 3: 1 Objeto Pre-Runtime Circle OnTriggerEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
40				
	1.6%	1	0.28	32
50				
250				

Tabela 4: 1 Objeto Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.6%	1	0.10	0
70				
250				

Tabela 5: 1 Objeto Pre-Runtime Circle OnTriggerStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
40				
	0.6%	1	0.10	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
50	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
		1	0.00	0
	0.0%			
		2	0.00	0
	0.0%			
	0.0%	1	0.00	0
	0.0%	1	0.00	0
60	0.0%	1	0.00	0

	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	1	0.00	0
		1	0.00	0
70				
250				

Tabela 6: 1 Objeto Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	1.0%	6	0.32	0
	1.0%	2	0.13	0
	1.0%	1	0.08	0
	0.8%	1	0.07	0
	0.5%	1	0.07	0
	0.4%	1	0.08	0
	0.5%	1	0.08	0
	0.4%	1	0.08	0
10	0.5%	1	0.09	0

	0.5%	1	0.08	0
	0.5%	1	0.08	0
	0.4%	1	0.09	0
	0.5%	1	0.07	0
	0.5%	1	0.07	0
	0.4%	1	0.08	0
	0.4%	1	0.07	0
	0.5%	1	0.08	0
	0.4%	1	0.08	0
20	0.4%			
		1	0.08	0
	0.4%	1	0.08	0
	0.5%	1	0.07	0
	0.4%	1	0.07	0
	0.4%	1	0.07	0
	0.5%	1	0.09	0
	0.5%	1	0.08	0
	0.5%	1	0.08	0
	0.4%	1	0.07	0
30	0.4%	1	0.07	0
	0.5%	1	0.08	0
	0.3%	1	0.08	0
	0.3%	1	0.07	0
	2.8%	2	0.15	0
	0.5%	1	0.08	0
	0.5%	1	0.08	0
	0.4%	1	0.08	0
	0.4%	1	0.07	0
	0.5%	1	0.08	0
40	0.4%	1	0.08	0
	0.5%	1	0.08	0
	0.5%	1	0.09	0
	0.5%	1	0.08	0
	2.5%	1	0.42	72

	1.2%	1	0.20	0
	0.6%	1	0.10	0
	0.5%	1	0.10	0
	0.5%	1	0.09	0
	0.5%	1	0.09	0
50	0.6%	1	0.09	0
	0.5%	1	0.09	0
	0.5%	1	0.09	0
	0.5%	1	0.09	0
	0.5%	1	0.09	0
	0.6%	1	0.10	0
	0.5%	1	0.09	0
	0.9%	2	0.16	0
	0.5%	1	0.09	0
60	0.6%	1	0.09	0
	0.5%	1	0.09	0
	0.3%	1	0.09	0
	0.5%	1	0.13	0
	2.3%	2	0.12	0
	0.7%	1	0.11	0
	0.5%	1	0.09	0
	1.2%	1	0.20	0
	0.5%	1	0.09	0
	0.5%	1	0.08	0
70	0.5%	1	0.09	0
	1.4%	1	0.23	3600
	1.2%	1	0.22	3600
	0.8%	1	0.13	3600
	0.9%	1	0.16	3600
	0.8%	1	0.12	3600
	0.8%	1	0.13	3600
	0.7%	1	0.12	3600
	0.6%	1	0.10	3600

	0.6%	1	0.11	3600
80	0.6%	1	0.11	3600
	0.7%	1	0.12	3600
	0.6%	1	0.11	3600
	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
	0.6%	1	0.11	3600
	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
90	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
	0.4%	1	0.12	3600
	0.8%	1	0.20	3600
	2.3%	1	0.12	3600
	0.8%	1	0.12	3600
	0.7%	1	0.12	3600
	0.7%	1	0.12	3600
	0.8%	1	0.12	3600
	0.7%	1	0.13	3600
100	0.1%	1	0.02	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
110	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0

	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
120	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.5%	1	0.02	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
130	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
140	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0

	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
150	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.1%	1	0.01	0
	0.3%	1	0.02	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
160	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
170	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
180	0.0%	1	0.00	0

	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.1%	1	0.03	0
	0.3%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
190	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.1%	1	0.02	0
	0.0%	1	0.01	0
200	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
210	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.7%	1	0.03	0

	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
220	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
230	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
240	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.1%	1	0.02	0
	0.3%	1	0.02	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0

	0.0%	1	0.01	0
250	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.1%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0
	0.0%	1	0.01	0

A.1.2 DEZ OBJETOS

Tabela 7: 10 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	1.4%	1	0.08	0
	0.0%	2	0.00	0
	0.0%			
		2	0.00	0

	0.0%	1	0.00	0
	0.0%	1		
			0.00	0
70	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
80	0.0%	2	0.00	0
	0.0%	2	0.00	0
90				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
100				

	0.0%	2	0.00	0
110	0.0%			
		2	0.00	0
	0.0%			
120				
		2	0.00	0
	0.0%	2		
130				
170			0.00	0
	0.0%	2		0

			0.00	
	0.0%	1	0.00	0
	0.0%	1	0.00	0
180				
	0.0%	1	0.00	0
	0.0%	1	0.00	0
190				
	0.0%	1	0.00	0
200				
	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.1%	2	0.00	0
210				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
220				
290				

Tabela 8: 10 Objetos Pre-Runtime Circle OnCollisionExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				

80				
	0.5%	2	0.08	0
	0.0%	4	0.00	0
	0.0%			
90				
100		2	0.00	0
	0.0%			
110				
290				

Tabela 9: 10 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.5%	1	0.09	0
	0.0%	1	0.00	0
	0.0%	3	0.00	0
	0.0%	1	0.00	0
	0.0%	3	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.1%	8	0.00	0
70	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.2%	12	0.01	0

80	0.0%	14	0.00	0
	0.0%	14	0.00	0
	0.0%	14	0.00	0
	0.0%	14	0.01	0
	0.0%	12	0.01	0
	0.0%	20	0.04	0
	0.6%	6	0.00	0
	0.0%	8	0.01	0
	0.1%	12	0.00	0
	0.0%	8	0.00	0
90	0.1%	8	0.01	0
	0.0%	8	0.00	0
	0.1%	8	0.02	0
				0
	0.0%	8	0.00	0
	0.0%	8	0.00	
	0.0%	8	0.00	0
	0.2%	16	0.01	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
100	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.2%	16	0.01	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
110	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0

	0.0%	6	0.01	0
	0.5%	18	0.02	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
120	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.1%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
130	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.01	0
	0.3%	16	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
140	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	24	0.01	0
	0.3%	8	0.01	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0

	0.0%	8	0.01	0
	0.0%	8	0.00	0
150	0.0%	8	0.00	0
	0.1%	16	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
160	0.2%	16	0.01	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
170	0.1%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	7	0.00	0
	0.1%	8	0.00	0
180	0.0%	7	0.01	0
	0.0%	7	0.00	0

	0.0%	8	0.00	0
	0.0%	7	0.00	0
	0.0%	7	0.00	0
	0.0%	7	0.00	0
	0.0%	7	0.00	0
	0.0%	7	0.00	0
	0.2%	10	0.01	0
	0.0%	5	0.00	0
190	0.0%	5	0.00	0
	0.0%	5	0.00	0
	0.0%	5	0.00	0
	0.0%	3	0.00	0
	0.0%	5	0.00	0
	0.0%	5	0.02	0
	0.0%	3	0.00	0
	0.0%	3	0.00	0
	0.1%	6	0.00	0
	0.0%	3	0.00	0
200	0.0%	3	0.00	0
	0.0%	3	0.00	0
	0.0%	3	0.00	0
	0.0%	3	0.00	0
	0.3%	3	0.02	0
	0.0%	4	0.00	0
	0.2%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
210	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0

	0.2%	6	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
220	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
230	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.5%	6	0.03	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
240	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	4	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

250	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
260	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	6	0.02	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	2	0.00	0
270	0.0%	4	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	2	0.00	0
	0.0%	4	0.01	0
280	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
290	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

Tabela 10: 10 Objetos Pre-Runtime Circle OnTriggerEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
30				
	3.0%	1	0.45	32

40				
	0.0%	1	0.00	0
50				
	0.0%	1	0.00	0
60	0.0%	1	0.00	0
	0.0%	1	0.01	0
70				

90	0.0%	1	0.00	0
120				
	0.0%	1	0.00	0
130				
290				

Tabela 11: 10 Objetos Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				

50				
	0.5%	1	0.09	0
60				
	0.0%	1	0.00	0
	0.0%			
		1	0.01	0
	0.1%			
70				
110				
		1	0.01	0
	0.0%	1		
120				

			0.00	0
	0.0%	1		0
130				
180				
			0.00	
190	0.0%	1	0.00	0
210				
	0.0%	1	0.01	0
220				

290				

Tabela 12: 10 Objetos Pre-Runtime Circle OnTriggerStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
30				
	0.6%	1	0.10	0
	0.0%	1	0.00	0
40	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0

	0.0%	1	0.00	0
	0.1%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
50	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.2%	4	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	3	0.02	0
	0.0%	2	0.00	0
60	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	6	0.01	0
	0.1%	3	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	3	0.00	0
	0.0%	3	0.00	0
	0.0%	2	0.00	0
70	0.0%	2	0.00	0
	0.1%	4	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0

	0.0%	2	0.01	0
	0.0%	2	0.00	0
80	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.4%	4	0.03	0
	0.0%	2	0.00	0
	0.2%	4	0.01	0
	0.0%	2	0.00	0
90	0.1%	2	0.02	0
	0.0%	2	0.00	0
	0.0%	3	0.01	0
	0.0%	3	0.00	0
	0.0%	3	0.01	0
	0.0%	3	0.01	0
	0.2%	6	0.01	0
	0.0%	3	0.01	0
	0.0%	3	0.01	0
100	0.1%	3	0.01	0
	0.0%	3	0.01	0
	0.1%	3	0.01	0
	0.0%	3	0.00	0
	0.0%	3	0.01	0
	0.0%	3	0.01	0
	0.3%	6	0.01	0
	0.1%	3	0.01	0
	0.1%	3	0.01	0
	0.1%	3	0.01	0
110	0.1%	3	0.01	0
	0.0%	3	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.3%	6	0.01	0
	0.0%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
120	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.01	0
130	0.0%	2	0.01	0
	0.5%	4	0.02	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.01	0
140	0.0%	6	0.01	0
	0.1%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	2	0.04	0

	0.0%	2	0.00	0
	0.1%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
150	0.0%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	4	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
160	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.3%	4	0.02	0
170	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.01	0
	0.1%	2	0.00	0
	0.0%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.01	0

180	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.2%	4	0.01	0
	0.0%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
	0.0%	2	0.00	0
	0.1%	2	0.01	0
	0.1%	2	0.01	0
190	0.0%	1	0.01	0
	0.2%	2	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.01	0
	0.5%	1	0.04	0
	0.0%	1	0.01	0
	0.0%	2	0.00	0
200	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.1%	1	0.01	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.5%	2	0.02	0
	0.1%	1	0.01	0
210	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.1%	1	0.01	0
	0.0%	1	0.01	0

	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.0%	1	0.00	0
	0.1%	1	0.00	0
220				
290				

Tabela 13: 10 Objetos Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.6%	1	0.38	0
	0.9%	6	0.31	0
	0.6%	1	0.10	0
	0.5%	3	0.10	0
	0.5%	1	0.09	0
	0.5%	1	0.09	0
	0.2%	1	0.09	0
	3.5%	1	0.09	0
10	0.5%	1	0.09	0
	0.5%	1	0.08	0
	0.6%	1	0.19	0
	0.5%	1	0.09	0
	0.6%	2	0.09	0
	0.5%	1	0.10	0
	0.6%	1	0.10	0
	0.2%	1	0.10	0

	0.2%	1	0.09	0
	0.2%	1	0.10	0
20	5.9%	1	0.09	0
	0.6%	1	0.31	0
	0.6%	1	0.10	0
	0.6%	2	0.10	0
	0.5%	2	0.10	0
	0.6%	2	0.09	0
	0.5%	1	0.09	0
	0.6%	1	0.10	0
	0.5%	1	0.10	0
	0.5%	1	0.09	0
30	0.1%	1	0.21	0
	1.0%	1	0.10	0
	1.6%	1	0.21	0
	0.5%	1	0.21	0
	0.5%	1	0.11	0
	0.5%	2	0.09	0
	0.6%	1	0.09	0
	0.5%	1	0.10	72
	0.5%	1	0.10	0
	0.2%	1	0.63	0
40	2.5%	1	0.09	0
	4.2%	1	0.09	0
	1.3%	1	0.22	0
	0.8%	2	0.63	0
	0.7%	1	0.21	0
	0.6%	1	0.14	0
	0.5%	1	0.12	0
	0.2%	1	0.11	0
	0.8%	1	0.11	0
	4.6%	1	0.10	0
50	0.7%	1	0.24	0
	0.8%	2	0.12	0

	0.6%	1	0.13	0
	0.8%	1	0.11	10700
	0.7%	1	0.12	0
	1.1%	1	0.12	10700
	0.7%	1	0.11	0
	1.1%	1	0.12	0
	0.8%	1	0.12	0
	0.3%	1	0.28	0
60	5.1%	1	0.19	0
	0.8%	1	0.13	0
	0.3%	1	0.19	0
	0.9%	2	0.12	10700
	1.1%	1	0.15	3600
	1.4%	1	0.19	3600
	0.7%	1	0.23	10700
	0.3%	1	0.12	10700
	9.7%	1	0.59	10700
	1.5%	1	0.19	10700
70	1.1%	1	0.24	14200
	1.1%	2	0.17	14200
	1.1%	1	0.19	21300
	0.6%	1	0.28	49800
	1.1%	1	0.19	42700
	1.2%	1	0.19	21300
	0.4%	1	0.19	21300
	7.2%	1	0.19	35500
	1.1%	1	0.39	49800
	0.6%	1	0.31	42700
80	1.3%	2	0.20	42700
	1.2%	1	0.20	49800
	1.2%	1	0.21	49800
	1.4%	1	0.21	56900
	1.3%	1	0.23	49800
	1.3%	1	0.31	49800

	0.6%	1	0.22	49800
	4.6%	1	0.23	49800
	1.4%	1	0.25	78200
	1.3%	1	0.28	35500
90	1.6%	1	0.22	35500
	1.2%	1	0.22	49800
	0.9%	1	0.31	28400
	1.3%	1	0.22	35500
	13.9%	1	0.34	28400
	1.2%	1	0.89	28400
	0.5%	2	0.22	28400
	8.6%	2	0.21	
	3.2%	1	0.53	28400
	1.2%	2	0.23	28400
100	1.7%	2	0.52	28400
		1	0.21	64000
	1.5%	1	0.32	35500
	1.2%	1		35500
	0.5%		0.25	35500
	10.3%	1	0.20	35500
	1.3%	1	0.20	35500
	1.2%	1	0.54	35500
	1.3%	2	0.21	21300
	1.2%	1	0.21	35500
110	1.3%	1	0.21	21300
	1.2%	1	0.21	28400
	1.2%	1	0.20	56900
	1.2%	1	0.21	21300
	0.5%	1	0.61	28400
	8.2%	1	0.22	28400
	1.2%	1	0.61	21300
	1.2%	1	0.46	21300
	1.2%	2	0.20	21300
	1.3%	1	0.19	64000

120	1.1%	1	0.22	28400
	0.7%	1	0.20	28400
	0.4%	1	0.20	28400
	11.6%	1	0.20	28400
	1.2%	1	0.23	28400
	1.2%	1	0.61	28400
	1.2%	3	0.21	28400
	1.2%	1	0.20	28400
	1.3%	1	0.22	28400
	1.1%	1	0.19	28400
130	1.3%	1	0.21	28400
	1.2%	1	0.20	28400
	5.4%	1	0.20	28400
	1.1%	1	0.20	28400
	1.5%	1	0.20	28400
	1.2%	1	0.35	28400
	1.2%	1	0.23	28400
	1.4%	1	0.20	56900
	1.3%	1	0.21	28400
	2.2%	1	0.24	28400
140	0.5%	1	0.20	28400
	9.4%	1	0.20	28400
	1.2%	1	0.22	28400
	2.2%	2	0.20	28400
	1.3%	1	0.20	28400
	1.2%	1	0.20	28400
	1.3%	1	0.21	28400
	1.2%	1	0.21	85300
	1.2%	1	0.20	28400
	1.2%	1	0.20	28400
150	0.3%	1	0.20	28400
	2.2%	1	0.20	28400
	5.0%	1	0.20	28400
	1.1%	1	0.49	28400

	1.2%	3	0.25	56900
	0.5%	1	0.19	28400
	1.2%	1	0.20	28400
	1.3%	1	0.20	28400
	0.4%	1	0.28	28400
	5.0%	1	0.18	28400
160	1.3%	1	0.30	28400
	0.5%	1	0.24	28400
	1.1%	2	0.21	28400
	1.2%	1	0.19	28400
	1.1%	1	0.20	56900
	1.2%	1	0.20	28400
	1.2%	1	0.20	28400
	0.5%	1	0.24	28400
	9.6%	1	0.20	28400
	1.2%	1	0.21	28400
170	1.4%	1	0.51	28400
	1.3%	2	0.20	28400
	1.5%	1	0.22	21300
	1.1%	1	0.24	21300
	1.5%	1	0.20	21300
	1.2%	1	0.20	21300
	0.4%	1	0.20	21300
	1.4%	1	0.20	28400
	5.5%	1	0.19	21300
	1.2%	1	0.33	28400
180	0.6%	1	0.20	28400
	1.6%	1	0.20	28400
	5.5%	1	0.33	28400
	1.4%	1	0.20	28400
	1.1%	1	0.36	17800
	1.1%	2	0.21	28400
	0.5%	1	0.20	28400
	5.5%	1	0.20	28400

	1.2%	1	0.35	28400
	1.3%	1	0.20	28400
190	1.4%	1	0.21	28400
	1.2%	1	0.19	46200
	1.2%	1	0.24	21300
	1.2%	1	0.21	17800
	1.6%	1	0.20	17800
	1.1%	1	0.21	17800
	0.5%	1	0.27	17800
	9.6%	1	0.19	17800
	1.2%	1	0.52	17800
	1.1%	2	0.20	14200
200	1.1%	1	0.19	17800
	1.2%	1	0.19	10700
	1.1%	1	0.20	21300
	1.1%	1	0.19	10700
	1.1%	1	0.19	10700
	0.4%	1	0.19	10700
	1.1%	1	0.17	10700
	1.1%	1	0.18	10700
	1.1%	1	0.64	14200
	0.5%	2	0.19	14200
210	1.1%	1	0.18	28400
	1.1%	1	0.19	14200
	9.9%	1	0.24	14200
	0.4%	1	0.73	14200
	4.5%	1	0.19	7100
	0.9%	1	0.34	14200
	1.1%	1	0.17	14200
	1.1%	2	0.18	14200
	1.1%	1	0.17	14200
	1.1%	1	0.18	14200
220	0.9%	1	0.19	14200
	1.3%	1	0.18	14200

	1.2%	1	0.17	14200
	0.4%	1	0.20	14200
	17.5%	1	0.21	14200
	1.2%	1	0.18	7100
	1.1%	1	1.01	14200
	1.1%	2	0.20	14200
	1.2%	1	0.19	7100
	0.9%	1	0.19	7100
230	1.0%	1	0.20	7100
	1.1%	1	0.18	7100
	0.9%	1	0.18	7100
	0.4%	1	0.17	7100
	6.1%	1	0.33	7100
	1.0%	1	0.18	7100
	1.1%	1	0.33	7100
	1.1%	1	0.18	7100
	1.0%	1	0.18	21300
	0.6%	1	0.18	7100
240	0.6%	1	0.18	7100
	11.3%	1	0.18	7100
	1.2%	1	0.18	7100
	1.2%	1	0.64	7100
	1.0%	3	0.19	7100
	1.0%	1	0.20	7100
	1.1%	1	0.18	7100
	1.0%	1	0.17	7100
	1.1%	1	0.19	14200
	1.1%	1	0.19	7100
250	1.0%	1	0.19	7100
	0.4%	1	0.17	7100
	6.2%	1	0.33	7100
	1.0%	1	0.33	7100
	1.0%	2	0.17	7100
	1.0%	1	0.17	7100

	1.0%	1	0.17	7100
	0.9%	1	0.17	7100
	1.1%	1	0.17	7100
	0.9%	1	0.17	7100
260	0.4%	1	0.16	7100
	2.9%	1	0.17	7100
	1.1%	1	0.19	7100
	1.0%	1	0.18	7100
	1.0%	1	0.17	7100
	1.1%	1	0.19	21300
	1.3%	1	0.21	7100
	1.1%	1	0.18	7100
	0.6%	1	0.18	7100
	0.3%	1	0.15	7100
270	6.3%	1	0.65	7100
	1.4%	3	0.20	7100
	1.2%	1	0.18	7100
	1.1%	1	0.18	14200
	0.9%	1	0.16	7100
	1.2%	1	0.20	7100
	1.0%	1	0.17	7100
	0.4%	1	0.16	7100
	10.6%	1	0.55	7100
	1.0%	2	0.17	7100
280	1.1%	1	0.18	7100
	1.1%	1	0.18	7100
	1.1%	1	0.18	14200
	1.1%	1	0.19	7100
	1.1%	1	0.17	7100
	1.0%	1	0.17	7100
	0.4%	1	0.18	7100
	8.9%	1	0.45	7100
	1.0%	2	0.17	7100
	1.1%	1	0.17	7100

290	1.0%	1	0.18	7100
	1.1%	1	0.18	14200
	1.0%	1	0.17	7100
	1.0%	1	0.18	7100

A.1.3 CINQUENTA OBJETOS

Tabela 14: 50 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
70				
	0.5%	2	0.09	0
	0.0%	2	0.00	0
80	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
90				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
100	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
110	0.0%	6	0.00	0
	0.0%	8	0.01	0
	0.1%	10	0.01	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0

	0.0%	10	0.00	0
120	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
130	0.0%	12	0.01	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.01	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
140	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.01	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
150	0.0%	14	0.01	0

	0.1%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
160	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
170				
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	12	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
180				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
190	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
200	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
210	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0

	0.0%	2	0.00	0
220	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
230				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
240	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
250				
	0.0%	4	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
260				
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
270				
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
280				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
290	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

Tabela 15: 50 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
70				
	0.5%	2	0.09	0

	0.0%	2	0.00	0
80	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
90				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
100	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0

110	0.0%	6	0.00	0
	0.0%	8	0.01	0
	0.1%	10	0.01	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
120	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
130	0.0%	12	0.01	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.01	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
140	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.01	0
	0.0%	8	0.00	0

	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
150	0.0%	14	0.01	0
	0.1%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
160	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
170				
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	12	0.00	0

	0.0%	2	0.00	0
	0.0%	4	0.00	0
180				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
190	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
200	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
210	0.0%	2	0.00	0

	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
220	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
230				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
240	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
250				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
260				
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
270				
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0

280				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
290	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

Tabela 16: 50 Objetos Pre-Runtime Circle OnCollisionExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				

70				
	0.5%	2	0.09	0
	0.0%	2	0.00	0
	0.0%			
80		2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		
			0.00	0
	0.0%	2		0
90				
			0.00	
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
100	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0

