CECAL

Instituto de Computación, Facultad de Ingeniería
Universidad de la República
Montevideo, Uruguay

PROYECTO DE GRADO INGENIERÍA EN COMPUTACIÓN

Algoritmos de inteligencia computacional para la detección de patrones de movimiento de personas

ANEXOS

Juan P. Chavat
juan.pablo.chavat@fing.edu.uy (jpchavat@gmail.com)

Juan A. Gómez
juan.gomez.simonelli@fing.edu.uy (jagomsim@gmail.com)

Ismael Silveira
ismael.silveira@fing.edu.uy (ismaelsilca@gmail.com)

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Tutor de Proyecto:
Sergio Nesmachnow, Universidad de la República.

Algoritmos de inteligencia computacional para la detección de patrones de movimiento de personas - Anexos

J.P. Chavat, J.A. Gómez, I. Silveira

Proyecto de Grado

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Anexo I

Tablas del análisis experimental del módulo Reconocimiento y seguimiento

En este anexo se presentan la configuración base utilizada en el análisis experimental del módulo Reconocimiento y seguimiento, así como los resultados para cada experimento de dicho módulo. Debido a la extensión y la magnitud de la información que aportan, estas se presentan en forma de anexo para facilitar la lectura del cuerpo principal del documento.

I.1. Configuración base del plan de ejecución

El siguiente documento es la configuración base del *tracker master* que se utilizó para el análisis experimental del módulo Reconocimiento y seguimiento.

```
# ######################################## #
# ## TRACKER MASTER CONFIGURATION FILE ## #
# ######################################## #

[DEFAULT]

# Background Subtraction GENERAL Configuration Parameters
# Suggested values: (3,3), (5,5) (7,7), (9,9), (11,11)
GAUSSIANBLUR_SIZE_X = 11
GAUSSIANBLUR_SIZE_Y = 11
ERODE_SIZE_X = 4
ERODE_SIZE_Y = 4
ERODE_TIMES = 1
DILATE_SIZE_X = 4
DILATE_SIZE_Y = 3
DILATE_TIMES = 1
HISTORY = 175
DETECT_SHADOWS = True
USE_BSUBTRACTOR_KNN = True

# MOG2 Parameters
# Suggested values: 0.005, 0.05, 0.0175
MOG2_LEARNING_RATE = 0.0175
```

```
# KNN Parameters
DIST_2_THRESHOLD = 350
N_SAMPLES = 5
KNN_SAMPLES = 3
SHADOW_THRESHOLD = 0.8


# Blob Detection Configuration Parameters
MIN_THRESHOLD = 1
MAX_THRESHOLD = 100
THRESHOLD_STEP = 50
MIN_DIST_BETWEEN_BLOBS = 30
FILTER_BY_COLOR = True
BLOB_COLOR = 255
FILTER_BY_AREA = True
MIN_AREA = 50
MAX_AREA = 5000
FILTER_BY_CIRCULARITY = False
MIN_CIRCULARITY = 0.01
MAX_CIRCULARITY = 1.0
FILTER_BY_CONVEXITY = False
MIN_CONVEXITY = 0.2
MAX_CONVEXITY = 1.0
FILTER_BY_INERTIA = False
MIN_INERTIA = 0
MAX_INERTIA = 1
DETECT_BLOBS_BY_BOUNDING_BOXES = True
EXPAND_BLOBS = True
EXPAND_BLOBS_RATIO = 0.2

# Person Detection Configuration Parameters
ASPECT_RATIO = 2.5
PADDING_0 = 4
PADDING_1 = 4
SCALE = 1.1
WINSTRIDE_0 = 8
WINSTRIDE_1 = 8
PERSON_DETECTION_PARALLEL_MODE = False
BORDER_AROUND_BLOB_0 = 0.25
BORDER_AROUND_BLOB_1 = 0.25
USE_HISTOGRAMS_FOR_PERSON_DETECTION = True
FRAMES_COUNT_FOR_TRAINING_HISTOGRAMS = 100
CONFIDENCE_MATRIX_UPDATE_TIME = 5000
USE_CONFIDENCE_LEVELS = True
CONFIDENCE_LEVEL_0 = 0.7
CONFIDENCE_LEVEL_1 = 0.2
USE_SQUARE_REGION_FOR_VERIFY = True
SQUARE_REGION_RADIUS = 2
CREATE_MODEL = False
USE_MODEL = True