	0.0%	4	0.00	0
	0.0%	8	0.01	0
	0.0%	2	0.00	0
110	0.0%	2	0.01	0
	0.0%	6	0.00	0
	0.0%	8	0.01	0
	0.0%	8	0.01	0
	0.1%	10	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
120				
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
130	0.0%	4	0.00	0
	0.0%	6	0.01	0
	0.0%	10	0.00	0
	0.0%	12	0.01	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.01	0

	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
140	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.01	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
150	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.01	0
	0.1%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
160	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
170	0.0%	2	0.00	0

	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
180	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	12	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
190	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4		0
200			0.00	
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
210	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%			
220		4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
230				
	0.0%	2	0.01	0
	0.0%	2	0.00	0

240	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		
			0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
250	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
260	0.0%	4	0.00	0
	0.0%			
		2	0.00	0
	0.0%			
		2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		0
			0.00	
	0.0%	2	0.00	0
270				
	0.0%	2	0.00	0

	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
280				
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2		
290				
			0.00	0
	0.0%	2		0
			0.00	
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		0

Tabela 17: 50 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.2%	12	0.02	0
	0.0%	6	0.01	0

	0.2%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
10	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
20	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
30	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
	0.1%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
40	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
50	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
60	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
70	0.0%	2	0.00	0
	0.0%	4	0.00	0

	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.01	0
	0.0%	10	0.00	0
80	0.0%	12	0.01	0
	0.0%	10	0.01	0
	0.0%	12	0.00	0
	0.0%	14	0.01	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.0%	14	0.01	0
	0.0%	16	0.01	0
	0.0%	20	0.01	0
	0.0%	22	0.01	0
90	0.0%	26	0.02	0
	0.1%	30	0.01	0
	0.1%	34	0.02	0
	0.2%	38	0.09	0
	0.1%	34	0.09	0
	0.2%	38	0.03	0
	0.0%	66	0.02	0
	0.4%	34	0.03	0
	1.3%	34	0.03	0
	0.1%			
100	0.2%	36	0.03	0
		38	0.03	0
	0.1%	40	0.02	0
	0.2%	42	0.03	0
	0.1%	44	0.03	0
	0.2%	42	0.03	0

	0.1%	44	0.03	0
	0.2%	50	0.03	0
	0.2%	48	0.02	0
	0.1%	54	0.03	0
110	0.2%	70	0.03	0
	0.1%	58	0.03	0
	0.1%	66	0.03	0
	0.1%	60	0.02	0
	0.2%	70	0.03	0
	0.2%	68	0.04	0
	0.2%	72	0.03	0
	0.2%	70	0.03	0
	0.2%	64	0.04	0
	0.2%	62	0.03	0
120	0.2%	62	0.03	0
	0.2%	58	0.03	0
	0.2%	58	0.03	0
	0.2%	60	0.04	0
	0.2%	74	0.04	0
	0.2%	64	0.06	0
	0.2%	76	0.05	0
	0.1%	170	0.09	0
	0.2%	90	0.06	0
	1.0%	90	0.05	0
130	0.2%	78	0.04	0
	0.4%	74	0.03	0
	0.3%	76	0.03	0
	0.2%	74	0.05	0
	0.2%	86	0.05	0
	0.2%	92	0.05	0
	0.2%	94	0.06	0
	0.3%	86	0.05	0
	0.3%	78	0.04	0
	0.3%	76	0.04	0

140	0.3%	74	0.05	0
	0.2%	70	0.02	0
	0.2%	66	0.05	0
	0.3%	64	0.03	0
	0.1%	64	0.04	0
	0.1%	70	0.03	0
	0.2%	70	0.04	0
	0.2%	72	0.05	0
	0.3%	74	0.06	0
	0.3%	74	0.04	0
150	0.2%	74	0.05	0
	0.3%	72	0.05	0
	0.2%	70	0.04	0
	0.3%			
	0.2%	142	0.07	0
				0
	0.4%	72	0.05	
		124	0.04	0
	0.1%	56	0.09	0
	0.5%	56	0.05	0
160	1.3%	60	0.03	0
	0.2%	58	0.05	0
	0.2%	56	0.09	0
	0.2%	56	0.02	0
	0.6%	62	0.03	0
	0.2%	58	0.05	0
	0.3%	58	0.03	0
	0.1%	60	0.04	0
	0.2%	54	0.03	0
	0.2%	52	0.03	0
170	0.1%	54	0.02	0
	0.2%	56	0.03	0
	0.1%			0
	0.2%	52	0.03	0

		56	0.04	0
	0.2%	110	0.08	0
	0.2%			0
	0.5%	52	0.02	
		54	0.02	0
	0.1%	52	0.03	0
180	0.1%	50	0.02	0
	0.2%	48	0.02	
	0.1%	50	0.04	0
	0.1%	38	0.02	0
	0.2%	40	0.03	0
	0.1%	40	0.02	0
	0.2%	42	0.03	0
	0.1%	44	0.09	0
	0.1%	98	0.05	0
	0.3%	48	0.02	0
190	0.5%	48	0.03	0
	0.2%	48	0.03	0
	0.2%	52	0.02	0
	0.2%	54	0.03	0
	0.1%	58	0.03	0
	0.1%	56	0.03	0
	0.1%	54	0.03	0
	0.2%	54	0.03	0
	0.2%	52	0.03	0
	0.2%	58	0.03	0
200	0.2%	62	0.04	0
	0.2%	66	0.03	0
	0.2%	68	0.04	0
	0.2%	66	0.03	0
	0.2%	66	0.04	0
	0.2%	68	0.07	0
	0.2%	68	0.04	0
	0.5%	68	0.03	0

	0.2%	66	0.05	0
	0.2%	64	0.03	0
210	0.3%	66	0.04	0
	0.2%	66	0.03	0
	0.2%	66	0.04	0
	0.2%	64	0.06	0
	0.2%	64	0.03	0
	0.3%	66	0.04	0
	0.2%	66	0.03	0
	0.3%	68	0.04	0
	0.1%	68	0.04	0
	0.2%	68	0.04	0
220	0.5%	66	0.04	0
	0.2%	60	0.04	0
	0.3%	58	0.04	0
	0.2%	56	0.03	0
	0.2%	54	0.05	0
	0.1%	52	0.03	0
	0.2%	46	0.04	0
	0.2%	44	0.03	0
	0.3%	44	0.04	0
	0.1%	44	0.03	0
230	0.2%	42	0.02	0
	0.2%	42	0.02	0
	0.1%	42	0.04	0
	0.1%	44	0.03	0
	0.2%	44	0.03	0
	0.1%	50	0.03	0
	0.2%	52	0.04	0
	0.2%	54	0.03	0
	0.2%	58	0.03	0
	0.2%	56	0.03	0
240	0.2%	54	0.03	0
	0.2%	54	0.04	0

	0.2%	54	0.04	0
	0.2%	54	0.03	0
	0.3%	54	0.04	0
	0.1%	52	0.03	0
	0.2%	52	0.02	0
	0.2%	52	0.09	0
	0.1%	50	0.03	0
	0.3%	52	0.03	0
250	0.5%	52	0.03	0
	0.2%	52	0.03	0
	0.1%	52	0.04	0
	0.2%	50	0.03	0
	0.2%	50	0.05	0
	0.1%	48	0.03	0
	0.3%	48	0.03	0
	0.1%	46	0.05	0
	0.2%	46	0.04	0
	0.2%	50	0.04	0
260	0.2%	50	0.05	0
	0.2%	50	0.04	0
	0.3%	48	0.03	0
	0.2%	48	0.03	0
	0.2%	48	0.03	0
	0.1%	50	0.03	0
	0.2%	50	0.04	0
	0.2%	50	0.04	0
	0.3%	52	0.03	0
	0.2%	50	0.03	0
270	0.2%	50	0.03	0
	0.2%	52	0.03	0
	0.2%	50	0.03	0
	0.1%	44	0.03	0
	0.2%	44	0.04	0
	0.2%	40	0.03	0

	0.2%	42	0.02	0
	0.2%	42	0.10	0
	0.0%	44	0.02	0
	0.5%	44	0.03	0
280	0.4%	44	0.04	0
	0.2%	46	0.03	0
	0.2%	42	0.03	0
	0.2%	40	0.02	0
	0.2%	40	0.03	0
	0.1%	42	0.03	0
	0.2%	42	0.05	0
	0.2%	40	0.03	0
	0.3%	46	0.03	0
	0.1%	46	0.03	0
290	0.2%	44	0.02	0
	0.1%	44	0.03	0
	0.1%	46	0.05	0
	0.2%	46	0.02	0
	0.3%	48	0.02	0
	0.1%	48	0.04	0
	0.1%	48	0.03	0
	0.2%	50	0.03	0
	0.1%	48	0.02	0

Tabela 18: 50 Objetos Pre-Runtime Circle OnTriggerEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory

10				
30				
	0.8%	2	0.12	0
40				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%			
50				
		4	0.00	0

	0.0%	4		
60				
			0.00	0
	0.0%	4		0
70				
			0.00	
	0.0%	4	0.00	0
	0.0%	2	0.00	0
80				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
90				
	0.0%	2	0.00	0

	0.0%	6	0.00	0
	0.0%	2	0.00	0
100				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
110	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%			
		2	0.00	0
	0.0%	2		
			0.00	0
	0.0%	2	0.00	0
120	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0

130				
	0.0%	2	0.00	0
140				
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%			
150				
		4	0.00	0
	0.0%			
160				

170				
		2	0.00	0
	0.0%	2		
180			0.00	0
	0.0%	2		0
			0.00	
	0.0%	2	0.00	0
	0.0%	4	0.00	0
190				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
200				

	0.0%	2	0.00	0
	0.0%	2	0.00	0
210				
220				
	0.0%	2	0.00	0
230				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
240				

	0.0%	2	0.00	0
250	0.0%			
260				
280				
		2	0.00	0
	0.0%			
		2	0.00	0
	0.0%			
290				
		2	0.00	0

	0.0%			

Tabela 19: 50 Objetos Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.6%	2	0.11	0
		4		
	0.0%		0.00	0
70	0.0%	4		

			0.00	0
	0.0%	2		0
80				
			0.00	
	0.0%	4	0.00	0
		4		
90				
	0.0%		0.00	0
	0.0%	2	0.00	0
		2		0
100				
	0.0%		0.00	
		2		0
	0.0%		0.00	
		2		0

110	0.0%		0.00	
		2		0
	0.0%		0.00	
120		2		0
	0.0%		0.00	
		2	0.00	0
				0
	0.0%			
		2		
				0
130	0.0%		0.00	
	0.0%	2	0.00	
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		0
	0.0%	2		0
			0.00	
140	0.0%	2		0
		2	0.00	
				0

		2	0.00	0
	0.0%		0.00	0
			0.00	
	0.0%			
		6	0.00	0
150	0.0%			0
		2	0.00	
	0.0%			0
		2	0.00	
				0
160				
	0.0%			
		4	0.00	
	0.0%			
		2	0.00	0
				0
170	0.0%			
		2	0.00	
				0

180				
190				
	0.0%			
		2	0.00	
	0.0%			0
		2	0.00	
200				
	0.0%			
	0.0%	2	0.00	
210	0.0%	2	0.00	0
				0
	0.0%	2	0.00	
	0.0%			0

220				
		2	0.00	
	0.0%	2		0
			0.00	
	0.0%	2		0
				0
230				
			0.00	
	0.0%	2	0.00	
		2		0
	0.0%		0.00	
240		2		0
				0
	0.0%		0.00	
250		2	0.00	

	0.0%			
		2	0.00	0
260				
270				
	0.0%			
	0.0%	2	0.00	0
	0.0%	2	0.00	0
280				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%			
		2	0.00	0
290	0.0%			

Tabela 20: 50 Objetos Pre-Runtime Circle OnTriggerS-
tay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
40	0.0%	2	0.01	0
	0.0%	2	0.14	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.1%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.1%	12	0.00	0
	0.0%	6	0.00	0
50	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.1%	6	0.00	0
	0.0%	12	0.00	0

	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
60	0.0%	10	0.01	0
	0.0%	10	0.00	0
	0.0%	10	0.01	0
	0.0%	8	0.01	0
	0.0%	8	0.02	0
	0.0%	8	0.01	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.01	0
70	0.1%	8	0.02	0
	0.0%	8	0.05	0
	0.0%	8	0.01	0
	0.1%	12	0.05	0
	0.0%	12	0.00	0
	0.1%	12	0.01	0
	0.1%	12	0.01	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.05	0
80	0.0%	12	0.00	0
	0.0%	12	0.01	0
	0.0%	14	0.01	0
	0.0%	10	0.00	0
	0.0%	20	0.00	0
	0.0%	12	0.01	0
	0.1%	20	0.00	0
	0.0%	12	0.02	0
	0.1%	12	0.01	0

	0.0%	12	0.00	0
90	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.0%	20	0.00	0
	0.2%	14	0.05	0
	0.2%	26	0.00	0
	0.0%	12	0.00	0
		18	0.05	
	0.0%		0.01	0
	0.1%	18	0.00	0
	0.0%	18	0.00	0
100	0.0%	18	0.00	0
	0.0%	18		0
	0.0%	20	0.01	0
	0.0%	28	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.03	0
	0.0%	28	0.00	0
110	0.0%	18	0.01	0
	0.0%	18	0.00	0
	0.0%	28	0.00	0
	0.0%	20	0.00	0
	0.0%	18	0.03	0
	0.0%	20	0.00	0
	0.0%	24	0.00	0
	0.0%	24	0.03	0
	0.0%	28	0.00	0
	0.0%	26	0.01	0
120	0.0%	28	0.01	0
	0.0%	26	0.00	0
	0.1%	28	0.01	0

	0.0%	64	0.01	0
	0.0%	32	0.03	0
	0.1%	34	0.00	0
	0.1%	28	0.01	0
	0.1%	34	0.01	0
	0.0%	28	0.01	0
	0.1%	38	0.02	0
130	0.1%	36	0.03	0
	0.1%	36	0.01	0
	0.0%	36	0.01	0
	0.0%	28	0.01	0
	0.0%	36	0.01	0
	0.0%	34	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	28	0.02	0
	0.0%	28	0.01	0
140	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	32	0.01	0
	0.0%	34	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
		34	0.01	0
	0.1%	32	0.01	
150	0.0%	32	0.01	0
			0.01	
	0.0%	60	0.01	0
	0.0%		0.01	0
	0.3%	30	0.01	0
	0.4%	24	0.01	0
	0.0%	32	0.01	0

	0.1%	30		0
	0.0%	30	0.02	0
	0.1%	30		0
160	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.05	0
	0.1%	24	0.02	0
	0.1%	30	0.03	0
	0.0%	30	0.01	0
	0.0%	24	0.01	0
	0.0%	26	0.01	0
	0.0%	24	0.01	0
	0.0%	26	0.01	0
170		24	0.01	0
	0.0%	24	0.01	
	0.0%	32	0.03	0
	0.2%		0.01	0
		24	0.01	0
	0.0%	24	0.01	0
	0.0%	48	0.01	
	0.0%		0.01	0
	0.0%	24		0
	0.0%	24	0.01	0
180	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	32	0.03	0
	0.0%	24		0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.1%	26	0.01	0
	0.4%	26	0.01	0
	0.1%	28	0.01	0
	0.0%	58	0.01	0
190	0.1%	32	0.01	0

	0.1%	32	0.00	0
	0.0%	32	0.00	0
	0.0%	32	0.01	0
	0.1%	32	0.02	0
	0.0%	32	0.04	0
	0.0%	32	0.01	0
	0.1%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	32	0.01	0
200	0.0%	32	0.01	0
	0.1%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	30	0.01	0
	0.1%	32	0.01	0
210	0.0%	32	0.01	0
	0.0%	34	0.01	0
	0.0%	30	0.01	0
	0.0%	34	0.01	0
	0.0%	34	0.01	0
	0.1%	36	0.01	0
	0.0%	36	0.01	0
	0.0%	34	0.01	0
	0.2%	32	0.01	0
	0.1%	32	0.01	0
220	0.3%	32	0.01	0
	0.0%	30	0.01	0
	0.3%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0

	0.2%	28	0.01	0
	0.1%	30	0.02	0
	0.1%	28	0.01	0
	0.0%	30	0.02	0
	0.1%	30	0.01	0
230	0.0%	30	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.3%	28	0.01	0
	0.2%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.1%	30	0.01	0
240	0.1%	28	0.01	0
	0.1%	30	0.01	0
	0.1%	30	0.05	0
	0.1%	30	0.03	0
	0.1%	30	0.01	0
	0.1%	32	0.02	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
250	0.4%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.02	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	28	0.01	0
	0.1%	30	0.01	0
	0.0%	28	0.01	0

	0.1%	30	0.02	0
260	0.0%	28	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
270	0.0%	24	0.01	0
	0.0%	28	0.01	0
	0.0%	24	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
280	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.2%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	26	0.01	0
	0.0%	22	0.01	0
	0.1%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
290	0.0%	24	0.02	0
	0.0%	24	0.01	0
	0.0%	26	0.01	0

	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	22	0.01	0
	0.0%	22	0.01	0
	0.0%	22	0.01	0

Tabela 21: 50 Objetos Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	1.6%	1	0.28	28400
	1.9%	1	0.31	28400
	1.9%	1	0.29	28400
	1.7%	1	0.29	28400
	1.8%	1	0.29	28400
	1.7%	1	0.28	28400
	1.7%	1	0.28	28400
	0.9%	1	0.28	28400
	1.2%	1	0.29	28400
10	4.9%	1	0.37	28400
	2.2%	1	0.33	28400
	1.8%	1	0.29	28400
	1.7%	1	0.29	28400
	1.6%	1	0.28	28400
	1.6%	1	0.28	28400
	1.9%	1	0.30	28400
	1.7%	1	0.28	28400
	1.7%	1	0.30	28400
	1.7%	1	0.28	28400
20	1.7%	1	0.30	28400
	1.8%	1	0.32	28400
	1.9%	1	0.28	28400
	1.7%	1	0.28	28400

	1.8%	1	0.31	28400
	1.9%	1	0.32	28400
	1.9%	1	0.31	28400
	1.8%	1	0.30	28400
	1.8%	1	0.29	28400
	1.9%	1	0.33	28400
30	1.7%	1	0.28	28400
	1.8%	1	0.29	28400
	1.7%	1	0.30	28400
	1.9%	1	0.28	28400
	1.7%	1	0.32	28400
	1.9%	1	0.28	28400
	1.7%	1	0.28	28400
	1.6%	1	0.29	28400
	1.9%	1	0.30	28400
	1.6%	1	0.29	28400
40	0.9%	1	0.27	28400
	1.3%	1	0.32	28400
	11.0%	1	0.63	28400
	1.7%	1	0.28	28400
	1.8%	1	0.30	28400
	1.8%	1	0.31	28400
	1.7%	1	0.28	28400
	1.7%	1	0.31	28400
	1.5%	1	0.30	28400
	1.8%	1	0.29	28400
50	1.8%	1	0.32	28400
	1.5%	1	0.36	28400
	2.9%	1	0.31	28400
	1.9%	1	0.30	28400
	1.7%	1	0.31	28400
	2.1%	1	0.31	28400
	1.8%	1	0.31	28400
	1.8%	1	0.31	28400

	1.9%	1	0.31	28400
	1.8%	1	0.30	28400
60	1.7%	1	0.30	28400
	1.7%	1	0.29	28400
	1.7%	1	0.28	28400
	1.6%	1	0.29	28400
	1.7%	1	0.29	28400
	1.7%	1	0.28	28400
	1.7%	1	0.28	28400
	1.6%	1	0.30	28400
	1.8%	1	0.30	28400
	1.7%	1	0.31	28400
70	1.8%	1	0.29	28400
	1.7%	1	0.30	28400
	1.0%	1	0.28	28400
	1.5%	1	0.35	28400
	10.8%	2	0.60	56900
	1.7%	1	0.28	28400
	1.7%	1	0.29	28400
	1.7%	1	0.28	28400
	1.8%	1	0.29	28400
	1.7%	1	0.28	28400
80	1.7%	2	0.30	28400
	1.7%	1	0.30	28400
	1.8%	1	0.60	28400
	1.8%	1	0.32	28400
	1.6%	1	0.29	28400
	3.2%	2	0.59	56900
	1.9%	1	0.32	28400
	3.3%	2	0.60	56900
90				
	1.6%	1	0.27	28400

	1.7%	1	0.29	28400
	1.7%	1	0.29	28400
	1.6%	1	0.27	28400
	1.9%	1	0.30	28400
	1.7%	1	0.28	28400
	1.7%	1	0.32	28400
	1.8%	1	0.29	28400
	1.8%	1	0.29	56900
100	1.7%	1	0.33	28400
	1.8%	1	0.31	28400
	1.7%	1	0.28	28400
	1.8%	1	0.30	28400
	0.9%	1	0.28	28400
	2.9%	2	0.64	56900
	4.7%	1	0.33	28400
	1.8%	1	0.29	28400
	1.9%	1	0.31	28400
	1.8%	1	0.30	28400
110	1.8%	1	0.30	28400
	1.6%	1	0.30	28400
	1.6%	1	0.31	28400
	1.9%	1	0.37	28400
	1.9%	1	0.30	28400
	2.1%	1	0.28	28400
	1.8%	1	0.29	28400
	2.0%	1	0.31	28400
	1.6%	1	0.29	28400
	2.0%	1	0.32	28400
120	2.0%	1	0.32	28400
	1.8%	1	0.28	28400
	1.6%	1	0.28	28400
	1.7%	1	0.28	28400
	1.6%	1	0.28	28400
	1.8%	1	0.31	28400

	1.8%	1	0.31	28400
	1.9%	1	0.29	28400
	1.7%	1	0.28	28400
	1.7%	1	0.29	28400
130	1.8%	1	0.35	28400
	1.6%	1	0.29	28400
	1.7%	1	0.28	28400
	1.7%	1	0.29	28400
	1.8%	1	0.29	28400
	1.7%	1	0.28	28400
	1.0%	1	0.30	28400
	2.1%	1	0.45	28400
	5.0%	1	0.35	28400
	2.0%	1	0.31	28400
140	1.8%	1	0.30	28400
	1.9%	1	0.27	28400
	1.6%	1	0.35	28400
	2.1%	1	0.29	28400
	1.7%	1	0.28	28400
	1.7%	1	0.28	28400
	2.1%	1	0.35	28400
	1.9%	1	0.32	28400
	1.9%	1	0.31	28400
	1.9%	1	0.33	28400
150	1.9%	1	0.31	28400
	1.9%	1	0.31	28400
	1.7%	1	0.28	28400
	1.8%	1	0.30	28400
	1.6%	1	0.28	28400
	1.7%	1	0.29	28400
	1.9%	1	0.28	28400
	1.7%	1	0.29	28400
	1.6%	1	0.29	28400
	1.8%	1	0.30	28400

160	1.8%	1	0.77	28400
	1.7%	1	0.28	28400
	1.9%	1	0.31	28400
	1.8%	1	0.30	28400
	1.7%	1	0.30	28400
	1.9%	1	0.33	28400
	1.9%	1	0.30	28400
	1.7%	1	0.28	28400
	1.0%	1	0.30	28400
	2.6%	1	0.64	28400
170	13.0%	1	0.77	28400
	1.9%	1	0.29	28400
	1.8%	1	0.32	28400
	1.9%	1	0.31	28400
	1.8%	1	0.33	28400
	2.0%	1	0.30	28400
	1.9%	1	0.31	28400
	1.9%	1	0.33	28400
	2.0%	1	0.37	28400
	2.0%	1	0.30	28400
180	1.8%	1	0.29	28400
	1.9%	1	0.34	28400
	1.9%	1	0.28	28400
	1.7%	1	0.28	28400
	1.8%	1	0.31	28400
	1.9%	1	0.30	28400
	1.9%	1	0.30	28400
	1.8%	1	0.30	28400
	1.8%	1	0.31	28400
	1.9%	1	0.31	28400
190	1.8%	1	0.56	28400
	1.9%	1	0.30	28400
	1.7%	1	0.29	28400
	1.7%	1	0.30	28400

	1.7%	1	0.28	28400
	1.9%	1	0.32	28400
	1.7%	1	0.28	28400
	1.6%	1	0.27	28400
	1.9%	1	0.30	28400
	1.6%	1	0.28	28400
200	1.0%	1	0.29	28400
	1.8%	1	0.31	28400
	1.2%	2	0.56	56900
	8.5%	1	0.31	28400
	1.8%	1	0.29	28400
	1.7%	1	0.64	28400
	1.7%	1	0.29	28400
	2.1%	1	0.36	28400
	1.7%	1	0.29	28400
	2.0%	1	0.31	28400
210	1.8%	1	0.30	28400
	1.8%	1	0.31	28400
	2.0%	1	0.32	28400
	1.8%	1	0.32	28400
	1.8%	1	0.29	28400
	1.6%	1	0.28	28400
	1.0%	1	0.30	28400
	1.9%			
		1	0.32	28400
	1.8%	1	0.64	56900
220	3.4%	2		28400
			0.35	
	2.1%	1	0.30	28400
	2.1%	1	0.37	28400
	1.8%	1	0.33	28400
	1.9%	1	0.29	28400
	1.8%	1	0.32	28400
	3.0%	1	0.47	28400

	2.5%	1	0.44	28400
	2.2%	1	0.31	28400
230	1.3%	1	0.29	28400
	2.6%	1	0.30	28400
	1.0%	1	0.30	28400
	1.7%	2	0.98	56900
	4.4%	1	0.30	28400
	4.0%	1	0.33	28400
	1.9%	1	0.30	28400
	2.0%	1	0.32	28400
	1.7%	1	0.28	28400
	1.9%	1	0.31	28400
240	1.7%	1	0.28	28400
	1.5%	1	0.29	28400
	2.0%	1	0.31	28400
	1.7%	1	0.27	28400
	1.7%	1	0.29	28400
	2.0%	1	0.32	28400
	1.7%	1	0.28	28400
	1.8%	1	0.31	28400
	1.2%	1	0.30	28400
	1.7%	1	0.30	28400
250	1.9%	1	0.31	28400
	1.9%	1	0.34	28400
	2.1%	1	0.31	28400
	1.7%	1	0.32	28400
	2.1%	1	0.31	28400
	1.8%	1	0.28	28400
	1.6%	1	0.28	28400
	1.8%	1	0.30	28400
	1.6%	1	0.28	28400
	1.7%	1	0.29	28400
260	1.7%	1	0.29	28400
	1.8%	1	0.28	28400

	1.7%	1	0.29	28400
	1.9%	1	0.30	28400
	1.7%	1	0.31	28400
	1.2%	1	0.36	28400
	1.5%	1	0.43	28400
	5.4%	1	0.30	28400
	1.9%	1	0.30	28400
	1.9%	1	0.31	28400
270	2.0%	1	0.31	28400
	1.6%	1	0.28	28400
	1.7%	1	0.28	28400
	1.7%	1	0.29	28400
	1.7%	1	0.28	28400
	2.0%	1	0.33	28400
	1.9%	1	0.33	28400
	2.0%	1	0.32	28400
	1.0%	1	0.32	28400
	1.8%	1	0.32	28400
280	2.0%	2	0.34	28400
	1.9%	1	0.33	28400
	2.1%	1	0.31	28400
	1.9%	1	0.31	28400
	1.8%	1	0.31	28400
	1.8%	1	0.30	28400
	2.0%	1	0.34	28400
	1.7%	1	0.28	28400
	1.6%	1	0.27	28400
	2.0%	1	0.33	28400
290	1.6%	1	0.28	28400
	1.8%	1	0.30	28400
	1.6%	1	0.29	28400
	1.8%	1	0.29	28400
	1.7%	1	0.30	28400
	2.0%	1	0.30	28400

	1.7%	1	0.30	28400
	1.0%	1	0.31	28400
	1.1%	1	0.30	28400

A.1.4 CEM OBJETOS

Tabela 22: 100 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.0%	8	0.00	0
	0.0%	2	0.00	0
70	0.0%	2	0.00	0
	0.0%			
		4	0.00	0
	0.0%	4	0.00	0

	0.0%	4		0
			0.00	
	0.0%	4	0.00	0
	0.0%	4	0.00	0
80				
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	12	0.01	0
	0.0%	6	0.00	0
90	0.0%	2	0.00	0
	0.0%			
		12	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
100	0.0%	8	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	16	0.00	0
	0.0%	16	0.00	0

	0.0%	12	0.00	0
	0.0%	18	0.00	0
110	0.0%	10	0.00	0
	0.0%	8	0.01	0
	0.0%	10	0.01	0
	0.0%	16	0.01	0
	0.0%	18	0.01	0
	0.0%	16	0.00	0
	0.0%	16	0.00	0
	0.0%	18	0.00	0
	0.0%	6	0.00	0
	0.0%	14	0.00	0
120	0.0%	20	0.00	0
	0.0%	18	0.00	0
	0.0%	12	0.00	0
	0.0%	28	0.02	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.00	0
	0.0%	16	0.00	0
	0.0%	12	0.00	0
	0.0%	18	0.00	0
130	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
140	0.0%	12	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.01	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
150	0.0%	8	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
160	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	12	0.00	0
	0.0%	4	0.00	0
170	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0

	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
180	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%			
		2	0.00	0
190	0.0%	4	0.01	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
200	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0

210	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	12	0.01	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.1%	14	0.03	0
220	0.0%	18	0.01	0
	0.1%	14	0.00	0
	0.0%	6	0.00	0
	0.0%	12	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.00	0
230	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	14	0.00	0
	0.0%			
		6	0.00	0
	0.0%	6	0.00	0
240	0.0%	2		
			0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0

	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.01	0
	0.0%	6	0.00	0
250	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0
260	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.01	0
	0.0%	4	0.00	0
270	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0

	0.0%	2	0.00	0
280				
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
290	0.0%	2	0.00	0
	0.0%	4	0.01	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0

Tabela 23: 100 Objetos Pre-Runtime Circle OnCollisionExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory

10				
60				
	0.5%	2	0.09	0
				0
70				
	0.0%	4	0.00	
	0.0%		0.00	0
80		8		
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
				0
		2	0.00	
	0.0%		0.00	0
90	0.0%	2	0.00	0
	0.0%	2		

	0.0%	2	0.00	0
	0.0%	6	0.00	0
			0.00	0
				0
	0.0%	6		
	0.0%	8	0.00	
	0.0%	4	0.00	0
100	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%			
		8	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
110	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.01	0
	0.0%	8	0.00	0
	0.0%	16	0.01	0
	0.0%	16	0.00	0
	0.0%	8	0.00	0
	0.0%	24	0.00	0
	0.0%	10	0.02	0
	0.0%	10	0.01	0
120	0.0%	22	0.00	0
	0.0%	10	0.00	0
	0.0%	18	0.00	0
	0.0%	10	0.00	0
	0.1%	20	0.00	0
	0.0%	6	0.00	0

	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.00	0
130	0.0%	16	0.00	0
	0.0%	18	0.00	0
	0.0%	18	0.00	0
	0.0%	18	0.00	0
	0.1%	14	0.01	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
140				0
	0.0%	10	0.00	
	0.0%	12	0.00	0
	0.0%	18	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
150	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	22	0.00	0
	0.0%	6	0.00	0
	0.0%	18	0.00	0
	0.0%	22	0.01	0
	0.1%	2	0.01	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0

160			0.00	0
		2		
	0.0%		0.00	0
	0.0%	14		
			0.00	0
	0.0%	6	0.00	0
	0.0%	16		
	0.0%	4	0.00	0
	0.0%	10	0.00	0
170	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	14	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
180	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.01	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
190	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	
			0.00	0
200	0.0%	8		0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.1%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
	0.0%	2	0.00	0
210	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.01	0
	0.0%	8	0.00	0
	0.0%	4	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.03	0
	0.0%	10	0.01	0
	0.0%	20	0.02	0
220	0.1%	18	0.00	0
	0.2%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.01	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0

	0.0%	6	0.00	0
	0.0%	4	0.00	0
230	0.0%	6	0.00	0
	0.0%	6		0
	0.0%	4		0
	0.0%	6	0.00	
	0.0%			
	0.0%		0.00	0
		6	0.00	0
			0.00	0
	0.0%	4	0.00	
		12	0.00	0
240	0.0%	8	0.00	0
	0.0%	6	0.01	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.01	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
250	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
260	0.0%	2	0.00	0
	0.0%	6	0.00	0

	0.0%	4		0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	6		0
	0.0%		0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%		0.00	0
270	0.0%	4		
		4	0.00	0
	0.0%	6	0.00	
		10	0.00	0
	0.0%	6		0
	0.0%		0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	
	0.0%		0.00	0
		6	0.00	0
280	0.0%	6	0.00	0
	0.0%	2	0.00	
		2	0.00	0
	0.0%	2		0
	0.0%	2	0.00	0
	0.0%	6		0
	0.0%		0.00	0
	0.0%	4		0
	0.0%			0
	0.0%	2	0.00	0
290	0.0%	2	0.00	
	0.0%			0
	0.0%		0.00	
		4	0.00	0
			0.00	0
	0.0%	8	0.00	0

	0.0%	4	0.00	
		6	0.00	

Tabela 24: 100 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.1%	124	0.04	0
	0.1%	24	0.01	0
	0.2%	124	0.01	0
	0.2%	8	0.00	0
	0.0%	8		
	0.0%			0
		8	0.00	
	0.0%	4	0.00	0
10	0.0%	4	0.00	0
			0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.07	0
	0.0%	4	0.07	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
20	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0

	0.0%	4	0.00	0
	0.0%	4	0.00	0
30	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.01	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
40	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
50	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
60	0.0%	4	0.00	0
	0.0%	4	0.00	0

	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
70	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	14	0.00	0
	0.0%	24	0.00	0
80	0.0%	18	0.00	0
	0.0%	18	0.01	0
	0.0%	22	0.01	0
	0.0%	24	0.00	0
	0.0%	26	0.01	0
	0.0%	26	0.01	0
	0.0%	18	0.00	0
	0.0%	20	0.00	0
	0.0%	24	0.01	0
	0.0%	28	0.01	0
90	0.0%	32	0.01	0
	0.1%	40	0.01	0
	0.1%	44	0.02	0
	0.1%	54	0.02	0
	0.1%	60	0.03	0
	0.1%	68	0.09	0

	0.1%	60	0.05	0
	0.3%	58	0.04	0
	0.6%	68	0.03	0
	0.1%	56	0.03	0
100	0.2%	50	0.04	0
	0.1%	62	0.03	0
	0.1%	66	0.03	0
	0.2%	68	0.04	0
	0.2%	68	0.03	0
	0.2%	70	0.03	0
	0.2%	74	0.04	0
	0.2%	82	0.04	0
	0.3%	90	0.05	0
	0.2%	104	0.04	0
110	0.2%	104	0.04	0
	0.3%	106	0.04	0
	0.3%	120	0.05	0
	0.2%	162	0.05	0
	0.3%	162	0.06	0
	0.3%	130	0.09	0
	0.5%	134	0.09	0
	0.4%	146	0.09	0
	0.3%	152	0.06	0
	1.1%	160	0.19	0
120	0.5%	162	0.09	0
	0.5%	162	0.09	0
	0.5%	170	0.09	0
	0.5%	164	0.08	0
	0.4%	166	0.08	0
	0.5%	176	0.07	0
	0.4%	176	0.09	0
	0.3%	220	0.26	0
	0.5%	178	0.10	0
	1.1%	186	0.10	0

130	1.4%	220	0.08	0
	0.5%	192	0.09	0
	0.5%	196	0.10	0
	0.6%	204	0.10	0
	0.5%	210	0.09	0
	0.6%	224	0.10	0
	0.6%	220	0.09	0
	0.5%	214	0.09	0
	0.6%	208	0.10	0
	0.5%	202	0.09	0
140	0.6%	192	0.09	0
	0.6%	188	0.11	0
	0.6%	192	0.09	0
	0.6%	170	0.09	0
	0.5%	188	0.08	0
	0.5%	188	0.07	0
	0.6%	190	0.12	0
	0.6%	182	0.08	0
	0.5%	170	0.09	0
	0.5%	172	0.08	0
150	0.6%	172	0.07	0
	0.5%	176	0.08	0
	0.4%	170	0.07	0
	0.4%	172	0.07	0
	0.4%	164	0.07	0
	0.4%	158	0.08	0
	0.4%	160	0.06	0
	1.5%	184	0.29	0
	0.6%	172	0.10	0
	0.3%	174	0.17	0
160	0.5%	166	0.12	0
	1.6%	314	0.14	0
	0.4%	154	0.06	0
	0.4%	154	0.07	0

	0.4%	184	0.08	0
	0.4%	152		
			0.07	0
	0.4%	162	0.10	0
	0.6%	172	0.17	0
	0.5%	184	0.09	0
170	0.5%	174	0.09	0
	0.9%	340	0.17	
	0.4%			0
		172	0.10	0
	0.5%	156	0.07	0
	0.4%	146	0.08	0
	0.4%	156	0.07	0
	0.4%	150	0.06	0
	0.4%	154	0.08	0
	0.4%	148	0.06	0
180	0.4%	150	0.06	0
	0.4%	156	0.07	0
	0.4%	152	0.07	0
	0.4%	142	0.07	0
	0.4%	146	0.07	0
	0.4%	144	0.07	0
	0.5%	146	0.06	0
	0.4%	150	0.07	0
	0.3%	150	0.06	0
	0.4%	148	0.06	0
190	0.3%	148	0.06	0
	0.3%	138	0.05	0
	1.3%	132	0.07	0
	1.5%	142	0.25	0
	0.4%	138	0.06	0
	0.3%	136	0.06	0
	0.3%	140	0.06	0
	0.4%	142	0.06	0

	0.3%	144	0.06	0
	0.3%	146	0.06	0
200	0.3%	152	0.06	0
	0.4%	148	0.07	0
	0.4%	148	0.07	0
	0.3%	144	0.07	0
	0.4%	134	0.07	0
	0.4%	148	0.05	0
	0.3%	148	0.06	0
	0.4%	150	0.07	0
	0.2%	150	0.11	0
	1.0%	142	0.06	0
210	0.3%	140	0.06	0
	1.6%	142	0.07	0
	0.4%	232	0.06	0
	0.3%	138	0.07	0
	0.4%	138	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.08	0
	0.4%	134	0.05	0
220	0.4%	134	0.05	0
	0.3%	136	0.07	0
	0.4%	136	0.05	0
	1.0%	128	0.07	0
	0.4%	120	0.07	0
	0.5%	108	0.05	0
	0.1%	232	0.36	0
	1.6%	232	0.14	0
	1.6%	110	0.07	0
	1.8%	120	0.07	0
230	0.4%	122	0.05	0
	0.3%	118	0.06	0

	0.3%	112	0.06	0
	0.3%	110	0.06	0
	0.3%	128	0.06	0
	0.3%	116	0.07	0
	0.4%	112	0.07	
	0.4%	122	0.05	0
	0.4%	124	0.09	
	0.5%	126	0.06	0
240	0.4%	130	0.08	0
	0.5%		0.06	0
	0.4%	266		0
			0.12	0
	0.6%	140		0
		128	0.06	0
	0.3%	126	0.06	0
	0.4%	126	0.07	0
	0.4%	118	0.06	0
	0.3%	124	0.04	0
250	0.2%	124	0.06	0
	0.3%	128	0.05	0
	0.3%	126	0.07	0
	0.3%	126	0.05	0
	0.4%	124	0.23	0
	0.3%	130	0.05	0
	0.3%	124	0.06	0
	0.4%	126	0.06	0
	0.3%	250	0.05	0
	0.1%	124	0.28	0
260	1.2%	124	0.06	0
	0.7%	122	0.07	0
	0.5%	120	0.07	0
	0.4%	122	0.07	0
	0.4%	120	0.07	0
	0.4%	124	0.06	0

	0.3%	122	0.09	0
	0.3%	128	0.06	0
	0.5%	130	0.06	0
	0.3%	124	0.06	0
270	0.4%	120	0.05	0
	0.3%	120	0.05	0
	0.3%	112	0.06	0
	0.4%	116	0.05	0
	0.3%	128	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.06	0
	0.3%	126	0.06	0
280	0.4%	124	0.05	0
	0.6%	130	0.05	0
	0.3%	126	0.06	0
	0.3%	128	0.05	0
	0.3%	130	0.06	0
	0.3%	134	0.05	0
	0.3%	130	0.23	0
	1.1%	128	0.07	0
	0.5%	122	0.05	0
	0.3%	122	0.05	0
290	0.3%	126	0.07	0
	0.2%	124	0.25	0
	1.1%	120	0.11	0
	1.3%	122	0.05	0
	0.3%	124	0.16	0
	0.9%	122	0.10	0
	0.6%	122	0.06	0
	0.4%	122	0.05	0

Tabela 25: 100 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.1%	124	0.04	0
	0.1%	24	0.01	0
	0.2%	124	0.01	0
	0.2%	8	0.00	0
	0.0%	8		
	0.0%			0
		8	0.00	
	0.0%	4	0.00	0
10	0.0%	4	0.00	0
			0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.07	0
	0.0%	4	0.07	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
20	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
30	0.0%	4	0.00	0
	0.0%	4	0.00	0

	0.0%	8	0.01	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
40	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
50	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
60	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0

	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
70	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	14	0.00	0
	0.0%	24	0.00	0
80	0.0%	18	0.00	0
	0.0%	18	0.01	0
	0.0%	22	0.01	0
	0.0%	24	0.00	0
	0.0%	26	0.01	0
	0.0%	26	0.01	0
	0.0%	18	0.00	0
	0.0%	20	0.00	0
	0.0%	24	0.01	0
	0.0%	28	0.01	0
90	0.0%	32	0.01	0
	0.1%	40	0.01	0
	0.1%	44	0.02	0
	0.1%	54	0.02	0
	0.1%	60	0.03	0
	0.1%	68	0.09	0
	0.1%	60	0.05	0
	0.3%	58	0.04	0
	0.6%	68	0.03	0
	0.1%	56	0.03	0

100	0.2%	50	0.04	0
	0.1%	62	0.03	0
	0.1%	66	0.03	0
	0.2%	68	0.04	0
	0.2%	68	0.03	0
	0.2%	70	0.03	0
	0.2%	74	0.04	0
	0.2%	82	0.04	0
	0.3%	90	0.05	0
	0.2%	104	0.04	0
110	0.2%	104	0.04	0
	0.3%	106	0.04	0
	0.3%	120	0.05	0
	0.2%	162	0.05	0
	0.3%	162	0.06	0
	0.3%	130	0.09	0
	0.5%	134	0.09	0
	0.4%	146	0.09	0
	0.3%	152	0.06	0
	1.1%	160	0.19	0
120	0.5%	162	0.09	0
	0.5%	162	0.09	0
	0.5%	170	0.09	0
	0.5%	164	0.08	0
	0.4%	166	0.08	0
	0.5%	176	0.07	0
	0.4%	176	0.09	0
	0.3%	220	0.26	0
	0.5%	178	0.10	0
	1.1%	186	0.10	0
130	1.4%	220	0.08	0
	0.5%	192	0.09	0
	0.5%	196	0.10	0
	0.6%	204	0.10	0

	0.5%	210	0.09	0
	0.6%	224	0.10	0
	0.6%	220	0.09	0
	0.5%	214	0.09	0
	0.6%	208	0.10	0
	0.5%	202	0.09	0
140	0.6%	192	0.09	0
	0.6%	188	0.11	0
	0.6%	192	0.09	0
	0.6%	170	0.09	0
	0.5%	188	0.08	0
	0.5%	188	0.07	0
	0.6%	190	0.12	0
	0.6%	182	0.08	0
	0.5%	170	0.09	0
	0.5%	172	0.08	0
150	0.6%	172	0.07	0
	0.5%	176	0.08	0
	0.4%	170	0.07	0
	0.4%	172	0.07	0
	0.4%	164	0.07	0
	0.4%	158	0.08	0
	0.4%	160	0.06	0
	1.5%	184	0.29	0
	0.6%	172	0.10	0
	0.3%	174	0.17	0
160	0.5%	166	0.12	0
	1.6%	314	0.14	0
	0.4%	154	0.06	0
	0.4%	154	0.07	0
	0.4%	184	0.08	0
	0.4%	152		
			0.07	0
	0.4%	162	0.10	0

	0.6%	172	0.17	0
	0.5%	184	0.09	0
170	0.5%	174	0.09	0
	0.9%	340	0.17	
	0.4%			0
		172	0.10	0
	0.5%	156	0.07	0
	0.4%	146	0.08	0
	0.4%	156	0.07	0
	0.4%	150	0.06	0
	0.4%	154	0.08	0
	0.4%	148	0.06	0
180	0.4%	150	0.06	0
	0.4%	156	0.07	0
	0.4%	152	0.07	0
	0.4%	142	0.07	0
	0.4%	146	0.07	0
	0.4%	144	0.07	0
	0.5%	146	0.06	0
	0.4%	150	0.07	0
	0.3%	150	0.06	0
	0.4%	148	0.06	0
190	0.3%	148	0.06	0
	0.3%	138	0.05	0
	1.3%	132	0.07	0
	1.5%	142	0.25	0
	0.4%	138	0.06	0
	0.3%	136	0.06	0
	0.3%	140	0.06	0
	0.4%	142	0.06	0
	0.3%	144	0.06	0
	0.3%	146	0.06	0
200	0.3%	152	0.06	0
	0.4%	148	0.07	0

	0.4%	148	0.07	0
	0.3%	144	0.07	0
	0.4%	134	0.07	0
	0.4%	148	0.05	0
	0.3%	148	0.06	0
	0.4%	150	0.07	0
	0.2%	150	0.11	0
	1.0%	142	0.06	0
210	0.3%	140	0.06	0
	1.6%	142	0.07	0
	0.4%	232	0.06	0
	0.3%	138	0.07	0
	0.4%	138	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.06	0
	0.3%	134	0.08	0
	0.4%	134	0.05	0
220	0.4%	134	0.05	0
	0.3%	136	0.07	0
	0.4%	136	0.05	0
	1.0%	128	0.07	0
	0.4%	120	0.07	0
	0.5%	108	0.05	0
	0.1%	232	0.36	0
	1.6%	232	0.14	0
	1.6%	110	0.07	0
	1.8%	120	0.07	0
230	0.4%	122	0.05	0
	0.3%	118	0.06	0
	0.3%	112	0.06	0
	0.3%	110	0.06	0
	0.3%	128	0.06	0
	0.3%	116	0.07	0