# Tracking Configuration Parameters
# Color comparisons
USE_HISTOGRAMS_FOR_TRACKING = True
# Possible comparison methods (by OpenCV): CORRELATION, CHI_SQUARED, CHI_SQUARED_ALT,
#                                          INTERSECTION, HELLINGER, KL_DIV
# Possible comparison methods (by ScyPy): EUCLIDEAN, MANHATTAN, CHEBYSEV
# The best ones are: HELLINGER, CHI_SQUARED_ALT, INTERSECTION, EUCLIDEAN
```

```
HISTOGRAM_COMPARISON_METHOD = HELLINGER
# Thresholds on matching blobs with the previously tracked
THRESHOLD_COLOR = 1.5
THRESHOLD_DISTANCE = 20
# Hungary Algorithm Comparison Methods: (weights: previous_position,
#                                                 predicted_position, color)
PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS = 0.2, 0.8, 0
SECONDARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS = 0, 0.2, 0.8

MAX_SECONDS_WITHOUT_UPDATE = 3.5
# must be lower or equal than MAX_SECONDS_WITHOUT_UPDATE
MAX_SECONDS_TO_PREDICT_POSITION = 1.5
MAX_SECONDS_WITHOUT_ANY_BLOB = 1.5
MIN_SECONDS_TO_BE_ACCEPTED_IN_GROUP = 0.8
# Kalman filter types: NORMAL (from OpenCV); SMOOTHED (from filterpy)
KALMAN_FILTER_TYPE = SMOOTHED
# Number of updates to use when smoothing
KALMAN_FILTER_SMOOTH_LAG = 0
MEASURES_NOISE_IN_PIXELS = 2
NON_TRUTHFUL_MEASURES_NOISE_IN_PIXELS = 4
# The suggested values for next three variables are 9, 100 and 4:
# The max distance between real position and initial position must be
# around 10px. Then, the distance has a standard deviation of 3 pixels
# (99% of distances fall in range from 0 to 3x3px).
# The average velocity is about 15 pixels per second. So, the max velocity
# must be around 30 pixels per second. Then, the velocity has a standard
# deviation of 10 pixels (99% of velocities fall in range from 0 to 3x10px).
# The average acceleration is around 0px per second. But, the max acceleration
# must be around 5px per second. Then, the acceleration has a standard
# deviation of 2 pixels (99% of acceleration fall in range from 0 to 3x2px).
INITIAL_ERROR_VARIANCE_OF_POSITION = 9
INITIAL_ERROR_VARIANCE_OF_VELOCITY = 100
INITIAL_ERROR_VARIANCE_OF_ACCELERATION = 4
VARIANCE_OF_MODEL_CHANGE_BETWEEN_STEPS = 0.15

# Debug/Evaluation Parameters
SHOW_COMPARISONS_BY_COLOR = False
SHOW_COMPARISONS_BY_COLOR_ONLY_NON_ZERO = False
SHOW_COMPARISONS_BY_COLOR_GLOBAL_BETTER_DECISION = True
SHOW_COMPARISONS_BY_COLOR_GREEN = True
SHOW_COMPARISONS_BY_COLOR_GREY = True
SHOW_COMPARISONS_BY_COLOR_RED = True
SHOW_PREDICTION_DOTS = False
SHOW_VIDEO_OUTPUT = False
VERBOSE = False

# Pseudo-infinite number to represent infinite distances
# 4k is 4096 × 2304, if we can process more than that, we are Gardel
INFINITE_DISTANCE = 999999

# Communication parameters
# Exchange used to send status information
STATUS_INFO_EXCHANGE_HOSTADDRESS = localhost
STATUS_INFO_EXCHANGE_NAME = to_master
STATUS_INFO_EXPIRATION_TIME = 60
# Track info queue definition
TRACK_INFO_EXCHANGE_HOSTADDRESS = localhost
TRACK_INFO_EXCHANGE_NAME = track_info
TRACK_INFO_EXPIRATION_TIME = 60
```

```
# Main configuration parameters
LIMIT_FPS = False
DEFAULT_FPS_LIMIT = 7
SAVE_POSITIONS_TO_FILE = True
IMAGE_MULTIPLIER_ON_POSITIONS_SAVE = 2.4
```