	0.4%	112	0.07	
	0.4%	122	0.05	0
	0.4%	124	0.09	
	0.5%	126	0.06	0
240	0.4%	130	0.08	0
	0.5%		0.06	0
	0.4%	266		0
			0.12	0
	0.6%	140		0
		128	0.06	0
	0.3%	126	0.06	0
	0.4%	126	0.07	0
	0.4%	118	0.06	0
	0.3%	124	0.04	0
250	0.2%	124	0.06	0
	0.3%	128	0.05	0
	0.3%	126	0.07	0
	0.3%	126	0.05	0
	0.4%	124	0.23	0
	0.3%	130	0.05	0
	0.3%	124	0.06	0
	0.4%	126	0.06	0
	0.3%	250	0.05	0
	0.1%	124	0.28	0
260	1.2%	124	0.06	0
	0.7%	122	0.07	0
	0.5%	120	0.07	0
	0.4%	122	0.07	0
	0.4%	120	0.07	0
	0.4%	124	0.06	0
	0.3%	122	0.09	0
	0.3%	128	0.06	0
	0.5%	130	0.06	0
	0.3%	124	0.06	0

270	0.4%	120	0.05	0
	0.3%	120	0.05	0
	0.3%	112	0.06	0
	0.4%	116	0.05	0
	0.3%	128	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.05	0
	0.3%	130	0.06	0
	0.3%	126	0.06	0
280	0.4%	124	0.05	0
	0.6%	130	0.05	0
	0.3%	126	0.06	0
	0.3%	128	0.05	0
	0.3%	130	0.06	0
	0.3%	134	0.05	0
	0.3%	130	0.23	0
	1.1%	128	0.07	0
	0.5%	122	0.05	0
	0.3%	122	0.05	0
290	0.3%	126	0.07	0
	0.2%	124	0.25	0
	1.1%	120	0.11	0
	1.3%	122	0.05	0
	0.3%	124	0.16	0
	0.9%	122	0.10	0
	0.6%	122	0.06	0
	0.4%	122	0.05	0

Tabela 26: 100 Objetos Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory

10				
60				
		2	0.11	0
	0.0%			
	0.0%		0.00	0
70				
80		4		
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0

				0
				0
90				
	0.0%	2	0.00	
			0.00	
100				0
		4		
			0.00	
	0.0%			0
		2		
				0
110				
	0.0%			
		4	0.00	
				0

120				
140	0.0%			
			0.00	
				0
				0
	0.0%	2		
	0.0%	2	0.00	
				0
150				
	0.0%	2	0.00	
				0
160				
	0.0%	2	0.00	
				0

170				
190				
	0.0%	2	0.00	
	0.0%	4	0.00	
	0.0%			
				0
200		4	0.00	
	0.0%			
		2	0.00	0
	0.0%	2		
			0.00	
	0.0%	2		0
				0
210				
			0.00	
	0.0%		0.00	
220				0

230				
		2		
	0.0%	2	0.00	
	0.0%		0.00	0
		2		0
	0.0%		0.00	
				0
240				
260		2		
	0.0%		0.00	
				0
270				
290				

Tabela 27: 100 Objetos Pre-Runtime Circle OnTriggerStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
40	0.6%	2	0.11	0
	0.0%	2	0.00	0
	0.0%	6	0.01	0
	0.0%	2	0.00	0
	0.0%	12	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.2%	6	0.00	0
	0.0%	6	0.00	0
	0.2%	2	0.00	0
50	0.2%	2	0.01	0
	0.2%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.1%	6	0.00	0
	0.1%	6	0.01	0
	0.1%	6	0.01	0
	0.0%	6	0.00	0
	0.1%	6	0.00	0
	0.2%	6	0.00	0

60	0.0%	6	0.00	0
	0.0%	14	0.02	0
	0.0%	14	0.01	0
	0.2%	14	0.01	0
	0.0%	10	0.00	0
	0.1%	10	0.00	0
	0.0%	14	0.01	0
	0.0%	8	0.01	0
	0.0%	8	0.01	0
	0.0%	8	0.00	0
70	0.0%	14	0.01	0
	0.0%	14	0.01	0
	0.1%	14	0.00	0
	0.0%	10	0.00	0
	0.0%	14	0.01	0
	0.0%	32	0.01	0
	0.0%	10	0.00	0
	0.0%	32	0.00	0
	0.0%	10	0.00	0
	0.1%	32	0.00	0
80	0.0%	14	0.00	0
	0.1%	14	0.00	0
	0.0%	14	0.00	0
	0.1%	14	0.01	0
	0.0%	16	0.03	0
	0.0%	12	0.02	0
	0.0%	12	0.01	0
	0.0%	14	0.01	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0
90	0.0%	12	0.01	0
	0.0%	22	0.01	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0

	0.0%	14	0.01	0
	0.0%	14	0.02	0
	0.0%	22	0.01	0
	0.0%	16	0.01	0
	0.0%	16	0.01	0
	0.0%	16	0.02	0
100	0.0%	22	0.02	0
	0.0%	16	0.05	0
	0.0%	22	0.02	0
	0.0%	22	0.01	0
	0.0%	22	0.01	0
	0.1%	22	0.01	0
	0.0%	24	0.01	0
	0.0%	30	0.01	0
	0.1%	22	0.04	0
	0.0%	30	0.02	0
110	0.0%	22	0.01	0
	0.1%	24	0.01	0
	0.0%	20	0.04	0
	0.0%	20	0.01	0
	0.1%	20	0.01	0
	0.0%	20	0.03	0
	0.0%	30	0.02	0
	0.0%	20	0.02	0
	0.0%	30	0.04	0
	0.1%	30	0.02	0
120	0.1%	30	0.02	0
	0.0%	26	0.04	0
	0.0%	36	0.02	0
	0.0%	28	0.02	0
	0.1%	36	0.02	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0

	0.0%	30	0.04	0
	0.3%	30	0.01	0
130	0.1%	30	0.01	0
	0.3%	30	0.01	0
	0.1%	36	0.02	0
	0.1%	30	0.07	0
	0.0%	34	0.01	0
	0.0%	34	0.01	0
	0.0%	36	0.02	0
	0.0%	36	0.04	0
	0.0%	36	0.04	0
	0.0%	36	0.01	0
140	0.3%	36	0.01	0
	0.0%	38	0.01	0
	0.1%	38	0.01	0
	0.1%	38		0
	0.0%	38	0.01	0
	0.3%	36	0.01	0
	0.2%	38	0.02	0
	0.3%	38	0.01	0
	0.1%	38	0.04	0
	0.1%	38		0
150	0.1%	38	0.02	0
	0.1%	36	0.01	0
	0.1%	36	0.01	0
	0.0%	36	0.01	0
	0.1%	36	0.01	0
	0.2%	36	0.01	0
	0.1%	34	0.01	0
	0.1%	32	0.01	0
	0.1%	32	0.01	0
	0.1%	32	0.01	0
160	0.1%	32	0.01	0
	0.1%	68	0.01	0

	0.1%	32	0.01	0
	0.1%	32	0.01	0
	0.1%		0.01	0
	0.1%	32	0.01	0
	0.1%	34	0.01	0
	0.1%	36	0.01	0
	0.1%	72	0.01	0
	0.1%		0.04	0
170	0.1%	36	0.03	0
	0.1%	36	0.01	0
	0.1%	26	0.01	0
	0.1%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	34	0.01	0
	0.4%	34	0.01	0
	0.1%	26	0.01	0
	0.1%	34	0.02	0
180	0.1%	34	0.01	0
	0.1%	34	0.02	0
	0.3%	34	0.01	
	0.4%	26	0.01	0
	0.0%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	28	0.01	0
	0.4%	34	0.01	0
	0.1%	34	0.01	0
	0.4%	34	0.01	
190	0.1%	68	0.01	0
		34	0.01	0
	0.0%	34	0.01	0
	0.0%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	28	0.01	0

	0.2%	34	0.01	0
		34	0.07	0
	0.1%	28	0.01	0
	0.1%	34	0.01	0
200	0.0%	34	0.01	0
	0.1%	34	0.01	0
	0.1%	34	0.06	0
	0.1%	32	0.03	0
	0.0%	28	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.01	0
210	0.0%	28	0.01	0
	0.1%	28	0.02	0
	0.1%	26	0.03	0
	0.1%	28	0.01	0
	0.1%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28		0
	0.0%	26	0.02	0
	0.2%	26		0
	0.4%	26	0.01	0
220	0.1%	52	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	30	0.01	0
	0.1%	30	0.01	0
	0.0%	30	0.01	0
	0.1%	28	0.01	0
	0.1%	28	0.01	0
	0.1%	28	0.01	0

230	0.1%	28	0.04	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.2%		0.01	0
	0.1%	56	0.01	0
	0.0%		0.01	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	0
240	0.0%	30	0.01	0
	0.0%	28	0.01	0
	0.0%	26	0.01	0
	0.0%	26	0.01	0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.3%	24	0.01	0
	0.1%	30	0.01	0
	0.0%	48	0.01	0
	0.1%	24	0.01	0
250	0.0%	24	0.01	0
	0.3%	24	0.01	0
	0.1%	24	0.01	0
	0.4%	26	0.01	0
	0.0%	26	0.01	0
	0.0%	30	0.01	0
	0.0%	32	0.05	0
	0.1%	32	0.01	0
	0.1%	32	0.01	0
	0.0%	32	0.01	
260	0.0%	32	0.01	0
	0.1%	30	0.05	
	0.1%	32	0.04	0
	0.2%	32	0.02	0

	0.0%	32	0.04	0
	0.1%	32	0.01	0
		32	0.01	0
	0.1%	32	0.01	0
		32	0.01	0
	0.0%	30	0.01	0
270	0.0%	32	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.03	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
280	0.0%	30	0.01	0
	0.1%	30	0.01	0
	0.1%	30	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0
	0.1%	30		0
	0.0%	30		0
	0.0%	30		0
	0.1%	30		0
	0.1%	30		0
290	0.1%	30		0
	0.1%	30		0
	0.0%	30		0
	0.1%	30		0
	0.0%	30		0
	0.0%	30		0
	0.0%	30		0
	0.0%	30		0

Tabela 28: 100 Objetos Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	3.5%	6	1.59	85300
	4.6%	2	0.87	28400
	10.5%	2	0.92	28400
	2.7%	1	0.36	14200
	4.5%	2	0.79	28400
	2.2%	1	0.37	14200
10	2.2%	1	0.39	14200
	3.1%	1	0.49	14200
	2.0%	1	0.33	14200
	2.1%	1	0.35	14200
	1.9%	1	0.32	14200
	2.7%	1	0.42	14200
	1.9%	1	0.32	14200
	1.9%	1	0.32	14200
	2.0%	1	0.34	14200
	2.6%	1	0.45	14200
20	1.9%	1	0.31	14200
	1.9%	1	0.31	14200
	2.0%	1	0.34	14200
	2.9%	1	0.46	14200
	2.0%	1	0.34	14200
	2.1%	1	0.34	14200
	2.0%	1	0.34	14200
	2.8%	1	0.45	14200
	1.7%	1	0.33	14200
	1.1%	1	0.33	14200
30	4.2%	2	0.90	28400
	7.6%	1	0.41	14200

	2.7%	1	0.48	14200
	2.4%	1	0.39	14200
	2.2%	1	0.37	14200
	3.0%	1	0.50	14200
	2.2%	1	0.39	14200
	2.4%	1	0.40	14200
	3.1%	1	0.51	14200
	3.1%	1	0.50	14300
40	3.0%	1	0.50	14200
	3.0%	1	0.50	14200
	2.4%	1	0.40	14200
	2.3%	1	0.36	14200
	2.8%	1	0.47	14200
	2.0%	1	0.35	14200
	2.0%	1	0.34	14200
	2.9%	1	0.47	14300
	2.1%	1	0.37	14200
	2.1%	1	0.35	14200
50	2.9%	1	0.47	14200
	2.1%	1	0.35	14200
	2.0%	1	0.35	14200
	3.0%	1	0.47	14200
	2.0%	1	0.34	14200
	2.1%	1	0.36	14200
	2.6%	1	0.48	14200
	2.4%	1	0.35	14200
	2.1%	1	0.37	14300
	1.6%	1	0.47	14200
60	2.9%	1	0.62	14200
	5.9%	1	0.48	14200
	3.5%	1	0.55	14200
	3.6%	1	0.58	14200
	2.5%	1	0.43	14200
	3.5%	1	0.59	14300

	2.4%	1	0.39	14200
	2.9%	1	0.51	42700
	4.1%	1	0.70	42700
	3.4%	1	0.51	42700
70	2.9%	1	0.50	49800
	3.4%	1	0.60	49800
	2.8%	1	0.44	49800
	2.7%	1	0.44	64000
	3.4%	1	0.54	64000
	2.6%	1	0.45	78200
	2.8%	1	0.47	78200
	3.5%	1	0.58	92400
	3.1%	1	0.52	92400
	2.9%	1	0.47	92400
80	3.6%	1	0.61	106600
	2.9%	1	0.49	92400
	3.0%	1	0.49	99500
	3.4%	1	0.59	120900
	3.0%	1	0.50	128000
	3.4%	1	0.56	149300
	4.2%	1	0.66	163500
	3.3%	1	0.63	199100
	4.2%	1	0.63	220400
	2.7%	1	0.75	220400
90	5.4%	1	1.28	220400
	12.4%	1	0.92	213300
	7.5%	1	1.26	206200
	5.2%	1	0.76	241800
	4.1%	1	0.73	234600
	5.1%	1	0.84	241700
	5.1%	1	0.81	263000
	4.9%	1	0.84	298600
	6.0%	1	0.94	305700
	4.8%	1	0.82	319900

100	4.7%	1	0.79	348400
	5.4%	1	0.88	383900
	5.2%	1	0.88	398100
	5.4%	1	0.90	433700
	5.7%	1	1.00	462100
	8.4%	1	1.30	490500
	5.6%	1	0.99	500000
	8.2%	1	1.38	600000
	8.6%	1	1.37	600000
	7.9%	1	1.31	600000
110	7.5%	1	1.32	600000
	11.3%	1	1.87	600000
	8.6%	1	1.41	700000
	8.5%	1	1.47	700000
	7.6%	1	1.19	700000
	7.4%	1	1.25	700000
	7.4%	1	1.19	600000
	7.1%	1	1.16	700000
	7.1%	1	1.22	700000
	4.3%	1	1.17	700000
120	14.7%	1	3.50	700000
	28.8%	1	2.07	800000
	7.4%	1	1.18	700000
	7.1%	1	1.20	800000
	7.7%	1	1.27	800000
	8.2%	1	1.31	800000
	7.4%	1	1.31	800000
	8.5%	1	1.33	800000
	7.6%	1	1.34	800000
	9.3%	1	1.50	800000
130	8.6%	1	1.46	800000
	8.7%	1	1.39	800000
	8.1%	1	1.46	700000
	8.5%	1	1.30	700000

	8.3%	1	1.39	700000
	8.2%	1	1.32	700000
	7.5%	1	1.30	700000
	8.2%	1	1.30	700000
	8.3%	1	1.41	700000
	7.1%	1	1.13	700000
140	6.6%	1	1.11	600000
	6.9%	1	1.15	600000
	6.8%	1	1.15	600000
	7.0%	1	1.10	600000
	6.7%	1	1.15	600000
	7.0%	1	1.13	600000
	6.7%	1	1.14	600000
	11.8%	1	2.32	600000
	7.9%	1	1.22	600000
	4.4%	1	1.18	700000
150	9.0%	1	1.88	700000
	36.9%	2	3.26	1200000
	8.6%	1	1.25	600000
	7.4%	1	1.20	600000
	7.4%	1	1.25	600000
	5.8%	1	1.09	600000
	7.6%	1	1.22	600000
	7.1%	1	1.21	700000
	8.2%	1	1.34	700000
160	12.6%	2	2.38	1300000
	7.2%	1	1.29	600000
	7.5%	1	1.23	600000
	7.1%	1	1.23	600000
	7.6%	1	1.21	600000
	6.9%	1	1.22	600000
	6.7%	1	1.07	600000

	6.3%	1	1.03	600000
	6.5%	1	1.06	500000
170	6.2%	1	1.06	600000
	6.7%	1	1.08	600000
	6.4%	1	1.08	500000
	6.5%	1	1.15	600000
	7.2%	1	1.08	600000
	6.1%	1	1.02	500000
	6.2%	1	1.04	500000
	6.2%	1	1.01	500000
	6.4%	1	1.06	500000
	3.2%	1	1.00	500000
180	21.6%	2	4.19	1000000
	25.3%	1	1.77	511900
	6.3%	1	1.01	511900
	5.9%	1	1.03	500000
	6.3%	1	1.00	500000
	6.8%	1	1.09	500000
	6.2%	1	1.04	600000
	6.2%	1	1.08	600000
	7.5%	1	1.23	500000
	6.7%	1	1.13	500000
190	7.1%	1	1.19	500000
	7.7%	1	1.23	500000
	7.0%	1	1.25	600000
	7.0%	1	1.17	600000
	41.6%	1	15.47	500000
	18.6%	1	1.16	500000
	6.0%	1	0.97	500000
	5.8%	1	0.96	500000
	5.6%	1	0.99	500000
	6.3%	1	0.99	500000
200	6.3%	1	1.07	500000
	6.0%	1	0.96	504800

	5.7%	1	0.97	500000
	6.6%	1	1.09	500000
	5.8%	1	0.98	500000
	6.1%	1	1.00	500000
	8.0%	1	1.59	511900
	6.6%	1	1.04	497700
	7.0%	1	1.03	490500
	3.2%	1	0.95	490500
210	11.2%	1	2.42	504800
	29.0%	2	2.25	900000
	6.3%	1	0.95	483400
	5.7%	1	0.95	483400
	6.1%	1	0.99	497700
	6.5%	1	1.11	476300
	5.8%	1	1.02	462100
	7.1%	1	1.11	469200
	6.0%	1	1.06	447900
	7.1%	1	1.07	476300
220	6.6%	1	1.15	476300
	6.8%	1	1.10	483400
	6.1%	1	1.06	476300
	6.8%	1	1.09	483400
	9.5%	2	1.76	1000000
	5.5%	1	0.97	511900
	5.8%	1	0.95	500000
	6.1%	1	1.01	497700
230	5.7%	1	0.95	469200
	5.4%	1	0.91	476300
	5.6%	1	1.00	462100
	6.1%	1	0.95	483400
	6.2%	1	1.03	490500
	5.6%	1	0.99	497700

	6.1%	1	0.96	504800
	6.1%	1	0.99	483400
	5.7%	1	0.98	497700
	3.4%	1	1.02	483400
240	11.6%	2	2.75	900000
	11.8%	1	1.06	469200
	6.5%	1	0.96	483400
	6.1%	1	1.01	483400
	6.3%	1	1.10	483400
	6.7%	1	1.07	476300
	6.9%	1	1.15	490500
	7.0%	1	1.20	490500
	7.1%	1	1.11	483400
	6.6%	1	1.12	469200
250	6.5%	1	1.10	462100
	6.3%	1	1.04	462100
	6.3%	1	1.00	447900
	5.8%	1	0.95	462100
	5.5%	1	0.94	476300
	6.2%	1	0.99	476300
	5.7%	1	0.97	476300
	6.0%	1	0.98	476300
	5.8%	1	0.99	490500
	6.0%	1	1.00	483400
260	5.8%	1	0.96	497700
	5.9%	1	0.98	483400
	5.7%	1	0.94	462100
	5.5%	1	0.92	490500
	5.9%	1	0.99	497700
	9.7%	1	1.90	483400
	7.3%	1	1.01	483400
	6.0%	1	1.01	462100
	5.6%	1	0.92	462100
	3.3%	1	0.92	462100

270	9.0%	1	2.07	455000
	31.7%	1	2.60	455000
	7.6%	1	1.23	469200
	8.1%	1	1.43	455000
	8.4%	1	1.35	447900
	9.0%	1	1.33	447900
	6.1%	1	1.04	440800
	6.8%	1	1.07	447900
	6.0%	1	1.05	440800
	6.5%	1	1.03	447900
280	6.2%	1	1.08	469200
	6.2%	1	0.96	476300
	5.6%	1	0.95	490500
	5.7%	1	0.96	497700
	6.1%	1	1.05	490500
	6.1%	1	0.96	483400
	5.8%	1	0.98	476300
	5.5%	1	0.94	469200
	6.5%	1	1.06	469200
	7.3%	1	1.17	469200
290	3.9%	1	1.14	469200
	11.6%	1	1.02	469200
	7.5%	1	1.10	476300
	6.2%	1	0.96	469200
	5.4%	1	0.92	476300
	5.5%	1	0.92	476300
	4.1%	1	0.91	469200
	0.3%	1	0.94	462100

A.1.5 QUINHENTOS OBJETOS

Tabela 29: 500 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%			
70				
		4	0.00	0
	0.0%	4	0.00	0
	0.0%	4		
			0.00	0
	0.0%	4		0
			0.00	
	0.0%	4	0.00	0
	0.0%	4	0.00	0

80	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	12	0.00	0
	0.0%	4	0.00	0
	0.0%			
90				
		8	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	10	0.02	0
	0.1%	8	0.02	0
	0.0%	6	0.00	0
	0.0%	8	0.01	0
100	0.0%	8	0.00	0
	0.0%	8	0.00	0
	0.0%	14	0.00	0
	0.0%	6	0.00	0
	0.1%	22	0.02	0
	0.0%	6	0.00	0
	0.0%	16	0.00	0
	0.0%	2	0.00	0
	0.0%	28	0.01	0
	0.0%	10	0.02	0
110	0.1%	18	0.01	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	16	0.00	0

	0.0%	16	0.00	0
	0.1%	22	0.04	0
	0.0%	16	0.01	0
	0.0%	12	0.00	0
	0.0%	18	0.00	0
	0.0%	14	0.00	0
120	0.0%	22	0.01	0
	0.0%	14	0.00	0
	0.0%	34	0.10	0
	0.3%	38	0.01	0
	0.1%	20	0.00	0
	0.0%	18	0.00	0
	0.0%	16	0.01	0
	0.0%	20	0.00	0
	0.1%	34	0.01	0
	0.0%	28	0.01	0
130	0.0%	14	0.00	0
	0.0%	26	0.01	0
	0.0%	20	0.01	0
	0.0%	18	0.01	0
	0.0%	8	0.00	0
	0.0%	10	0.00	0
	0.0%	10	0.00	0
	0.0%	8	0.00	0
	0.0%	20	0.01	0
	0.0%	32	0.00	0
140	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	26	0.01	0
	0.0%	32	0.01	0
	0.0%	24	0.01	0
	0.0%	16	0.00	0
	0.0%	18	0.01	0
	0.0%	18	0.01	0

	0.0%	6	0.00	0
	0.0%	28	0.01	0
150	0.0%	12	0.00	0
	0.0%	30	0.01	0
	0.0%	28	0.01	0
	0.1%	26	0.01	0
	0.0%	24	0.02	0
	0.0%	20	0.01	0
	0.1%	18	0.00	0
	0.0%	16	0.00	0
	0.0%	20	0.01	0
	0.0%	24	0.01	0
160	0.0%	22	0.01	0
	0.0%	20	0.00	0
	0.0%	40	0.02	0
	0.3%	72	0.05	0
	0.1%	38	0.02	0
	0.1%	50	0.02	0
	0.1%	46	0.02	0
	0.3%	48	0.02	0
	0.1%	42	0.02	0
	0.1%	46	0.07	0
170	0.4%	50	0.03	0
	0.1%	54	0.05	0
	0.2%	62	0.03	0
	0.3%	46	0.05	0
	0.1%	56	0.02	0
	0.1%	46	0.02	0
	0.2%	54	0.04	0
	0.2%	40	0.05	0
	0.4%	54	0.05	0
	0.2%	62	0.02	0
180	0.3%	90	0.06	0
	0.1%	50	0.02	0