I.2. Plan de ejecución para el filtro de sustracción de fondo

A continuación se presenta el plan de ejecución para los dos bloques del filtro Sustracción de fondo y luego una lista con los experimentos.

```
Background_Subtraction
##
background_subtraction_base.conf
##
HISTORY;DIST_2_THRESHOLD;KNN_SAMPLES;DETECT_SHADOWS;SHADOW_THRESHOLD;FILTER_BY_COLOR;
USE_BSUBTRACTOR_KNN;MOG2_LEARNING_RATE
:[35;105;175][35;140;350][3;5;7][False][#][False][True][#]
:[35;105;175][35;140;350][3;5;7][True][0.7;0.8;0.9][True][True][#]
:[35;105;175][#][#][False][#][False][False][0.005;0.05;0.0175]
:[35;105;175][#][#][True][#][True][False][0.005;0.05;0.0175]
##
HISTORY;DIST_2_THRESHOLD;KNN_SAMPLES;DETECT_SHADOWS;SHADOW_THRESHOLD;FILTER_BY_COLOR;
USE_BSUBTRACTOR_KNN;MOG2_LEARNING_RATE;(GAUSSIANBLUR_SIZE_X;GAUSSIANBLUR_SIZE_Y);
(ERODE_SIZE_X;ERODE_SIZE_Y);ERODE_TIMES;(DILATE_SIZE_X;DILATE_SIZE_Y);DILATE_TIMES
:[105][140][5][False][#][False][True][#][(7;7);(9;9);(11;11)][(2;2);(3;3);(4;4)][1;3]
[(3;2);(4;3);(4;1)][1;3]
:[105][140][3][False][#][False][True][#][(7;7);(9;9);(11;11)][(2;2);(3;3);(4;4)][1;3]
[(3;2);(4;3);(4;1)][1;3]
:[175][140][3][False][#][False][True][#][(7;7);(9;9);(11;11)][(2;2);(3;3);(4;4)][1;3]
[(3;2);(4;3);(4;1)][1;3]
##
```

```
Bloque 1
Configuración  HISTORY  DIST_2_THRESHOLD  KNN_SAMPLES  DETECT_SHADOWS  SHADOW_THRESHOLD
FILTER_BY_COLOR  USE_BSUBTRACTOR_KNN  MOG2_LEARNING_RATE
1  35  35  3  False  N/A  False  True  N/A
2  35  35  5  False  N/A  False  True  N/A
3  35  35  7  False  N/A  False  True  N/A
4  35  140  3  False  N/A  False  True  N/A
5  35  140  5  False  N/A  False  True  N/A
6  35  140  7  False  N/A  False  True  N/A
7  35  350  3  False  N/A  False  True  N/A
8  35  350  5  False  N/A  False  True  N/A
9  35  350  7  False  N/A  False  True  N/A
10  105  35  3  False  N/A  False  True  N/A
11  105  35  5  False  N/A  False  True  N/A
12  105  35  7  False  N/A  False  True  N/A
13  105  140  3  False  N/A  False  True  N/A
14  105  140  5  False  N/A  False  True  N/A
15  105  140  7  False  N/A  False  True  N/A
16  105  350  3  False  N/A  False  True  N/A
17  105  350  5  False  N/A  False  True  N/A
18  105  350  7  False  N/A  False  True  N/A
19  175  35  3  False  N/A  False  True  N/A
```

```
20  175  35  5  False  N/A  False  True  N/A
21  175  35  7  False  N/A  False  True  N/A
22  175  140  3  False  N/A  False  True  N/A
23  175  140  5  False  N/A  False  True  N/A
24  175  140  7  False  N/A  False  True  N/A
25  175  350  3  False  N/A  False  True  N/A
26  175  350  5  False  N/A  False  True  N/A
27  175  350  7  False  N/A  False  True  N/A
28  35  35  3  True  0.7  True  True  N/A
29  35  35  3  True  0.8  True  True  N/A
30  35  35  3  True  0.9  True  True  N/A
31  35  35  5  True  0.7  True  True  N/A
32  35  35  5  True  0.8  True  True  N/A
33  35  35  5  True  0.9  True  True  N/A
34  35  35  7  True  0.7  True  True  N/A
35  35  35  7  True  0.8  True  True  N/A
36  35  35  7  True  0.9  True  True  N/A
37  35  140  3  True  0.7  True  True  N/A
38  35  140  3  True  0.8  True  True  N/A
39  35  140  3  True  0.9  True  True  N/A
40  35  140  5  True  0.7  True  True  N/A
41  35  140  5  True  0.8  True  True  N/A
42  35  140  5  True  0.9  True  True  N/A
43  35  140  7  True  0.7  True  True  N/A
44  35  140  7  True  0.8  True  True  N/A
45  35  140  7  True  0.9  True  True  N/A
46  35  350  3  True  0.7  True  True  N/A
47  35  350  3  True  0.8  True  True  N/A
48  35  350  3  True  0.9  True  True  N/A
49  35  350  5  True  0.7  True  True  N/A
50  35  350  5  True  0.8  True  True  N/A
51  35  350  5  True  0.9  True  True  N/A
52  35  350  7  True  0.7  True  True  N/A
53  35  350  7  True  0.8  True  True  N/A
54  35  350  7  True  0.9  True  True  N/A
55  105  35  3  True  0.7  True  True  N/A
56  105  35  3  True  0.8  True  True  N/A
57  105  35  3  True  0.9  True  True  N/A
58  105  35  5  True  0.7  True  True  N/A
59  105  35  5  True  0.8  True  True  N/A
60  105  35  5  True  0.9  True  True  N/A
61  105  35  7  True  0.7  True  True  N/A
62  105  35  7  True  0.8  True  True  N/A
63  105  35  7  True  0.9  True  True  N/A
64  105  140  3  True  0.7  True  True  N/A
65  105  140  3  True  0.8  True  True  N/A
66  105  140  3  True  0.9  True  True  N/A
67  105  140  5  True  0.7  True  True  N/A
68  105  140  5  True  0.8  True  True  N/A
69  105  140  5  True  0.9  True  True  N/A
70  105  140  7  True  0.7  True  True  N/A
71  105  140  7  True  0.8  True  True  N/A
72  105  140  7  True  0.9  True  True  N/A
73  105  350  3  True  0.7  True  True  N/A
74  105  350  3  True  0.8  True  True  N/A
75  105  350  3  True  0.9  True  True  N/A
76  105  350  5  True  0.7  True  True  N/A
77  105  350  5  True  0.8  True  True  N/A
78  105  350  5  True  0.9  True  True  N/A
```

79 105 350 7 True 0.7 True True N/A
80 105 350 7 True 0.8 True True N/A
81 105 350 7 True 0.9 True True N/A
82 175 35 3 True 0.7 True True N/A
83 175 35 3 True 0.8 True True N/A
84 175 35 3 True 0.9 True True N/A
85 175 35 5 True 0.7 True True N/A
86 175 35 5 True 0.8 True True N/A
87 175 35 5 True 0.9 True True N/A
88 175 35 7 True 0.7 True True N/A
89 175 35 7 True 0.8 True True N/A
90 175 35 7 True 0.9 True True N/A
91 175 140 3 True 0.7 True True N/A
92 175 140 3 True 0.8 True True N/A
93 175 140 3 True 0.9 True True N/A
94 175 140 5 True 0.7 True True N/A
95 175 140 5 True 0.8 True True N/A
96 175 140 5 True 0.9 True True N/A
97 175 140 7 True 0.7 True True N/A
98 175 140 7 True 0.8 True True N/A
99 175 140 7 True 0.9 True True N/A
100 175 350 3 True 0.7 True True N/A
101 175 350 3 True 0.8 True True N/A
102 175 350 3 True 0.9 True True N/A
103 175 350 5 True 0.7 True True N/A
104 175 350 5 True 0.8 True True N/A
105 175 350 5 True 0.9 True True N/A
106 175 350 7 True 0.7 True True N/A
107 175 350 7 True 0.8 True True N/A
108 175 350 7 True 0.9 True True N/A
109 35 N/A N/A False N/A False False 0.005
110 35 N/A N/A False N/A False False 0.05
111 35 N/A N/A False N/A False False 0.0175
112 105 N/A N/A False N/A False False 0.005
113 105 N/A N/A False N/A False False 0.05
114 105 N/A N/A False N/A False False 0.0175
115 175 N/A N/A False N/A False False 0.005
116 175 N/A N/A False N/A False False 0.05
117 175 N/A N/A False N/A False False 0.0175
118 35 N/A N/A True N/A True False 0.005
119 35 N/A N/A True N/A True False 0.05
120 35 N/A N/A True N/A True False 0.0175
121 105 N/A N/A True N/A True False 0.005
122 105 N/A N/A True N/A True False 0.05
123 105 N/A N/A True N/A True False 0.0175
124 175 N/A N/A True N/A True False 0.005
125 175 N/A N/A True N/A True False 0.05
126 175 N/A N/A True N/A True False 0.0175