	0.1%	72	0.06	0
	0.3%	50	0.03	0
	0.1%	52	0.03	0
	0.1%	50	0.15	0
	0.4%	144	0.04	0
	0.2%	62	0.02	0
	0.2%	72	0.04	0
	0.1%	62	0.03	0
190	0.2%	68	0.03	0
	0.1%	52	0.02	0
	0.2%	60	0.04	0
	0.1%	68	0.04	0
	0.2%	76	0.05	0
	0.4%	112	0.09	0
	0.1%	42	0.02	0
	0.2%	50	0.03	0
	0.1%	52	0.02	0
	0.1%	78	0.02	0
200	0.1%	46	0.03	0
	0.2%	60	0.05	0
	0.1%	46	0.02	0
	0.2%	58	0.03	0
	0.1%	54	0.02	0
	0.2%	68	0.03	0
	0.3%	78	0.05	0
	0.2%	78	0.04	0
	0.2%	52	0.03	0
	0.3%	80	0.05	0
210	0.2%	86	0.04	0
	0.3%	102	0.05	0
	0.3%	86	0.04	0
	0.2%	80	0.04	0
	0.2%	98	0.04	0
	0.1%	74	0.04	0

	0.1%	80	0.04	0
	0.3%	210	0.11	0
	0.4%	180	0.09	0
	0.5%	98	0.08	0
220	0.2%	84	0.04	0
	0.3%	86	0.05	0
	0.4%	92	0.06	0
	0.5%	98	0.08	0
	0.3%	76	0.05	0
	0.3%	64	0.04	0
	0.2%	66	0.03	0
	0.2%	62	0.03	0
	0.2%	84	0.05	0
	0.3%	52	0.04	0
230	0.2%	66	0.04	0
	0.1%	84	0.02	0
	0.3%	112	0.06	0
	0.2%	70	0.04	0
	0.2%	58	0.06	0
	0.1%	40	0.02	0
	0.1%	44	0.02	0
	0.2%	58	0.03	0
	0.1%	38	0.02	0
	0.1%	52	0.02	0
240	0.1%	42	0.02	0
	0.1%	48	0.02	0
	0.0%	58	0.03	0
	0.1%	92	0.10	0
	0.3%	34	0.06	0
	0.3%	98	0.04	0
	0.1%	74	0.01	0
	0.3%	112	0.06	0
	0.1%	46	0.02	0
	0.1%	36	0.03	0

250	0.1%	48	0.02	0
	0.2%	44	0.03	0
	0.2%	36	0.04	0
	0.0%	30	0.01	0
	0.2%	40	0.03	0
	0.0%	34	0.01	0
	0.1%	38	0.01	0
	0.1%	28	0.01	0
	0.1%	34	0.01	0
	0.1%	38	0.02	0
260	0.1%	46	0.01	0
	0.1%	34	0.04	0
	0.1%	36	0.01	0
	0.2%	50	0.03	0
	0.1%	48	0.02	0
	0.0%	24	0.01	0
	0.0%	30	0.01	0
	0.1%	36	0.02	0
	0.0%	46	0.02	0
	0.1%	32	0.02	0
270	0.1%	36	0.02	0
	0.0%	38	0.03	0
	0.1%	76	0.05	0
	0.1%	72	0.04	0
	0.2%	42	0.01	0
	0.1%	30	0.01	0
	0.1%	40	0.01	0
	0.1%	36	0.02	0
	0.1%	40	0.03	0
	0.1%	36	0.02	0
280	0.1%	30	0.01	0
	0.1%	58	0.02	0
	0.1%	42	0.01	0
	0.1%	44	0.02	0

	0.1%	46	0.02	0
	0.1%	38	0.01	0
	0.1%	32	0.01	0
	0.0%	42	0.02	0
	0.1%	34	0.01	0
	0.1%	66	0.01	0
290	0.0%	28	0.03	0
	0.1%	60	0.01	0
	0.1%	28	0.01	0
	0.2%	42	0.04	0
	0.1%	20	0.01	0
	0.0%	30	0.01	0
	0.0%	32	0.01	0
	0.1%	42	0.02	0

Tabela 30: 500 Objetos Pre-Runtime Circle OnCollisionExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				

	0.6%	2	0.11	0
70	0.0%	4	0.00	
	0.0%			
	0.0%			
				0
		4	0.00	
	0.0%			
				0
		4	0.00	0
80		2	0.00	0
	0.0%	4		0
	0.0%	4		
			0.00	
			0.00	0
	0.0%	4	0.00	
90				
				0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	

	0.0%	4	0.00	0
				0
100	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
	0.0%	6	0.00	
	0.0%	2		0
	0.0%		0.00	0
		2	0.00	0
	0.0%	8	0.00	0
	0.0%	14	0.00	0
	0.0%	10	0.00	0
110	0.0%	12	0.00	0
	0.0%	4	0.00	0
	0.0%	14	0.00	0
	0.1%	24	0.00	0
	0.1%	24	0.02	0
	0.0%	20	0.01	0
	0.0%	16	0.00	0
	0.0%	14	0.00	0
	0.0%	10	0.00	0
	0.0%	4	0.00	0
120	0.0%	14	0.00	0
	0.0%	8	0.02	0
	0.0%	14	0.00	0
	0.1%	18	0.00	0
	0.0%	14	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%	16	0.00	0
	0.0%	14	0.01	0
	0.0%	16	0.00	0
130	0.0%	16	0.00	0
	0.0%	14	0.00	0

	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.1%	20	0.00	0
	0.0%	20	0.01	0
	0.0%	10	0.01	0
	0.1%	14	0.00	0
	0.0%	10	0.00	0
	0.0%	18	0.01	0
140	0.0%	18	0.00	0
	0.0%	4	0.00	0
	0.0%	34	0.01	0
	0.0%	20	0.00	0
	0.0%	12	0.00	0
	0.0%	16	0.00	0
	0.1%	14	0.01	0
	0.0%	14	0.00	0
	0.0%	14	0.00	0
	0.0%	16	0.00	0
150	0.0%	34	0.00	0
	0.0%	16	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.1%	34	0.03	0
	0.1%	18	0.02	0
	0.0%	16	0.00	0
	0.1%	10	0.00	0
	0.0%	18	0.00	0
	0.0%	28	0.00	0
160	0.0%	18	0.01	0
	0.0%	30	0.02	0
	0.0%	24	0.01	0
	0.1%	48	0.02	0
	0.1%	26	0.01	0
	0.1%	16	0.01	0

	0.0%	28	0.01	0
	0.0%	20	0.01	0
	0.0%	28	0.02	0
	0.1%	36	0.01	0
170	0.1%	30	0.02	0
	0.0%	28	0.01	0
	0.0%	28	0.02	0
	0.1%	32	0.01	0
	0.1%	30	0.00	0
	0.0%	26	0.01	0
	0.0%	34	0.05	0
	0.1%	60	0.03	0
	0.2%	46	0.03	0
	0.0%	40	0.02	0
180	0.1%	48	0.01	0
	0.1%	60	0.03	0
	0.1%	34	0.03	0
	0.2%	50	0.02	0
	0.1%	40	0.01	0
	0.0%	40	0.08	0
	0.2%	110	0.02	0
	0.1%	60	0.02	0
	0.2%	64	0.03	0
	0.1%	36	0.01	0
190	0.1%	54	0.02	0
	0.1%	66	0.03	0
	0.1%	40	0.02	0
	0.0%	32	0.06	0
	0.1%	110	0.07	0
	0.2%	116	0.03	0
	0.3%	32	0.02	0
	0.2%	48	0.02	0
	0.1%	46	0.03	0
	0.1%	48	0.02	0

200	0.1%	58	0.02	0
	0.1%	46	0.02	0
	0.1%	42	0.02	0
	0.1%	32	0.01	0
	0.2%	66	0.03	0
	0.2%	48	0.03	0
	0.2%	76	0.03	0
	0.1%	60	0.02	0
	0.1%	50	0.02	0
	0.3%	64	0.04	0
210	0.3%	50	0.03	0
	0.2%	68	0.02	0
	0.1%	68	0.03	0
	0.1%	60	0.03	0
	0.1%	36	0.03	0
	0.0%	46	0.02	0
	0.0%	40	0.02	0
	0.3%	168	0.09	0
	0.3%	112	0.07	0
	0.3%	68	0.04	0
220	0.1%	82	0.03	0
	0.3%	76	0.03	0
	0.1%	42	0.02	0
	0.3%	70	0.03	0
	0.2%	66	0.04	0
	0.2%	90	0.03	0
	0.3%	64	0.04	0
	0.1%	84	0.04	0
	0.2%	90	0.03	0
	0.2%	70	0.03	0
230	0.2%	68	0.03	0
	0.1%	68	0.04	0
	0.2%	124	0.06	0
	0.3%	80	0.04	0

	0.3%	64	0.07	0
	0.3%	90	0.05	0
	0.3%	116	0.05	0
	0.2%	62	0.04	0
	0.3%	90	0.05	0
	0.1%	88	0.04	0
240	0.2%	98	0.06	0
	0.3%	30	0.04	0
	0.3%	72	0.03	0
	0.1%	82	0.02	0
	0.1%	152	0.11	0
	0.3%	128	0.06	0
	0.1%	30	0.03	0
	0.3%	116	0.02	0
	0.1%	42	0.02	0
	0.1%	30	0.02	0
250	0.1%	36	0.01	0
	0.0%	30	0.01	0
	0.1%	48	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.01	0
	0.1%	26	0.01	0
	0.1%	36	0.01	0
	0.1%	40	0.02	0
	0.1%	48	0.02	0
	0.0%	22	0.01	0
260	0.1%	50	0.02	0
	0.1%	46	0.02	0
	0.1%	44	0.02	0
	0.1%	26	0.02	0
	0.1%	46	0.02	0
	0.1%	44	0.02	0
	0.1%	34	0.02	0
	0.0%	26	0.01	0

	0.0%	28	0.01	0
	0.1%	46	0.02	0
270	0.1%	22	0.01	0
	0.0%	60	0.01	0
	0.0%	32	0.05	0
	0.1%	78	0.01	0
	0.2%	72	0.04	0
	0.1%	40	0.01	0
	0.1%	58	0.02	0
	0.1%	42	0.01	0
	0.1%	34	0.01	0
	0.1%	46	0.02	0
280	0.1%	60	0.02	0
	0.1%	50	0.06	0
	0.3%	70	0.01	0
	0.2%	60	0.03	0
	0.1%	56	0.03	0
	0.2%	36	0.01	0
	0.1%	24	0.01	0
	0.1%	26	0.01	0
	0.0%	22	0.02	0
	0.0%	22	0.01	0
290	0.1%	54	0.02	0
	0.1%	32	0.01	0
	0.1%	36	0.03	0
	0.1%	38	0.02	0
	0.2%	40	0.03	0
	0.1%	42	0.01	0
	0.1%	32	0.01	0
	0.1%	24	0.01	0

Tabela 31: 500 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.1%	120	0.07	0
	0.5%	60	0.14	0
	0.7%	20	0.08	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.1%	20	0.01	0
10	0.0%	20	0.01	0
	0.1%	20	0.02	0
	0.3%	20	0.06	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.1%	20	0.02	0
	0.0%	20	0.01	0
	0.1%	20	0.02	0
	0.1%	20	0.02	0
	0.0%	20	0.01	0
20	0.0%	20	0.01	0
	0.1%	20	0.02	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.1%	20	0.03	0
30	0.4%	40	0.03	0
	0.0%	20	0.01	0

	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.1%	20	0.01	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
40	0.1%	20	0.02	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.01	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
50	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.01	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.0%	20	0.00	0
	0.4%	40	0.09	0
60	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.00	0
	0.0%	20	0.01	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0

	0.0%	20	0.01	0
	0.2%	24	0.03	0
	0.0%	24	0.01	0
	0.1%	28	0.01	0
70	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	28	0.01	0
	0.2%	32	0.03	0
	0.1%	32	0.01	0
	0.0%	32	0.01	0
	0.1%	32	0.01	0
	0.0%	36	0.01	0
	0.1%	40	0.01	0
	0.0%	36	0.01	0
80	0.1%	36	0.01	0
	0.0%	40	0.01	0
	0.1%	44	0.02	0
	0.1%	48	0.01	0
	0.1%	52	0.02	0
	0.1%	56	0.02	0
	0.1%	64	0.03	0
	0.1%	76	0.03	0
	0.1%	80	0.03	0
	0.2%	80	0.05	0
90	0.4%	78	0.04	0
	0.1%	76	0.03	0
	0.2%	80	0.03	0
	0.2%	82	0.04	0
	0.2%	82	0.03	0
	0.6%	88	0.10	0
	0.3%	92	0.05	0
	0.3%	98	0.05	0
	0.2%	100	0.04	0
	0.2%	102	0.04	0

100	0.5%	102	0.09	0
	0.3%	112	0.06	0
	0.6%	112	0.11	0
	0.6%	134	0.10	0
	0.4%	138	0.07	0
	0.3%	146	0.06	0
	0.4%	138	0.07	0
	0.5%	154	0.08	0
	0.4%	168	0.07	0
	0.4%	164	0.08	0
110	0.4%	160	0.07	0
	0.5%	152	0.09	0
	1.0%	144	0.22	0
	0.5%	146	0.07	0
	0.6%	146	0.09	0
	0.4%	144	0.08	0
	0.4%	152	0.06	0
	0.4%	162	0.07	0
	0.2%	176	0.07	0
	0.9%	176	0.25	0
120	1.7%	416	0.24	0
	1.0%	216	0.11	0
	0.6%	228	0.11	0
	0.7%	228	0.12	0
	0.6%	234	0.10	0
	0.7%	252	0.12	0
	0.7%	264	0.12	0
	1.0%	264	0.16	0
	0.7%	278	0.12	0
	0.7%	284	0.12	0
130	0.8%	282	0.13	0
	0.9%	270	0.15	0
	0.6%	266	0.11	0
	0.8%	260	0.12	0

	0.6%	258	0.11	0
	0.8%	260	0.13	0
	0.7%	254	0.11	0
	0.7%	262	0.12	0
	0.7%	268	0.12	0
	0.9%	288	0.15	0
140	0.9%	296	0.14	0
	0.8%	298	0.14	0
	1.1%	302	0.17	0
	0.9%	306	0.16	0
	0.8%	298	0.14	0
	0.8%	310	0.14	0
	1.0%	306	0.15	0
	0.8%	316	0.15	0
	0.5%	324	0.15	0
	2.2%	316	0.53	0
150	1.9%	318	0.27	0
	1.2%	320	0.15	0
	1.0%	326	0.17	0
	0.9%	328	0.16	0
	1.0%	334	0.15	0
	0.8%	326	0.14	0
	0.5%	322	0.21	0
	2.8%	688	0.37	0
	1.2%	360	0.17	0
	1.6%	382	0.26	0
160	1.4%	412	0.24	0
	1.3%	430	0.24	0
	1.4%	442	0.22	0
	1.8%	454	0.29	0
	2.4%	476	0.41	0
	1.5%	502	0.24	0
	1.6%	532	0.28	0
	1.9%	548	0.32	0

	2.0%	578	0.33	0
	1.9%	590	0.31	0
170	3.5%	598	0.79	0
	4.1%	598	0.55	0
	2.4%	616	0.34	0
	2.9%	630	0.52	0
	2.1%	686	0.35	0
	2.8%	686	0.46	0
	2.4%	718	0.39	0
	1.2%	728	0.37	0
	3.8%	1486	1.16	0
	3.1%	752	0.38	0
180	2.0%	758	0.35	0
	2.3%	766	0.37	0
	2.3%	792	0.38	0
	2.8%	806	0.47	0
	2.2%	792	0.37	0
	1.4%	812	0.49	0
	4.3%	1638	1.06	0
	4.1%	1568	0.82	0
	3.2%	794	0.40	0
	2.5%	790	0.40	0
190	2.3%	792	0.38	0
	2.2%	786	0.38	0
	2.2%	786	0.37	0
	2.3%	804	0.39	0
	2.4%	818	0.40	0
	2.3%	810	0.39	0
	2.5%	816	0.40	0
	2.3%	808	0.41	0
	2.3%	826	0.37	0
	2.3%	854	0.39	0
200	2.4%	842	0.40	0
	3.0%	872	0.51	0

	2.7%	898	0.46	0
	2.6%	928	0.44	0
	2.8%	978	0.47	0
	1.6%	1012	0.49	0
	2.4%	1046	1.06	0
	5.3%	3236	1.62	0
	5.5%	2256	1.16	0
	4.1%	1168	0.61	0
210	3.7%	1184	0.60	0
	4.0%	1214	0.73	0
	4.2%	1224	0.63	0
	3.5%	1274	0.62	0
	4.5%	1302	0.79	0
	4.4%	1312	0.66	0
	4.1%	1312	0.67	0
	4.4%	1294	0.77	0
	3.9%	1286	0.63	0
	4.5%	1302	0.74	0
220	2.3%	1300	0.65	0
	5.9%	2636	1.34	0
	4.5%	1292	0.67	0
	6.3%	1298	1.41	0
	4.9%	1266	0.77	0
	4.3%	1190	0.64	0
	4.1%	1172	0.67	0
	3.5%	1140	0.59	0
	3.4%	1090	0.56	0
	4.2%	1044	0.70	0
230	3.1%	1014	0.52	0
	1.6%	980	0.53	0
	4.4%	1888	1.46	0
	4.9%	1810	0.98	0
	1.5%	892	0.45	0
	4.6%	1808	0.87	0

	3.4%	920	0.46	0
	2.9%	936	0.48	0
	2.9%	936	0.49	0
	3.0%	954	0.50	0
240	3.0%	950	0.48	0
	2.9%	946	0.48	0
	2.6%	940	0.42	0
	2.9%	940	0.48	0
	2.7%	938	0.44	0
	2.6%	936	0.44	0
	2.9%	916	0.47	0
	2.7%	928	0.44	0
	2.6%	924	0.46	0
	2.6%	912	0.41	0
250	2.8%	904	0.47	0
	2.3%	908	0.40	0
	2.9%	912	0.47	0
	2.5%	902	0.41	0
	2.6%	906	0.47	0
	1.7%	914	0.47	0
	3.5%	914	0.44	0
	2.8%	924	0.47	0
	1.5%	928	0.48	0
	4.0%	1846	1.33	0
260	6.0%	1862	1.15	0
	3.7%	924	0.49	0
	2.8%	896	0.47	0
	2.9%	894	0.47	0
	3.0%	896	0.51	0
	2.5%	886	0.42	0
	2.5%	876	0.40	0
	2.3%	856	0.41	0
	2.3%	844	0.38	0
	2.4%	826	0.41	0

270	2.7%	814	0.43	0
	2.3%	824	0.39	0
	2.6%	836	0.43	0
	2.4%	832	0.41	0
	2.6%	852	0.42	0
	1.3%	864	0.46	0
	4.5%	1738	0.84	0
	2.6%	866	0.40	0
	3.7%	858	0.68	0
	3.9%	862	0.48	0
280	2.4%	842	0.40	0
	2.4%	830	0.40	0
	2.6%	830	0.42	0
	2.4%	844	0.40	0
	2.7%	864	0.44	0
	2.8%	884	0.47	0
	1.5%	888	0.45	0
	3.2%	874	0.94	0
	5.4%	1764	1.04	0
	3.6%	884	0.46	0
290	2.5%	874	0.42	0
	2.6%	848	0.45	0
	1.5%	842	0.40	0
	2.9%	852	0.46	0
	3.3%	868	0.49	0
	2.6%	864	0.39	0
	1.8%	870	0.41	0
	0.1%	858	0.46	0

Tabela 32: 500 Objetos Pre-Runtime Circle OnTriggerEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory

10				
30				
	0.5%	4	0.09	0
40				
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%			
50				

		8	0.00	
	0.0%	8		
60				
				0
				0
	0.0%	8	0.00	
		2	0.00	0
	0.0%		0.00	0
	0.0%	2	0.00	0
		2		0
70		2		
	0.0%		0.00	
			0.00	0
		6	0.00	0
		2		
	0.0%			
	0.0%			
			0.00	0
		6	0.00	
80		2		
	0.0%			
			0.00	
		4		
	0.0%			0

	0.0%		0.00	0
90		6		
			0.00	
	0.0%	2		0
			0.00	
	0.0%			0
	0.0%			
		6	0.00	
100				
				0
	0.0%			0
	0.0%	4	0.00	
		2	0.00	0
	0.0%	2		0
	0.0%		0.00	
		2		0
	0.0%		0.00	0
	0.0%	4	0.00	0
110	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
		2	0.00	0
	0.0%	2	0.00	
		2		0
		4	0.00	
			0.00	
	0.0%	2	0.00	
				0
120	0.0%			
				0

	0.0%	2		
	0.0%		0.00	0
	0.0%	6		0
	0.0%		0.00	0
	0.0%	4	0.00	0
		2	0.00	0
		2	0.00	
		2		
130				0
			0.00	
		2	0.00	
	0.0%			
	0.0%			
				0
			0.00	
				0
140		2		
	0.0%		0.00	
	0.0%			
	0.0%	2		0
		2	0.00	0
	0.0%	2	0.00	
				0
	0.0%			
150		2	0.00	0
	0.0%		0.00	
		2		0
			0.00	0
	0.0%	2		
	0.0%	2	0.00	

	0.0%	2	0.00	0
	0.0%			0
		2	0.00	
160		2	0.00	
	0.0%	4	0.00	0
	0.0%		0.00	0
				0
	0.0%			
		2		0
	0.0%	2	0.00	
			0.00	0
	0.0%	2		
			0.00	0
170		2	0.00	
		2	0.00	
			0.00	
	0.0%			
	0.0%			
				0
180				
		2		
		2	0.00	
	0.0%			
			0.00	0
	0.0%			0
		2		
		2		

190			0.00	
		2		
			0.00	
	0.0%			0
	0.0%			
				0
	0.0%			
				0
		2		
200	0.0%		0.00	
	0.0%	2	0.00	
		2	0.00	0
				0
	0.0%	2	0.00	
			0.00	
				0
	0.0%	4		
210				
		4		
		2	0.00	
			0.00	
				0
	0.0%			0
220				
		2		
	0.0%		0.00	0

	0.0%			
		2		
			0.00	
230			0.00	
				0
	0.0%			0
240				
			0.00	
	0.0%			0
	0.0%			0
	0.0%	2		0
		2		
250				
	0.0%	4	0.00	0
			0.00	
		2	0.00	
			0.00	

260				
	0.0%			0
	0.0%			
270		2		
			0.00	
280				
				0
	0.0%			0
		2		
			0.00	
290				

Tabela 33: 500 Objetos Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.6%	4		
	0.0%	4		
		4		
			0.00	0
				0
	0.0%			
70	0.0%	8		

			0.00	
			0.00	0
			0.00	0
80	0.0%	2	0.00	
	0.0%	2		0
	0.0%	4		0
		4		0
		10		
90				
			0.00	
			0.00	
	0.0%		0.00	0
100		2		
		2		
	0.0%		0.00	0

	0.0%		0.00	0
	0.0%		0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	
110		2	0.00	
		2		
				0
	0.0%			0
	0.0%		0.00	0
120	0.0%	4	0.00	0
			0.00	
	0.0%	4		0
	0.0%		0.00	
				0
	0.0%	2	0.00	
	0.0%	2		0
130	0.0%			
	0.0%			
		2	0.00	0
		2	0.00	0
		2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		

140				
			0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
		2		
	0.0%		0.00	0
150		2		0
				0
	0.0%			
		2	0.00	
	0.0%		0.00	0
	0.0%	4		
		2		0
160			0.00	0
	0.0%		0.00	
		2		
	0.0%			0
		2	0.00	
	0.0%	4		0
				0
		2		
		2	0.00	0
170	0.0%			
	0.0%			
		2		
			0.00	0

		2	0.00	
	0.0%			
				0
			0.00	
	0.0%		0.00	
180				
	0.0%	2	0.00	
	0.0%	2	0.00	0
	0.0%			0
		2		
190				
			0.00	
	0.0%			0
				0
200				
			0.00	
	0.0%	2		
	0.0%			0
	0.0%		0.00	
		2	0.00	
		2		0

	0.0%	4		0
	0.0%			0
210				
			0.00	
			0.00	
		2		
	0.0%		0.00	0
	0.0%			0
		2	0.00	
		2		
	0.0%	2		0
220				
			0.00	
	0.0%	2	0.00	0
			0.00	
	0.0%	2	0.00	0
			0.00	0
230				
240				
	0.0%	2		
			0.00	0
	0.0%			
			0.00	0

250				
260				
		2		
	0.0%			
			0.00	
			0.00	
		2		
270	0.0%	2		0
	0.0%			
280		2		0
	0.0%		0.00	
		2	0.00	0
	0.0%			
	0.0%		0.00	
290				

		2		0
		2		
	0.0%		0.00	
			0.00	
				0
		2		

Tabela 34: 500 Objetos Pre-Runtime Circle OnTriggerStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
30				
	0.6%	4	0.00	0
40	0.0%	4	0.00	0
	0.0%	4	0.00	0

	0.1%	12	0.00	0
	0.1%	4	0.01	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.1%	12	0.01	0
	0.0%	10	0.00	0
	0.1%	12	0.01	0
50	0.1%	12	0.00	0
	0.1%	12	0.00	0
	0.0%	12		0
	0.0%	12	0.07	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.1%	12	0.01	0
	0.1%		0.01	0
	0.0%	20	0.01	0
	0.1%	16	0.00	0
60	0.1%	24	0.01	0
	0.1%	26	0.01	0
	0.0%	20	0.01	0
	0.1%	28	0.01	0
	0.0%	28	0.01	0
	0.0%	28	0.01	
	0.0%	28	0.01	0
		34	0.01	0
	0.1%	34	0.01	0
	0.0%	30	0.01	0
70	0.0%	44	0.01	0
	0.1%	30	0.01	0
	0.0%	44	0.01	0
	0.0%	44	0.00	0
	0.1%	24	0.01	0
	0.0%	44	0.02	0

	0.0%	24	0.01	0
	0.0%	44	0.01	0
	0.1%	24	0.02	0
	0.1%	24	0.02	0
80	0.1%	24	0.02	0
	0.1%	62	0.01	0
	0.0%	30	0.02	0
	0.3%	62	0.04	0
	0.0%	62	0.01	0
	0.0%	32	0.01	0
	0.0%	32	0.02	0
	0.0%	62	0.01	0
	0.0%	40	0.02	0
	0.0%	62	0.02	0
90	0.1%	40	0.02	0
	0.2%	44	0.02	0
	0.1%	64	0.02	0
	0.1%	38	0.03	0
	0.1%	44	0.02	0
	0.1%	64	0.02	0
	0.1%	44	0.02	0
	0.1%	64	0.02	0
	0.2%	44	0.02	0
	0.1%	44	0.02	0
100	0.2%	48	0.02	0
	0.2%	42	0.02	0
	0.1%	42	0.02	0
	0.1%	40	0.02	0
	0.1%	64	0.01	0
	0.1%	64	0.03	0
	0.1%	42	0.03	0
	0.1%	58	0.03	0
	0.1%	48	0.02	0
	0.1%	54	0.02	0

110	0.3%	56	0.08	0
	0.2%	62	0.02	0
	0.3%	62	0.03	0
	0.1%	64	0.03	0
	0.1%	70	0.03	0
	0.1%	68	0.02	0
	0.1%	66	0.02	0
	0.0%	60	0.02	0
	0.1%	62	0.05	0
	0.2%	58	0.05	0
120	0.1%	118	0.03	0
	0.3%	58	0.02	0
	0.2%	64	0.03	0
	0.1%	64	0.02	0
	0.1%	70	0.03	0
	0.1%	68	0.03	0
	0.1%	70	0.03	0
	0.2%	70	0.03	0
	0.2%	70	0.03	0
	0.2%	70	0.03	0
130	0.1%	70	0.03	0
	0.1%	62	0.03	0
	0.2%	72	0.03	0
	0.1%	72	0.03	0
	0.2%	72	0.03	0
	0.1%	70	0.03	0
	0.4%	68	0.03	0
	0.2%	68	0.06	0
	0.2%	68	0.03	0
	0.1%	70	0.03	0
140	0.1%	62	0.03	0
	0.1%	66	0.04	0
	0.1%	64	0.02	0
	0.1%	62	0.03	0

	0.1%	60	0.03	0
	0.1%	60	0.02	0
	0.2%	62	0.02	0
	0.1%	60	0.04	0
	0.2%	62	0.02	0
	0.1%	60	0.03	0
150	0.1%	62	0.03	0
	0.1%	66	0.03	0
	0.2%	62	0.03	0
	0.2%	64	0.03	0
	0.1%	64	0.04	0
	0.1%	64	0.03	0
	0.2%	66	0.03	0
	0.1%	60	0.03	0
	0.1%	62	0.03	0
	0.3%	64	0.03	0
160	0.5%	66	0.03	0
	0.4%	62	0.07	0
	0.2%	62	0.04	0
	0.1%	66	0.04	0
	0.2%	64	0.03	0
	0.1%	62	0.02	0
	0.1%	64	0.03	0
	0.1%	66	0.03	0
	0.2%	66	0.02	0
	0.2%	64	0.03	0
170	0.2%	66	0.03	0
	0.1%	66	0.03	0
	0.3%	66	0.03	0
	0.4%	66	0.03	0
	1.2%	64	0.10	0
	0.2%	64	0.16	0
	0.1%	64	0.03	0
	0.1%	68	0.03	0

	0.2%	64	0.03	0
	0.3%	62	0.03	0
180	0.1%	64	0.03	0
	0.1%	62	0.03	0
	0.3%	122	0.03	0
	0.3%	62	0.11	0
	0.2%	62	0.14	0
	0.1%	62	0.03	0
	0.2%	64	0.03	0
	0.1%	62	0.03	0
	0.2%	62	0.03	0
	0.1%	62	0.03	0
190	0.3%	64	0.03	0
	0.3%	64	0.03	0
	0.2%	132	0.08	0
	0.2%	64	0.03	0
	0.2%	132	0.07	0
	0.2%	66	0.03	0
	0.2%	66	0.03	0
	0.2%	68	0.03	0
	0.1%	64	0.06	0
	0.2%	64	0.03	0
200	0.1%	66	0.03	0
	0.2%	66	0.03	0
	0.2%	68	0.14	0
	0.1%	60	0.03	0
	0.2%	68	0.03	0
	0.2%	68	0.03	0
	0.1%	68	0.03	0
	0.1%	120	0.14	0
	0.1%	70	0.04	0
	0.2%	62	0.03	0
210	0.1%	68	0.02	0
	0.4%	64	0.03	0

	0.3%	64	0.05	0
	0.2%	68	0.08	0
	0.2%	62	0.14	0
	0.2%	68	0.07	0
	0.1%	64	0.03	0
	0.2%	68	0.06	0
	0.1%	132	0.03	0
	0.2%	62	0.03	0
220	0.1%	64	0.03	0
	0.2%	64	0.03	0
	0.1%	64	0.06	0
	0.2%	64	0.03	0
	0.1%	62	0.03	0
	0.2%	68	0.03	0
	0.3%	62	0.02	0
	0.2%	62	0.03	0
	0.2%	62	0.06	0
	0.2%	60	0.03	0
230	0.1%	64	0.06	0
	0.2%	64	0.03	0
	0.1%	62	0.02	0
	0.1%	60	0.03	0
	0.3%	60	0.03	0
	0.2%	120	0.03	0
	0.1%	120	0.02	0
	0.1%	132	0.07	0
	0.0%	60	0.06	0
	0.2%	120	0.03	0
240	0.3%	60	0.09	0
	0.1%	60	0.03	0
	0.2%	66	0.03	0
	0.1%	60	0.03	0
	0.1%	60	0.02	0
	0.1%	60	0.03	0

	0.2%	60	0.02	0
	0.1%	62	0.02	0
	0.1%	60	0.03	0
	0.2%	120	0.03	0
250	0.1%	62	0.03	0
	0.1%	120	0.03	0
	0.1%	60	0.03	0
	0.1%	126	0.03	0
	0.2%	122	0.03	0
	0.2%	68	0.04	0
	0.1%	60	0.03	0
	0.1%	68	0.03	0
	0.2%	60	0.03	0
	0.2%	60	0.04	0
260	0.2%	58	0.05	0
	0.1%	58	0.07	0
	0.1%	58	0.03	0
	0.1%	60	0.03	0
	0.2%	62	0.03	0
	0.1%	62	0.04	0
	0.4%	132	0.03	0
	0.3%	66	0.03	0
	0.2%	132	0.04	0
	0.1%	66	0.03	0
270	0.2%	66	0.03	0
	0.2%	68	0.03	0
	0.2%	66	0.03	0
	0.2%	66	0.02	0
	0.2%	68	0.03	0
	0.2%	68	0.03	0
	0.1%	68	0.06	0
	0.1%	68	0.04	0
	0.2%	68	0.06	0
	0.1%	68	0.03	0

280	0.2%	132	0.03	0
	0.1%	132	0.02	0
	0.3%	126	0.03	0
	0.2%	126	0.03	0
	0.3%	66	0.03	0
	0.2%	66	0.03	0
	0.1%	66	0.03	0
	0.1%	64	0.03	0
	0.2%	66	0.08	0
	0.1%	66	0.08	0
290	0.2%	66	0.03	0
	0.1%	66	0.03	0
	0.1%	66	0.03	0
	0.2%	66	0.02	0
	0.4%	66	0.03	0
	0.2%	66	0.03	0
	0.2%	64	0.03	0
	0.1%	64	0.03	0

Tabela 35: 500 Objetos Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	11.3%	3	6.11	426600
	7.3%	1	7.00	213300
	7.3%	1	2.79	71100
	28.6%	1	2.06	71100
	28.6%	1	2.41	71100
	26.1%	1	1.70	71100
	14.8%	1	1.70	71100
	10.6%	1	1.36	71100
10	8.4%	1	2.35	71100
	13.8%	1	1.38	71100

	8.9%	1	1.64	71100
	9.1%	1	1.49	71100
	14.9%	1	2.58	71100
	8.9%	1	1.37	71100
	50.6%	1	1.41	71100
	50.6%	1	1.34	5000000
	8.3%	1	2.31	71100
	8.2%	1	1.41	5000000
20	12.7%	1	8.32	71100
	12.7%	1	1.39	71100
	9.3%	1	8.32	71100
	8.5%	1	1.19	71100
	7.4%	1	1.90	92500
	10.8%	1	1.90	71100
	7.5%	1	1.91	71100
	7.3%	1	1.44	71100
	7.3%	1	1.19	71100
	11.7%	1	1.91	71100
30	8.0%	1	1.26	71100
	16.0%	2	1.22	142200
	35.9%	1	1.93	71100
	8.0%	1	1.27	71100
	9.2%	1	3.78	71100
	8.0%	1	2.04	71100
	12.1%	1	1.40	71100
	9.5%	1	1.38	71100
	12.8%	1	2.01	71100
	9.2%	1	1.56	71300
40	9.4%	1	2.06	92500
	20.5%	1	1.53	92500
	11.0%	1	6.26	71100
	9.1%	1	6.26	170600
	20.5%	1	2.06	71100
	7.7%	1	12.97	71100

	10.7%	1	1.52	71100
	8.0%	1	12.97	71100
	7.3%	1	1.44	71100
	10.7%	1	1.44	71300
50	7.3%	1	1.90	71100
	11.5%	1	1.41	71100
	8.1%	1	1.45	71100
	12.8%	1	1.22	71100
	7.6%	1	1.28	71100
	12.8%	1	5.70	71100
	10.9%	1	1.29	71100
	7.7%	1	5.70	170600
	9.0%	1	1.30	71100
	15.4%	1	1.30	170600
60	12.1%	1	1.89	71100
	8.0%	1	1.91	71300
	7.6%	1	1.26	
		1	1.91	376800
	27.0%		1.35	71100
	12.4%	2	2.06	71100
	9.7%	1	1.41	71100
	8.0%	1	1.27	71100
	8.8%	1	1.41	92500
	10.5%	1	1.26	71100
70	14.2%	1		92500
	15.4%	1	6.43	92500
	9.2%	1	1.93	99500
	11.6%	1	2.25	99500
	15.4%	1	6.26	99500
	9.3%	1	1.39	99500
	13.6%	1	2.26	376800
	15.7%	1	1.44	113800
	10.4%	1	1.48	113800
	12.8%	1	6.26	376800

80	13.4%	1	1.69	128000
	9.6%	1	2.36	128000
	10.7%	1	1.44	128000
	12.8%	1	1.47	700000
	11.1%	1	1.93	170600
	8.4%	1	2.39	142200
	13.1%	1	1.61	156400
	9.0%	1	1.93	156400
	10.1%	1	1.66	170600
	15.7%	1	1.67	184800
90	11.8%	1	1.62	270200
	10.3%	1	1.41	284400
	9.1%	1	2.74	700000
	15.7%	1	2.18	284400
	8.0%	1	1.44	284400
	15.4%	1	2.21	284400
	15.4%	1	1.41	700000
	21.4%	1	1.67	305700
	14.7%	1	2.09	376800
	15.5%	1	1.63	313000
100	9.9%	1	2.36	305700
	15.4%	1	2.74	334100
	12.5%	1	3.51	355500
	12.8%	1	2.06	1100000
	14.4%	1	2.70	362600
	11.7%	1	2.74	376800
	15.5%	1	1.93	405200
	12.4%	1	2.64	412300
	14.9%	1	2.08	440800
	15.7%	1	2.03	433700
110	16.8%	1	2.51	497700
	15.5%	1	2.95	497700
	12.2%	1	1.93	1100000
	17.8%	1	1.91	500000

	12.2%	1	3.42	500000
	15.7%	1	2.43	700000
	12.8%	1	2.16	600000
	16.5%	1	2.95	600000
	12.6%	1	2.89	1100000
	23.4%	1	2.74	700000
120	21.8%	1	2.10	700000
	12.9%	1	2.66	700000
	16.4%	1	2.95	600000
	12.6%	1	2.05	1200000
	16.5%	1	2.10	600000
	15.5%	1	5.16	700000
	13.1%	1	2.74	700000
	9.5%	1	2.01	800000
	19.0%	1	2.78	1200000
	41.4%	1	2.62	1100000
130	21.2%	2	2.07	1600000
	16.5%	1	2.10	900000
	15.5%	1	2.66	900000
	19.7%	1	5.75	900000
	19.0%	1	2.62	1000000
	17.2%	1	2.95	1200000
	25.3%	1	2.30	1000000
	16.5%	1	2.33	1100000
	17.2%	1	3.05	1100000
	20.7%	1	2.68	1100000
140	25.3%	1	3.62	1100000
	17.8%	1	2.62	1000000
	19.4%	1	2.90	1000000
	16.4%	1	2.95	2800000
	19.8%	1	3.65	1000000
	25.3%	1	2.83	1200000
	16.5%	1	2.92	1000000
	15.8%	1	4.78	1000000

	18.7%	1	2.62	2800000
	17.5%	1	2.60	1000000
150	15.6%	1	4.78	1000000
	19.1%	1	2.68	1100000
	25.3%	1	2.66	1100000
	16.1%	1	2.60	1200000
	18.9%	1	3.31	2800000
	19.8%	1	2.76	1100000
	28.2%	1	2.62	1200000
	9.9%	1	4.78	1200000
	28.2%	1	3.28	1200000
	23.6%	1	2.69	2800000
160	43.5%	1	2.92	1300000
	34.9%	1	3.43	1300000
	22.4%	1	2.97	1200000
	25.3%	1	4.78	1200000
	21.7%	1	5.67	2500000
	47.0%	1	6.25	2500000
	28.2%	2	3.60	1200000
	54.1%	1	6.52	1300000
	28.2%	1	6.52	1300000
	25.6%	1	4.43	1300000
170	25.3%	1	3.84	2800000
	23.6%	1	17.88	1500000
	27.5%	1	7.10	1600000
	27.5%	1	4.78	2500000
	39.1%	1	4.14	1700000
	24.6%	1	6.52	1800000
	39.1%	2	4.98	2500000
	26.1%	1	3.75	1800000
	30.9%	1	6.52	1900000
	27.1%	2	4.70	2100000
180	28.2%	1	4.09	2100000
	37.4%	1	4.44	6200000

	46.4%	1	4.44	2300000
	33.1%	1	5.63	2400000
	39.1%	1	4.55	6200000
	36.8%	2	8.51	2500000
	39.1%	2	5.63	2700000
	33.2%	1	6.26	2700000
	37.0%	2	4.79	2800000
	33.0%	1	6.52	6200000
190	15.5%	1	5.43	2800000
	56.9%	1	5.98	6200000
	47.5%	1	5.28	2800000
	36.6%	1	5.63	3000000
	34.3%	1	4.68	3100000
	37.6%	1	17.33	3100000
	34.3%	1	5.63	3100000
	36.2%	2	5.89	3200000
	39.1%	2	6.29	3200000
	34.3%	1	6.13	3200000
200	63.8%	1	5.62	6300000
	57.5%	1	6.55	6200000
	34.3%	1	22.15	3100000
	45.4%	1	12.67	3100000
	34.1%	1	5.80	3100000
	37.8%	1	5.63	3100000
	32.6%	1	5.49	3100000
	34.3%	1	5.40	3100000
	47.8%	1	5.68	3200000
	35.7%	1	5.41	3200000
210	31.8%	1	5.90	3200000
	34.9%	1	5.59	3300000
	34.9%	1	5.75	3300000
	34.3%	1	6.25	3300000
	37.2%	1	6.54	3500000
	50.6%	1	6.44	5000000

	39.2%	1	8.32	3800000
	50.6%	1	8.32	5000000
	50.6%	1	8.32	3900000
	37.7%	1	22.79	5000000
220	45.9%	1	14.86	4000000
	39.1%	2	13.63	7400000
	45.9%	1	7.98	12500000
	67.0%	1	13.63	8800000
	74.4%	1	5.80	4600000
	70.1%	1	5.80	7400000
	57.9%	1	5.80	4700000
	49.5%	1	8.33	4700000
	46.8%	1	8.86	4800000
	55.2%	1	8.43	4900000
230	49.4%	1	8.26	5000000
	37.8%	1	8.78	5000000
	61.9%	1	8.32	7400000
	50.6%	1	13.63	5000000
	37.8%	1	20.67	5000000
	47.8%	2	8.26	5000000
	37.8%	1	9.12	5000000
	45.9%	1	8.10	4900000
	56.6%	1	7.70	4700000
	51.2%	1	7.82	4500000
240	52.3%	1	13.63	7400000
	73.4%	1	6.19	4300000
	45.9%	1	7.65	7400000
	57.7%	1	13.63	4099999.9999999995
	45.9%	1	6.19	7400000
	54.4%	1	7.21	7400000
	47.8%	1	13.63	3900000
	45.9%	2	13.63	7400000
	45.9%	2	6.19	7100000
	46.8%	1	13.63	3500000

250	36.9%	1	20.79	7100000
	36.9%	1	12.78	3500000
	45.9%	1	6.11	3600000
	43.3%	1	6.08	3600000
	36.9%	1	6.11	3500000
	35.4%	1	6.07	3500000
	35.4%	1	6.11	3500000
	67.8%	1	6.17	3500000
	67.9%	1	6.19	3500000
	35.4%	1	6.14	3500000
260	37.0%	1	6.19	3400000
	21.1%	1	6.11	3400000
	40.6%	1	6.19	3500000
	38.2%	1	6.19	6900000
	36.4%	1	6.19	3500000
	36.9%	1	6.17	3400000
	38.0%	1	5.89	3300000
	36.9%	1	6.09	3300000
	21.1%	1	6.11	3300000
	36.7%	1	6.14	3200000
270	36.9%	1	6.01	3100000
	36.9%	1	6.13	3100000
	35.7%	1	6.11	3200000
	36.9%	1	6.45	3200000
	37.0%	1	5.89	3200000
	35.4%	2	18.75	6400000
	35.4%	1	6.39	3200000
	35.4%	2	6.11	3200000
	35.4%	1	6.11	3100000
	21.1%	1	6.70	3100000
280	35.4%	1	6.11	3200000
	36.1%	1	6.11	3200000
	35.7%	1	13.22	3300000
	37.3%	1	5.89	3300000

	35.7%	1	5.80	6500000
	21.1%	1	6.23	3300000
	21.1%	1	6.11	3300000
	61.9%	1	5.89	3200000
	21.1%	1	5.89	3200000
	67.2%	1	6.47	3200000
290	35.7%	1	5.89	3200000
	21.1%	1	5.89	3200000
	54.2%	1	5.89	3200000
	39.2%	1	6.15	3200000
	47.8%	1	6.04	
	21.1%	1	5.89	
	37.8%	1	5.79	
	35.7%	1	5.69	

A.1.6 MIL OBJETOS

Tabela 36: 1000 Objetos Pre-Runtime Circle OnCollisionEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				

	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%			
70		4	0.00	0
	0.0%	4	0.00	0
	0.0%	4		
			0.01	0
	0.0%	4		0
			0.00	
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
80	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.2%	8	0.04	0
	0.0%	6	0.00	0
	0.0%	10	0.00	0
	0.0%	6	0.00	0
	0.0%			
90				
		4	0.01	0
	0.0%	8	0.00	0
	0.0%	4	0.01	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0

	0.0%	8	0.00	0
	0.0%	6	0.00	0
	0.0%	8	0.00	0
100	0.0%	12	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	16	0.00	0
	0.0%	12	0.00	0
	0.0%	18	0.00	0
	0.0%	6	0.00	0
	0.0%	20	0.00	0
	0.0%	14	0.00	0
	0.0%	10	0.00	0
110	0.0%	14	0.00	0
	0.0%	10	0.00	0
	0.0%	18	0.00	0
	0.0%	22	0.01	0
	0.0%	20	0.00	0
	0.0%	14	0.00	0
	0.0%	8	0.00	0
	0.0%	26	0.01	0
	0.0%	26	0.01	0
	0.2%	32	0.04	0
120	0.0%	20	0.00	0
	0.0%	22	0.00	0
	0.0%	16	0.00	0
	0.0%	28	0.00	0
	0.0%	14	0.00	0
	0.0%	16	0.00	0
	0.0%	28	0.01	0
	0.0%	12	0.00	0
	0.0%	18	0.00	0
	0.0%	12	0.00	0
130	0.0%	10	0.00	0

	0.0%	26	0.01	0
	0.0%	16	0.00	0
	0.1%	30	0.01	0
	0.0%	14	0.00	0
	0.0%	14	0.00	0
	0.0%	12	0.00	0
	0.0%	14	0.00	0
	0.0%	20	0.00	0
	0.0%	14	0.00	0
140	0.0%	10	0.00	0
	0.0%	30	0.01	0
	0.0%	20	0.01	0
	0.1%	36	0.01	0
	0.0%	14	0.00	0
	0.0%	28	0.01	0
	0.1%	26	0.01	0
	0.0%	38	0.01	0
	0.1%	32	0.01	0
	0.0%	12	0.00	0
150	0.0%	22	0.01	0
	0.0%	28	0.02	0
	0.0%	38	0.02	0
	0.1%	58	0.01	0
	0.0%	28	0.03	0
	0.2%	34	0.02	0
	0.0%	18	0.01	0
	0.0%	28	0.01	0
	0.2%	58	0.03	0
	0.2%	54	0.02	0
160	0.1%	46	0.02	0
	0.0%	40	0.01	0
	0.1%	30	0.01	0
	0.0%	32	0.01	0
	0.2%	34	0.03	0

	0.1%	44	0.02	0
	0.2%	48	0.02	0
	0.2%	50	0.02	0
	0.1%	54	0.02	0
	0.0%	46	0.07	0
170	0.3%	124	0.04	0
	0.1%	52	0.03	0
	0.2%	52	0.03	0
	0.2%	60	0.04	0
	0.1%	54	0.03	0
	0.4%	136	0.08	0
	0.1%	76	0.04	0
	0.1%	114	0.05	0
	0.0%	42	0.02	0
	0.2%	140	0.07	0
180	0.3%	126	0.07	0
	0.1%	52	0.03	0
	0.1%	126	0.06	0
	0.2%	62	0.03	0
	0.2%	54	0.02	0
	0.0%	36	0.04	0
	0.2%	96	0.06	0
	0.2%	102	0.06	0
	0.1%	106	0.05	0
	0.1%	100	0.04	0
190	0.3%	62	0.04	0
	0.2%	56	0.03	0
	0.1%	64	0.04	0
	0.2%	104	0.06	0
	0.2%	132	0.06	0
	0.2%	136	0.08	0
	0.2%	150	0.08	0
	0.1%	200	0.12	0
	0.3%	578	0.13	0

	0.2%	236	0.15	0
200	0.3%	258	0.38	0
	0.2%	242	0.11	0
	0.2%	276	0.14	0
	0.2%	386	0.20	0
	0.2%	362	0.20	0
	0.2%	434	0.23	0
	0.2%	578	0.29	0
	0.2%	608	0.32	0
	0.2%	680	0.38	0
	0.1%	600	0.31	0
210	0.2%	680	0.35	0
	0.2%	648	0.33	0
	0.2%	774	0.44	0
	0.3%	834	0.53	0
	0.3%	958	0.53	0
	0.2%	912	0.47	0
	0.2%	880	0.48	0
	0.2%	908	0.53	0
	0.3%	890	0.52	0
	0.2%	802	0.47	0
220	0.2%	998	0.55	0
	0.3%	984	0.52	0
	0.2%	834	0.44	0
	0.2%	804	0.40	0
	0.2%	774	0.47	0
	0.2%	838	0.56	0
	0.2%	786	0.39	0
	0.2%	726	0.44	0
	0.3%	588	0.47	0
	0.3%	764	0.42	0
230	0.2%	770	0.32	0
	0.2%	634	0.33	0
	0.3%	716	0.44	0

	0.2%	672	0.34	0
	0.3%	656	0.38	0
	0.2%	586	0.32	0
	0.2%	626	0.38	0
	0.3%	588	0.41	0
	0.1%	526	0.29	0
	0.2%	320	0.32	0
240	0.2%	556	0.31	0
	0.2%	548	0.18	0
	0.1%	506	0.27	0
	0.2%	320	0.21	0
	0.2%	434	0.28	0
	0.1%	458	0.18	0
	0.1%	364	0.17	0
	0.1%	348	0.18	0
	0.1%	384	0.18	0
	0.1%	332	0.22	0
250	0.1%	310	0.19	0
	0.1%	330	0.17	0
	0.1%	284	0.17	0
	0.1%	320	0.14	0
	0.1%	286	0.16	0
	0.1%	360	0.16	0
	0.1%	252	0.18	0
	0.1%	150	0.13	0
	0.1%	278	0.16	0
	0.1%	260	0.06	0
260	0.2%	226	0.12	0
	0.1%	284	0.14	0
	0.1%	262	0.14	0
	0.1%	236	0.12	0
	0.1%	150	0.10	0
	0.1%	150	0.13	0
	0.1%	206	0.06	0

	0.1%	198	0.06	0
	0.1%	166	0.11	0
	0.1%	150	0.08	0
270	0.1%	132	0.08	0
	0.0%	124	0.07	0
	0.1%	32	0.06	0
	0.1%	100	0.05	0
	0.1%	168	0.08	0
	0.1%	132	0.03	0
	0.1%	126	0.07	0
	0.2%	72	0.03	0
	0.0%	88	0.05	0
	0.0%	122	0.05	0
280	0.0%	32	0.06	0
	0.1%	64	0.07	0
	0.1%	32	0.03	0
	0.1%	104	0.04	0
	0.0%	82	0.03	0
	0.1%	66	0.05	0
	0.1%	32	0.02	0
	0.0%	46	0.02	0
	0.0%	46	0.03	0
	0.0%	52	0.07	0
290	0.1%	108	0.03	0
	0.0%	70	0.03	0
	0.0%	42	0.02	0
	0.1%	74	0.04	0
	0.0%	74	0.04	0
	0.1%	72	0.02	0

Tabela 37: 1000 Objetos Pre-Runtime Circle OnCollisionExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
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10				
60				
	1.0%		0.20	0
70				
		2		
	0.0%			0
	0.0%			
	0.0%	2	0.00	
	0.0%	4	0.00	0
		4		0
		4		0
80	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%		0.00	

		2	0.00	0
	0.0%			0
		2		
	0.0%	4		0
90			0.00	
			0.00	
	0.0%	4	0.00	0
			0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
100	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	10	0.00	0
110	0.0%	4	0.00	0
	0.0%	12	0.00	0
	0.0%	24	0.00	0
	0.0%	10	0.01	0
	0.0%	22	0.00	0
	0.1%	16	0.00	0
	0.0%	4	0.01	0

	0.0%	24	0.01	0
	0.1%	4	0.00	0
	0.0%	10	0.00	0
120	0.0%	4	0.00	0
	0.1%	16	0.00	0
	0.0%	10	0.00	0
	0.0%	12	0.00	0
	0.0%	6	0.00	0
	0.0%	14	0.01	0
	0.0%	16	0.00	0
	0.0%	16	0.00	0
	0.0%	12	0.00	0
	0.0%	10	0.00	0
130	0.0%	20	0.00	0
	0.0%	26	0.01	0
	0.0%	16	0.01	0
	0.0%	10	0.00	0
	0.0%	16	0.01	0
	0.0%	16	0.00	0
	0.0%	20	0.00	0
	0.0%	24	0.01	0
	0.0%	22	0.01	0
	0.1%	24	0.00	0
140	0.0%	24	0.01	0
	0.0%	10	0.01	0
	0.0%	26	0.01	0
	0.0%	24	0.01	0
	0.0%	22	0.01	0
	0.0%	20	0.01	0
	0.0%	22	0.00	0
	0.0%	20	0.01	0
	0.0%	24	0.02	0
	0.0%	30	0.00	0
150	0.0%	18	0.00	0

	0.0%	22	0.01	0
	0.0%	44	0.01	0
	0.0%	28	0.01	0
	0.0%	16	0.01	0
	0.0%	14	0.00	0
	0.0%	24	0.01	0
	0.1%	22	0.01	0
	0.0%	24	0.02	0
	0.0%	24	0.01	0
160	0.1%	44	0.01	0
	0.1%	42	0.00	0
	0.1%	22	0.00	0
	0.0%	76	0.01	0
	0.0%	20	0.01	0
	0.1%	26	0.01	0
	0.0%	36	0.01	0
	0.0%	52	0.02	0
	0.1%	38	0.02	0
	0.0%	110	0.01	0
170	0.0%	40	0.04	0
	0.0%	86	0.01	0
	0.0%	34	0.01	0
	0.1%	38	0.01	0
	0.0%	84	0.04	0
	0.2%	70	0.05	0
	0.0%	48	0.01	0
	0.1%	102	0.05	0
	0.1%	50	0.04	0
	0.1%	38	0.01	0
180	0.1%	100	0.04	0
	0.2%	116	0.03	0
	0.0%	114	0.05	0
	0.1%	100	0.03	0
	0.1%	34	0.05	0

	0.0%	38	0.03	0
	0.1%	174	0.02	0
	0.1%	60	0.05	0
	0.1%	174	0.06	0
	0.1%	100	0.05	0
190	0.2%	92	0.01	0
	0.0%	150	0.03	0
	0.1%	106	0.03	0
	0.1%	166	0.03	0
	0.1%	178	0.14	0
	0.1%	174	0.05	0
	0.1%	320	0.14	0
	0.1%	294	0.07	0
	0.2%	424	0.05	0
	0.1%	514	0.10	0
200	0.1%	476	0.11	0
	0.1%	490	0.09	0
	0.1%	976	0.11	0
	0.1%	976	0.14	0
	0.1%	606	0.15	0
	0.1%	726	0.21	0
	0.2%	690	0.26	0
	0.2%	682	0.25	0
	0.2%	680	0.26	0
	0.2%	654	0.31	0
210	0.2%	778	0.38	0
	0.2%	976	0.43	0
	0.2%	1050	0.36	0
	0.2%	832	0.43	0
	0.2%	916	0.36	0
	0.1%	862	0.34	0
	0.1%	740	0.36	0
	0.2%	950	0.38	0
	0.2%	694	0.50	0

	0.2%	964	0.61	0
220	0.2%	928	0.43	0
	0.2%	694	0.47	0
	0.2%	848	0.48	0
	0.2%	880	0.38	0
	0.3%	744	0.48	0
	0.2%	768	0.56	0
	0.2%	780	0.60	0
	0.2%	694	0.33	0
	0.2%	582	0.42	0
	0.2%	568	0.49	0
230	0.2%	676	0.33	0
	0.2%	590	0.40	0
	0.3%	372	0.36	0
	0.2%	586	0.45	0
	0.2%	568	0.37	0
	0.3%	574	0.32	0
	0.2%	518	0.33	0
	0.2%	454	0.40	0
	0.3%	372	0.35	0
	0.3%	510	0.31	0
240	0.2%	422	0.26	0
	0.2%	412	0.18	0
	0.1%	360	0.31	0
	0.2%	372	0.26	0
	0.2%	348	0.22	0
	0.2%	340	0.28	0
	0.2%	344	0.25	0
	0.1%	294	0.18	0
	0.2%	214	0.21	0
	0.1%	296	0.18	0
250	0.1%	342	0.22	0
	0.2%	352	0.20	0
	0.2%	310	0.18	0

	0.1%	248	0.20	0
	0.1%	282	0.14	0
	0.1%	214	0.15	0
	0.1%	306	0.20	0
	0.1%	300	0.08	0
	0.1%	240	0.18	0
	0.2%	214	0.14	0
260	0.1%	184	0.12	0
	0.1%	148	0.17	0
	0.2%	98	0.17	0
	0.1%	190	0.17	0
	0.1%	160	0.08	0
	0.1%	116	0.13	0
	0.2%	118	0.12	0
	0.1%	162	0.11	0
	0.1%	128	0.08	0
	0.1%	110	0.07	0
270	0.1%	122	0.08	0
	0.1%	122	0.06	0
	0.1%	98	0.05	0
	0.0%	58	0.06	0
	0.1%	136	0.11	0
	0.1%	98	0.05	0
	0.1%	66	0.06	0
	0.1%	90	0.05	0
	0.1%	72	0.07	0
	0.2%	84	0.02	0
280	0.1%	58	0.06	0
	0.1%	56	0.06	0
	0.0%	66	0.04	0
	0.1%	74	0.03	0
	0.1%	118	0.06	0
	0.0%	56	0.04	0
	0.1%	30	0.03	0

	0.1%	74	0.05	0
	0.1%	82	0.03	0
	0.0%	72	0.04	0
290	0.1%	52	0.04	0
	0.0%	72	0.07	0
	0.0%	40	0.04	0
	0.1%	84	0.01	0
	0.1%	84	0.06	0
	0.1%	48	0.04	0

Tabela 38: 1000 Objetos Pre-Runtime Circle OnCollisionStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	0.2%	240	0.14	0
	0.1%	120	4.02	0
	0.1%	7302	0.10	0
	0.1%	80	4.02	0
	3.5%	7302	0.05	0
	3.5%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
10	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	4.30	0
	0.1%	40	4.30	0
20	0.1%	40	0.02	0

	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.4%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.4%	40	0.02	0
	0.1%	40	0.02	0
	0.1%	40	0.01	0
30	0.1%	40	0.02	0
	0.0%	40	0.02	0
	0.2%	40	0.01	0
	0.1%	40	0.02	0
	0.1%	80	0.03	0
	0.1%	40	0.02	0
	0.4%	40	0.03	0
	0.1%	40	0.03	0
	0.4%	40	0.03	0
	0.2%	40	0.02	0
40	0.1%	40	0.01	0
	0.0%	40	0.02	0
	0.1%	40	0.01	0
	0.1%	40	0.02	0
	0.1%	40	0.03	0
	0.0%	40	0.01	0
	0.1%	40	0.01	0
	0.1%		0.01	0
	0.0%	40	0.01	0
	0.1%	40	0.01	0
50	0.5%	40	0.09	0
	0.1%	40	0.01	0
	0.0%	40	0.02	0
		40		
	0.0%	40	0.02	0

	0.1%	40	0.01	0
	0.0%	40	0.01	0
	0.1%	46	0.01	0
	0.1%	40	0.03	0
	0.1%	80	0.01	0
60	0.1%	40	0.01	0
	0.1%	40	0.01	0
	0.1%	46	0.02	0
	0.1%	40	0.01	0
	0.0%	40	0.04	0
	0.2%	46	0.02	0
	0.1%	40	0.01	0
	0.1%	40	0.02	0
	0.0%	40	0.01	0
	0.1%	46	0.01	0
70	0.1%	46	0.02	0
	0.0%	46	0.01	0
	0.0%	46	0.01	0
	0.1%	64	0.02	0
	0.1%	54	0.07	0
	0.1%	54	0.01	0
	0.1%	56	0.02	0
	0.2%	56	0.02	0
	0.1%	60	0.03	0
	0.1%	64	0.03	0
80	0.3%	60	0.02	0
	0.1%	64	0.04	0
	0.3%	56	0.04	0
	0.2%	56	0.02	0
	0.2%	60	0.03	0
	0.1%	64	0.02	0
	0.2%	68	0.04	0
	0.1%	70	0.03	0
	0.1%	76	0.04	0

	0.2%	82	0.04	0
90	0.2%	92	0.02	0
	0.2%	114	0.04	0
	0.2%	98	0.03	0
	0.1%	98	0.03	0
	0.2%	94	0.06	0
	0.3%	114	0.11	0
	0.2%	100	0.04	0
	0.7%	102	0.06	0
	0.3%	104	0.05	0
	0.3%	114	0.18	0
100	0.3%	110	0.07	0
	0.6%	114	0.05	0
	0.3%	116	0.06	0
	0.3%	118	0.04	0
	0.2%	128	0.05	0
	0.3%	130	0.05	0
	0.4%	142	0.06	0
	0.2%	168	0.05	0
	0.3%	168	0.05	0
	0.3%	182	0.05	0
110	0.3%	182	0.08	0
	0.3%	184	0.06	0
	0.4%	188	0.08	0
	0.4%	182	0.06	0
	0.4%	246	0.06	0
	0.3%	246	0.07	0
	0.4%	192	0.08	0
	0.3%	190	0.08	0
	0.8%	176	0.07	0
	0.4%	188	0.08	0
120	0.4%	412	0.08	0
	0.5%	218	0.08	0
	0.5%	246	0.09	0

	0.4%	228	0.08	0
	0.4%	246	0.08	0
	0.4%	252	0.09	0
	0.2%	254	0.13	0
	1.4%	274	0.31	0
	0.9%	274	0.13	0
	0.6%	272	0.09	0
130	0.7%	276	0.10	0
	0.7%	274	0.12	0
	0.5%	276	0.11	0
	1.0%	282	0.11	0
	0.7%	568	0.14	0
	0.8%	296	0.13	0
	0.8%	274	0.14	0
	0.6%	294	0.13	0
	0.5%	304	0.12	0
	0.9%	290	0.13	0
140	0.6%	284	0.11	0
	0.9%	274	0.27	0
	0.8%	304	0.13	0
	0.7%	262	0.11	0
	0.5%	334	0.13	0
	1.2%	268	0.13	0
	0.6%	264	0.14	0
	0.6%	290	0.13	0
	0.9%	278	0.11	0
	0.7%	334	0.11	0
150	0.6%	304	0.14	0
	1.4%	286	0.11	0
	1.1%	302	0.13	0
	0.7%	314	0.16	0
	0.9%	304	0.11	0
	0.5%	334	0.21	0
	1.0%	496	0.14	0

	1.4%	304	0.14	0
	0.6%	308	0.17	0
	1.4%	326	0.21	0
160	0.9%	330	0.14	0
	1.8%	620	0.20	0
	1.4%	334	0.17	0
	0.8%	496	0.29	0
	1.2%	334	0.20	0
	2.5%	620	0.21	0
	0.7%	686	0.36	0
	1.4%	382	0.16	0
	2.5%	496	0.20	0
	1.2%	412	0.19	0
170	1.2%	620	0.21	0
	1.0%	444	0.26	0
	2.5%	452	0.24	0
	1.3%	1740	0.23	0
	1.1%	620	0.49	0
	2.6%	462	0.30	0
	2.5%	496	0.27	0
	1.1%	878	0.28	0
	2.1%	1040	0.32	0
	1.7%	570	0.57	0
180	2.1%	596	0.32	0
	1.0%	1740	0.37	0
	3.1%	612	0.74	0
	1.3%	620	0.42	0
	2.5%	1244	0.57	0
	3.5%	1740	0.48	0
	2.1%	660	0.83	0
	2.6%	1412	0.85	0
	3.6%	1740	0.78	0
	1.9%	878	0.77	0
190	2.1%	1740	0.40	0

	2.6%	5276	0.46	0
	2.7%	1500	0.85	0
	3.4%	1612	1.02	0
	2.3%	878	1.96	0
	2.4%	836	2.13	0
	2.1%	1702	1.80	0
	2.1%	10572	2.92	0
	2.7%	878	3.62	0
	2.7%	862	4.34	0
200	3.0%	878	4.71	0
	2.1%	878	5.00	0
	3.6%	1740	5.03	0
	2.7%	1694	5.05	0
	3.4%	5276	6.39	0
	3.1%	1672	6.84	0
	3.4%	854	7.38	0
	3.3%	5276	1.02	0
	3.2%	878	5.28	0
	3.2%	13356	6.38	0
210	3.4%	1778	6.42	0
	3.7%	10572	6.98	0
	3.7%	10572	1.56	0
	3.5%	1904	6.76	0
	4.0%	5276	7.52	0
	3.4%	5276	7.19	0
	3.4%	2006	5.53	0
	2.9%	3282	5.16	0
	3.6%	3856	4.84	0
	3.7%	10572	2.85	0
220	3.6%	5276	4.92	0
	3.7%	10572	4.48	0
	3.0%	5700	1.02	0
	3.4%	13356	1.02	0
	3.2%	7244	4.68	0

	3.4%	13356	5.04	0
	3.2%	9488	1.56	0
	3.8%	9448	4.86	0
	3.8%	10572	1.56	0
	3.3%	10988	4.56	0
230	3.4%	10664	4.16	0
	3.6%	10384	4.17	0
	3.7%	13394	4.30	0
	3.5%	13356	4.30	0
	3.9%	14366	0.95	0
	3.6%	13356	4.27	0
	3.6%	14356	4.29	0
	3.6%	13550	4.24	0
	3.5%	10784	3.72	0
	3.2%	13356	3.64	0
240	3.0%	9488	3.77	0
	3.0%	9488	3.86	0
	3.7%	13616	3.70	0
	3.8%	14720	3.56	0
	3.2%	14252	3.61	0
	2.9%	11476	3.47	0
	3.4%	10848	4.02	0
	3.2%	10624	4.02	0
	3.5%	6020	3.28	0
	3.7%	9684	3.32	0
250	3.2%	9414	2.73	0
	3.5%	9488	2.52	0
	3.5%	9440	3.02	0
	2.3%	9402	2.83	0
	3.6%	9488	2.85	0
	3.5%	9488	2.85	0
	3.7%	9464	2.37	0
	3.3%	9568	2.28	0
	3.0%	9112	2.04	0

	3.2%	9004	1.40	0
260	3.0%	8956	2.07	0
	3.6%	8884	1.96	0
	3.7%	8678	1.43	0
	3.4%	8354	1.47	0
	3.4%	7636	1.48	0
	3.4%	7688	1.40	0
	3.0%	7636	1.02	0
	3.3%	7718	1.55	0
	3.3%	7468	1.43	0
	3.7%	7388	1.02	0
270	3.5%	7418	1.02	0
	3.5%	7302	1.50	0
	4.0%	7302	1.56	0
	3.1%	7334	1.43	0
	3.6%	2916	0.96	0
	3.2%	7022	1.56	0
	3.4%	5756	1.55	0
	2.5%	5708	1.56	0
	2.9%	5294	1.60	0
	2.9%	6136	1.03	0
280	2.9%	6020	0.96	0
	3.4%	6020	0.98	0
	3.4%	5880	1.91	0
	3.4%	4934	1.42	0
	3.4%	3922	0.95	0
	2.3%	4042	0.91	0
	3.3%	3012	0.95	0
	3.2%	4008	1.43	0
	3.0%	4022	0.95	0
	3.0%	2996	1.04	0
290	2.7%	3040	1.02	0
	2.9%	2946	0.94	0
	3.3%	2924	1.34	0

	3.3%	3064	0.95	0
	1.9%	3106	1.04	0
	3.5%	2118	0.93	0

Tabela 39: 1000 Objetos Pre-Runtime Circle OnTriggerEnter2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
30				
	0.6%	4	0.09	0
40				

	0.0%	6	0.00	0
	0.0%	2	0.00	0
50				
	0.0%	8	0.00	0
60				
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
70	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0

80	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
90				
	0.0%	8	0.00	0
	0.0%	6	0.00	0
100	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
110	0.0%	2	0.00	0
	0.0%	2	0.00	0

	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
120				
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
130	0.0%	2	0.00	0
	0.0%	2	0.00	0
140	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0

	0.0%	2	0.00	0
	0.0%	4	0.00	0
150	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
160	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
170	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
180	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
190				
	0.0%	2	0.00	0
	0.0%	4	0.01	0
	0.0%	4	0.00	0
200	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
210	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
	0.0%	8	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
220	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	6	0.00	0
	0.0%	2	0.00	0
230				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
240	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.01	0

250				
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
260	0.0%	2	0.00	0
	0.0%	2	0.00	0
270				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
280				

	0.0%	2	0.00	0
	0.0%	2	0.00	0
290				
	0.0%	2	0.00	0

Tabela 40: 1000 Objetos Pre-Runtime Circle OnTriggerExit2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory
10				
60				
	0.6%	4	0.10	0

	0.0%	8	0.00	0
	0.0%			
70				
		2	0.00	0
	0.0%	4	0.00	0
	0.0%	4		
80			0.01	0
	0.0%	8	0.00	0
	0.0%	2	0.00	0
90				
	0.0%	2	0.00	0

100				
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
110				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
120	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2		
130			0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
140	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
150	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%			
		2	0.00	0
	0.0%			
		2	0.00	0
	0.0%	2		
160				
			0.01	0
	0.0%	2		0
			0.00	
	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
170	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
180				
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%			
190		4	0.00	0
	0.0%			
		4	0.00	0
	0.0%	2		
			0.00	0
	0.0%	2		0
			0.00	
	0.0%	4	0.00	0
	0.0%	2	0.00	0
200	0.0%	2	0.00	0

	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
210	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	8	0.00	0
	0.0%	4	0.00	0
220	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	6	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
230	0.0%	4	0.00	0
	0.0%			

		2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
240	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	2	0.00	0
	0.0%	2	0.01	0
	0.0%	2	0.00	0
250				
	0.0%	2	0.00	0
260				
	0.0%	2	0.00	0
	0.0%			
		2	0.00	0
	0.0%			
		2	0.00	0
	0.0%	2		

270				
			0.00	0
	0.0%	2		
			0.00	0
	0.0%	2		
280			0.00	0
	0.0%	2		
290				
			0.00	0
	0.0%	6		
			0.00	0
	0.0%	2		

Tabela 41: 1000 Objetos Pre-Runtime Circle OnTriggerStay2D

quadrosTotal	totalPercent	calls	totalTime	gcMemory

10				
30				
	0.7%	4	0.05	0
	0.0%	4	0.13	0
40	0.0%	64	0.05	0
	0.2%	4	0.00	0
	0.2%	64	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.00	0
	0.0%	4	0.01	0
			0.01	0
	0.0%	10		
	0.0%	12	0.01	0
	0.0%	12	0.00	0
50	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.0%	32	0.01	0
	0.0%	12	0.00	0

	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.0%	12	0.01	0
	0.0%	32	0.01	0
	0.1%	32	0.03	0
60	0.1%	20	0.01	0
	0.1%	20	0.01	0
	0.0%	20	0.01	0
	0.0%	16	0.01	0
	0.0%	16	0.00	0
	0.0%	16	0.01	0
	0.1%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	20	0.01	0
	0.0%	20	0.01	0
70	0.0%	28	0.01	0
	0.0%	20	0.01	0
	0.0%	26	0.01	0
	0.0%	28	0.08	0
	0.0%	28	0.01	0
	0.1%	28	0.01	0
	0.5%	28	0.08	0
	0.0%	28	0.02	0
	0.1%	34	0.08	0
	0.1%	34	0.02	0
80	0.0%	30	0.02	0
	0.1%	30	0.01	0
	0.0%	22	0.02	0
	0.0%	24	0.01	0
	0.1%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	24	0.01	0
	0.0%	30	0.01	0
	0.0%	30	0.01	0

	0.0%	24	0.01	0
90	0.0%	24	0.02	0
	0.1%	30	0.02	0
	0.3%	30	0.02	0
	0.1%	32	0.03	0
	0.2%	32	0.02	0
	0.2%	32	0.05	0
	0.1%	40	0.03	0
	0.1%	40	0.02	0
	0.1%	40	0.02	0
	0.2%	40	0.02	0
100	0.2%	38	0.02	0
	0.1%	44	0.02	0
	0.1%	46	0.02	0
	0.2%	44	0.02	0
	0.1%	44	0.03	0
	0.2%	46	0.02	0
	0.1%	48	0.02	0
	0.1%	46	0.01	0
	0.1%	44	0.02	0
	0.1%	44	0.02	0
110	0.1%	46	0.02	0
	0.3%	54	0.02	0
	0.1%	56	0.03	0
	0.2%	56	0.03	0
	0.3%	58	0.03	0
	0.1%	60	0.06	0
	0.3%	60	0.05	0
	0.1%	64	0.02	0
	0.1%	62	0.02	0
	0.1%	66	0.03	0
120	0.1%	64	0.02	0
	0.1%	132	0.05	0
	0.9%	64	0.19	0

	0.3%	64	0.03	0
	0.2%	60	0.03	0
	0.1%	62	0.02	0
	0.1%	62	0.02	0
	0.1%	60	0.03	0
	0.1%	62	0.02	0
	0.2%	66	0.06	0
130	0.2%	66	0.03	0
	0.1%	66	0.05	0
	0.1%	66	0.03	0
	0.2%	66	0.03	0
	0.1%	66	0.03	0
	0.1%	66	0.03	0
	0.1%	66	0.03	0
	0.3%	130	0.05	0
	0.3%	66	0.05	0
	0.2%	64	0.03	0
140	0.2%	66	0.03	0
	0.1%	66	0.03	0
	0.1%	68	0.03	0
	0.3%	66	0.03	0
	0.3%	66	0.03	0
	0.1%	66	0.03	0
	0.2%	64	0.03	0
	0.2%	60	0.03	0
	0.1%	58	0.04	0
	0.1%	58	0.03	0
150	0.2%	60	0.02	0
	0.1%	62	0.03	0
	0.2%	64	0.03	0
	0.1%	64	0.03	0
	0.3%	64	0.03	0
	0.1%	62	0.05	0
	0.3%	60	0.03	0

	0.1%	58	0.04	0
	0.3%	58	0.03	0
	0.2%	62	0.06	0
160	0.1%	68	0.03	0
	0.4%	136	0.04	0
	0.3%	70	0.07	0
	0.2%	68	0.04	0
	0.2%	70	0.03	0
	0.3%	70	0.06	0
	0.3%	70	0.05	0
	0.2%	74	0.05	0
	0.1%	72	0.04	0
	0.4%	76	0.03	0
170	0.2%	76	0.05	0
	0.1%	76	0.04	0
	0.4%	152	0.03	0
	0.1%	78	0.08	0
	0.2%	76	0.03	0
	0.3%	78	0.03	0
	0.1%	76	0.05	0
	0.5%	154	0.04	0
	0.1%	76	0.10	0
	0.2%	152	0.03	0
180	0.1%	76	0.08	0
	0.2%	150	0.04	0
	0.3%	140	0.08	0
	0.1%	72	0.07	0
	0.2%	148	0.03	0
	0.3%	72	0.08	0
	0.1%	72	0.06	0
	0.2%	144	0.04	0
	0.2%	144	0.07	0
	0.2%	144	0.08	0
190	0.2%	146	0.07	0

	0.2%	74	0.07	0
	0.2%	72	0.03	0
	0.1%	72	0.03	0
	0.2%	144	0.03	0
	0.2%	144	0.07	0
	0.2%	136	0.07	0
	0.2%	136	0.09	0
	0.4%	136	0.09	0
	0.5%	198	0.15	0
200	0.2%	202	0.32	0
	0.2%	200	0.13	0
	0.2%	198	0.11	0
	0.1%	254	0.15	0
	0.2%	244	0.13	0
	0.2%	296	0.16	0
	0.1%	372	0.19	0
	0.1%	374	0.24	0
	0.1%	374	0.20	0
	0.1%	380	0.20	0
210	0.1%	396	0.22	0
	0.1%	410	0.25	0
	0.1%	420	0.22	0
	0.1%	424	0.25	0
	0.1%	428	0.24	0
	0.1%	410	0.25	0
	0.1%	386	0.22	0
	0.1%	384	0.35	0
	0.1%	324	0.22	0
	0.1%	380	0.16	0
220	0.1%	388	0.24	0
	0.1%	418	0.24	0
	0.1%	418	0.27	0
	0.1%	396	0.25	0
	0.1%	376	0.36	0

	0.1%	388	0.26	0
	0.1%	360	0.21	0
	0.1%	352	0.23	0
	0.1%	348	0.20	0
	0.1%	340	0.21	0
230	0.2%	348	0.19	0
	0.1%	362	0.34	0
	0.1%	368	0.21	0
	0.1%	352	0.23	0
	0.1%	340	0.20	0
	0.1%	348	0.23	0
	0.1%	348	0.23	0
	0.1%	370	0.23	0
	0.1%	390	0.23	0
	0.2%	384	0.24	0
240	0.1%	392	0.27	0
	0.1%	390	0.21	0
	0.1%	384	0.25	0
	0.2%	394	0.22	0
	0.1%	384	0.26	0
	0.2%	376	0.21	0
	0.2%	372	0.23	0
	0.1%	372	0.25	0
	0.2%	368	0.22	0
	0.2%	350	0.24	0
250	0.2%	344	0.23	0
	0.1%	344	0.21	0
	0.2%	354	0.20	0
	0.2%	348	0.23	0
	0.3%	348	0.24	0
	0.2%	280	0.32	0
	0.2%	280	0.17	0
	0.2%	280	0.17	0
	0.1%	336	0.19	0

	0.2%	336	0.19	0
260	0.2%	348	0.20	0
	0.2%	300	0.20	0
	0.2%	248	0.17	0
	0.2%	250	0.17	0
	0.1%	190	0.15	0
	0.3%	248	0.10	0
	0.2%	246	0.20	0
	0.2%	186	0.15	0
	0.2%	186	0.10	0
	0.2%	188	0.10	0
270	0.2%	186	0.10	0
	0.2%	186	0.12	0
	0.2%	186	0.10	0
	0.2%	186	0.10	0
	0.1%	124	0.11	0
	0.2%	186	0.08	0
	0.2%	186	0.12	0
	0.1%	120	0.12	0
	0.2%	184	0.06	0
	0.2%	186	0.12	0
280	0.2%	184	0.10	0
	0.1%	122	0.10	0
	0.2%	124	0.06	0
	0.2%	120	0.06	0
	0.2%	186	0.11	0
	0.2%	186	0.11	0
	0.1%	124	0.10	0
	0.3%	186	0.06	0
	0.2%	186	0.16	0
	0.2%	186	0.13	0
290	0.2%	124	0.09	0
	0.1%	124	0.06	0
	0.2%	124	0.06	0

	0.2%	124	0.07	0
	0.2%	172	0.08	0
	0.2%	112	0.11	0

Tabela 42: 1000 Objetos Pre-Runtime Circle Physics2DSimulate

quadrosTotal	totalPercent	calls	totalTime	gcMemory
	19.3%	6	12.27	800000
	41.1%	3	12.75	426600
	41.1%	2	6.02	284400
	45.2%	1	4.22	142200
	26.5%	1	2.53	142200
	18.5%	1	2.54	142200
	15.4%	1	2.54	142200
	14.1%	1	4.30	142200
10	17.1%	1	2.74	142200
	22.6%	1	2.65	142200
	18.1%	1	4.17	177700
	17.6%	1	2.85	142200
	17.1%	1	2.74	142200
	22.6%	1	2.63	142200
	17.1%	1	4.20	177700
	16.5%	1	2.85	177700
	16.6%	1	2.69	142200
	22.0%	1	2.85	142200
20	17.8%	1	2.64	142200
	17.8%	1	2.72	142200
	17.3%	1	4.16	142200
	16.5%	1	2.58	142200
	21.5%	1	2.58	142200
	17.7%	1	4.14	142200
	16.4%	1	2.70	142200

	21.8%	1	4.63	142200
	10.0%	1	4.25	142200
	27.1%	1	2.86	142200
30	19.4%	1	2.42	142200
	14.4%	1	5.16	142200
	26.6%	1	11.93	284400
	50.2%	1	7.74	142200
	51.9%	1	3.38	142200
	51.6%	1	2.69	142200
	50.2%	1	2.77	455000
	51.6%	1	4.58	142200
	28.3%	1	2.77	455000
	17.2%	1	3.27	142300
40	51.6%	1	3.27	142200
	18.7%	1	3.19	455000
	42.9%	1	3.12	142200
	26.2%	1	3.27	1200000
	20.8%	1	2.75	142200
	42.9%	1	4.45	1200000
	17.1%	1	2.84	142200
	24.9%	1	2.91	142300
	17.2%	1	4.50	
	17.5%	1		142200
50	25.1%	1	2.80	142200
	22.6%		4.33	255900
		1	2.73	142200
	17.5%	1	2.82	142200
	13.3%	1	2.62	255900
	16.6%	1	3.83	142200
	22.6%	1	2.82	142200
	18.2%	1	4.58	142200
	21.8%	1	2.62	142200
	28.0%	1	2.53	142200
60	17.8%	1	3.99	142200

	15.6%	1	2.45	142200
	21.8%	1	10.61	142200
	9.7%	1	2.97	142200
	61.9%	2	4.81	142200
	26.0%	1	2.62	142200
	21.2%	1	2.46	142200
	27.4%	1	4.55	177700
	17.1%	1	2.69	142200
	17.5%	1	2.69	163600
70	14.7%	1	2.85	163600
	17.1%	1	4.35	177700
	18.4%	1	2.95	177700
	24.3%	1	2.85	177700
	19.7%	1	4.66	177700
	16.9%	1	2.96	192000
	25.4%	1	12.10	192000
	19.1%	1	4.81	206200
	42.9%	1	3.21	213300
	19.9%	1	3.38	220400
80	17.5%	1	5.06	255900
	27.5%	1	2.66	227500
	27.8%	1	3.76	227500
	51.6%	1	4.76	248800
	21.5%	1	2.82	455000
	17.5%	1	2.74	255900
	51.6%	1	2.98	455000
	21.5%	1	2.82	800000
	26.5%	1	3.27	277300
	20.3%	1	3.27	800000
90	21.5%	1	3.73	327000
	16.7%	1	4.79	348400
	26.4%	1	3.11	800000
	20.8%	1	3.73	348400
	11.1%	1	3.06	362600

	31.3%	1	6.94	455000
	51.6%	1	4.03	405200
	21.9%	1	3.73	426600
	35.5%	1	3.69	440800
	33.9%	1	7.88	455000
100	51.6%	1	3.93	800000
	32.8%	1	2.94	504800
	21.5%	1	3.27	800000
	21.5%	1	4.71	497700
	24.2%	1	11.75	1100000
	22.4%	1	4.61	500000
	25.7%	1	3.30	600000
	19.6%	1	3.27	1100000
	26.1%	1	3.73	800000
	22.6%	1	3.35	700000
110	25.7%	1	3.73	1100000
	28.0%	1	3.81	700000
	25.7%	1	4.93	800000
	21.5%	1	15.55	800000
	25.0%	1	12.11	800000
	51.6%	1	3.73	1100000
	37.7%	1	15.55	800000
	21.5%	1	15.55	1600000
	22.4%	1	4.56	1100000
	28.4%	1	3.37	900000
120	25.7%	1	4.58	1200000
	21.7%	1	3.45	1100000
	25.7%	1	3.73	1000000
	22.8%	1	4.81	1100000
	26.4%	1	15.55	1100000
	40.6%	1	3.92	1000000
	30.4%	1	15.55	1200000
	61.3%	1	3.95	1200000
	25.7%	1	3.88	1100000

	37.2%	1	15.55	1100000
130	24.1%	2	4.06	2200000
	25.4%	1	4.16	1100000
	54.7%	1	15.57	1200000
	30.4%	1	4.99	1100000
	30.4%	1	4.24	1100000
	38.6%	1	5.77	1100000
	25.7%	1	4.21	1200000
	27.9%	1	4.06	1200000
	26.1%	1	15.55	1100000
	30.4%	1	4.06	1100000
140	55.9%	1	6.82	1100000
	56.2%	1	4.06	1100000
	47.0%	1	4.89	1700000
	30.4%	1	6.30	1200000
	30.4%	1	4.06	1200000
	33.9%	2	4.06	1200000
	55.5%	1	3.99	1200000
	30.5%	1	5.93	1200000
	24.2%	1	4.51	1700000
	30.4%	1	5.43	1300000
150	40.9%	1	5.30	1700000
	29.3%	1	13.09	1300000
	27.2%	1	4.35	1300000
	30.5%	1	5.36	1700000
	14.2%	1	4.06	1300000
	30.5%	1	3.84	1500000
	55.8%	1	9.12	1600000
	59.1%	1	13.07	1700000
	40.6%	1	5.30	1600000
	30.5%	1	7.88	1700000
160	42.9%	1	5.30	6000000
	40.3%	1	6.45	1700000
	34.5%	1	4.68	1800000

	30.5%	1	15.30	1900000
	53.8%	1	5.30	1900000
	74.5%	1	6.60	6000000
	50.9%	1	4.48	2000000
	30.5%	1	13.69	6000000
	50.6%	1	6.18	4300000
	46.5%	1	5.30	2200000
170	30.7%	1	13.99	2300000
	74.5%	2	5.30	2500000
	61.1%	1	5.31	2500000
	74.5%	1	5.51	6000000
	43.5%	1	15.86	2700000
	31.8%	1	13.99	5600000
	70.6%	1	13.99	2800000
	74.5%	1	18.24	6000000
	41.1%	1	5.61	6300000
	61.5%	1	11.41	3200000
180	74.5%	1	18.75	7300000
	42.0%	1	13.99	6700000
	63.5%	1	12.92	7300000
	76.3%	1	22.71	3400000
	63.5%	2	13.99	3300000
	64.9%	1	23.04	6700000
	70.3%	1	9.11	7300000
	75.7%	1	28.44	6600000
	63.5%	1	28.44	6500000
	57.5%	2	16.74	3300000
190	66.5%	1	23.99	3400000
	76.9%	2	28.44	6900000
	78.9%	1	26.32	7300000
	80.1%	2	24.98	7100000
	78.5%	2	8.71	7300000
	63.5%	1	7.31	42300000
	56.7%	2	16.87	8000000

	63.5%	1	23.86	12800000
	78.2%	1	24.38	42300000
	77.8%	2	28.44	13600000
200	91.9%	2	28.69	14400000
	63.3%	2	28.44	42300000
	81.0%	2	30.53	15100000
	91.9%	1	39.39	20800000
	86.6%	1	163.37	22100000
	91.9%	2	49.60	34200000
	86.1%	2	65.03	36600000
	87.2%	2	162.05	40800000
	90.4%	2	115.24	42300000
	89.6%	2	163.37	42300000
210	84.1%	2	109.21	47700000
	93.6%	3	163.37	42000000
	92.7%	3	128.13	41100000
	91.9%	3	126.82	45500000
	91.9%	3	125.17	51900000
	84.0%	4	162.05	55600000
	92.5%	5	162.05	56400000
	89.6%	6	173.69	47700000
	89.6%	6	163.37	47700000
	93.5%	6	113.02	53800000
220	87.1%	6	163.37	43100000
	94.5%	6	181.18	36900000
	93.0%	6	164.02	53000000
	87.2%	6	149.77	56600000
	94.8%	6	162.05	55600000
	89.6%	5	168.10	47700000
	90.2%	6	162.05	52500000
	94.3%	6	163.23	48800000
	89.6%	6	162.02	47700000
	93.7%	6	113.02	36900000
230	91.5%	6	170.98	43400000

	87.3%	6	113.02	36900000
	92.9%	6	182.84	40400000
	90.2%	6	140.92	38800000
	93.5%	6	136.56	37400000
	92.8%	6	105.93	27600000
	90.2%	6	139.85	38200000
	93.7%	6	113.02	36900000
	93.1%	6	128.09	37200000
	81.3%	6	113.02	36800000
240	92.9%	6	115.99	37600000
	90.2%	6	117.72	36900000
	92.2%	6	124.43	37100000
	90.2%	6	114.40	35200000
	93.0%	5	105.93	34600000
	83.1%	6	120.27	27600000
	92.0%	6	103.31	33500000
	93.5%	6	125.78	31500000
	81.3%	6	105.93	29200000
	85.3%	6	52.30	11400000
250	92.3%	6	118.25	29100000
	82.3%	6	105.93	27600000
	91.6%	6	104.73	29100000
	81.3%	5	94.81	27600000
	90.0%	6	100.86	29200000
	81.3%	6	105.93	28200000
	82.2%	3	102.37	28000000
	92.1%	6	87.10	27800000
	91.6%	5	92.30	27600000
	90.7%	6	106.95	26800000
260	91.0%	5	89.75	26300000
	81.3%	6	52.30	21800000
	90.9%	6	93.40	11400000
	89.7%	6	44.93	20100000
	82.3%	5	81.89	10900000

	90.0%	5	75.61	23300000
	78.3%	6	52.30	22100000
	90.2%	6	71.80	11400000
	89.2%	6	52.30	18600000
	82.3%	5	92.31	14900000
270	90.3%	3	74.90	11400000
	89.4%	3	61.66	11300000
	82.3%	4	56.94	15200000
	85.2%	4	52.30	15000000
	88.1%	3	42.64	11400000
	71.1%	3	55.33	11100000
	87.8%	4	53.01	11200000
	82.3%	3	26.22	10600000
	83.4%	3	44.93	10900000
	85.3%	3	45.71	11500000
280	85.6%	3	36.52	11600000
	83.9%	3	44.93	7800000
	68.8%	3	43.15	10900000
	84.2%	3	44.90	11500000
	82.6%	3	35.18	11300000
	81.0%	3	35.68	7600000
	80.3%	3	44.93	11600000
	85.2%	2	33.74	11600000
	78.9%	3	34.44	11500000
	84.2%	3	35.49	10900000
290	79.0%	3	44.93	7600000
	79.3%	3	35.76	10600000
	84.4%	2	27.85	7400000
	84.7%	3	26.22	10900000
	58.6%	2	25.42	10800000
	87.2%	2	34.50	10600000

A.2 *RUNTIME*

A.2.1 UM OBJETO POR SEGUNDO

A.2.2 DEZ OBJETOS POR SEGUNDO

A.2.3 CINQUENTA OBJETOS POR SEGUNDO

A.2.4 CEM OBJETOS POR SEGUNDO

A.2.5 QUINHENTOS OBJETOS POR SEGUNDO

A.2.6 MIL OBJETOS POR SEGUNDO

APÊNDICE B – TABELAS DE RESULTADOS - *EDGE COLLIDER*

B.1 *PRE-RUNTIME*

B.1.1 UM OBJETO

B.1.2 DEZ OBJETOS

B.1.3 CINQUENTA OBJETOS

B.1.4 CEM OBJETOS

B.1.5 QUINHENTOS OBJETOS

B.1.6 MIL OBJETOS

B.2 *RUNTIME*

B.2.1 UM OBJETO POR SEGUNDO

B.2.2 DEZ OBJETOS POR SEGUNDO

B.2.3 CINQUENTA OBJETOS POR SEGUNDO

B.2.4 CEM OBJETOS POR SEGUNDO

B.2.5 QUINHENTOS OBJETOS POR SEGUNDO

B.2.6 MIL OBJETOS POR SEGUNDO

APÊNDICE C – TABELAS DE RESULTADOS - *POLYGON COLLIDER*

C.1 *PRE-RUNTIME*

C.1.1 UM OBJETO

C.1.2 DEZ OBJETOS

C.1.3 CINQUENTA OBJETOS

C.1.4 CEM OBJETOS

C.1.5 QUINHENTOS OBJETOS

C.1.6 MIL OBJETOS

C.2 *RUNTIME*

C.2.1 UM OBJETO POR SEGUNDO

C.2.2 DEZ OBJETOS POR SEGUNDO

C.2.3 CINQUENTA OBJETOS POR SEGUNDO

C.2.4 CEM OBJETOS POR SEGUNDO

C.2.5 QUINHENTOS OBJETOS POR SEGUNDO

C.2.6 MIL OBJETOS POR SEGUNDO