Bloque 2

Configuración HISTORY DIST_2_THRESHOLD KNN_SAMPLES DETECT_SHADOWS SHADOW_THRESHOLD FILTER_BY_COLOR USE_BSUBTRACTOR_KNN MOG2_LEARNING_RATE (GAUSSIANBLUR_SIZE_X;GAUSSIANBLUR_SIZE_Y) (ERODE_SIZE_X;ERODE_SIZE_Y) ERODE_TIMES (DILATE_SIZE_X;DILATE_SIZE_Y) DILATE_TIMES
1 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (3;2) 1
2 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (3;2) 3
3 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (4;3) 1
4 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (4;3) 3
5 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (4;1) 1
6 105 140 5 False N/A False True N/A (7;7) (2;2) 1 (4;1) 3

```
7  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (3;2)  1
8  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (3;2)  3
9  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (4;3)  1
10  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (4;3)  3
11  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (4;1)  1
12  105  140  5  False  N/A  False  True  N/A  (7;7)  (2;2)  3  (4;1)  3
13  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (3;2)  1
14  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (3;2)  3
15  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (4;3)  1
16  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (4;3)  3
17  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (4;1)  1
18  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  1  (4;1)  3
19  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (3;2)  1
20  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (3;2)  3
21  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (4;3)  1
22  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (4;3)  3
23  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (4;1)  1
24  105  140  5  False  N/A  False  True  N/A  (7;7)  (3;3)  3  (4;1)  3
25  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (3;2)  1
26  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (3;2)  3
27  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (4;3)  1
28  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (4;3)  3
29  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (4;1)  1
30  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  1  (4;1)  3
31  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (3;2)  1
32  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (3;2)  3
33  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (4;3)  1
34  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (4;3)  3
35  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (4;1)  1
36  105  140  5  False  N/A  False  True  N/A  (7;7)  (4;4)  3  (4;1)  3
37  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (3;2)  1
38  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (3;2)  3
39  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (4;3)  1
40  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (4;3)  3
41  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (4;1)  1
42  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  1  (4;1)  3
43  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (3;2)  1
44  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (3;2)  3
45  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (4;3)  1
46  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (4;3)  3
47  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (4;1)  1
48  105  140  5  False  N/A  False  True  N/A  (9;9)  (2;2)  3  (4;1)  3
49  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (3;2)  1
50  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (3;2)  3
51  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (4;3)  1
52  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (4;3)  3
53  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (4;1)  1
54  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  1  (4;1)  3
55  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (3;2)  1
56  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (3;2)  3
57  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (4;3)  1
58  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (4;3)  3
59  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (4;1)  1
60  105  140  5  False  N/A  False  True  N/A  (9;9)  (3;3)  3  (4;1)  3
61  105  140  5  False  N/A  False  True  N/A  (9;9)  (4;4)  1  (3;2)  1
62  105  140  5  False  N/A  False  True  N/A  (9;9)  (4;4)  1  (3;2)  3
63  105  140  5  False  N/A  False  True  N/A  (9;9)  (4;4)  1  (4;3)  1
64  105  140  5  False  N/A  False  True  N/A  (9;9)  (4;4)  1  (4;3)  3
65  105  140  5  False  N/A  False  True  N/A  (9;9)  (4;4)  1  (4;1)  1
```

66	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(4;1)	3
67	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(3;2)	1
68	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(3;2)	3
69	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;3)	1
70	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;3)	3
71	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;1)	1
72	105	140	5	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;1)	3
73	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(3;2)	1
74	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(3;2)	3
75	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;3)	1
76	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;3)	3
77	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	1
78	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	3
79	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	1
80	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	3
81	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	1
82	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	3
83	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	1
84	105	140	5	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	3
85	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(3;2)	1
86	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(3;2)	3
87	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;3)	1
88	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;3)	3
89	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;1)	1
90	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;1)	3
91	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(3;2)	1
92	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(3;2)	3
93	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;3)	1
94	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;3)	3
95	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;1)	1
96	105	140	5	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;1)	3
97	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(3;2)	1
98	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(3;2)	3
99	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;3)	1
100	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;3)	3
101	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;1)	1
102	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;1)	3
103	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(3;2)	1
104	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(3;2)	3
105	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;3)	1
106	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;3)	3
107	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;1)	1
108	105	140	5	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;1)	3
109	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(3;2)	1
110	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(3;2)	3
111	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;3)	1
112	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;3)	3
113	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;1)	1
114	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;1)	3
115	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(3;2)	1
116	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(3;2)	3
117	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;3)	1
118	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;3)	3
119	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;1)	1
120	105	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;1)	3
121	105	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(3;2)	1
122	105	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(3;2)	3
123	105	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;3)	1
124	105	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;3)	3

```
125  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  1  (4;1)  1
126  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  1  (4;1)  3
127  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (3;2)  1
128  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (3;2)  3
129  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (4;3)  1
130  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (4;3)  3
131  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (4;1)  1
132  105  140  3  False  N/A  False  True  N/A  (7;7)   (3;3)  3  (4;1)  3
133  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (3;2)  1
134  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (3;2)  3
135  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (4;3)  1
136  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (4;3)  3
137  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (4;1)  1
138  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  1  (4;1)  3
139  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (3;2)  1
140  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (3;2)  3
141  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (4;3)  1
142  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (4;3)  3
143  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (4;1)  1
144  105  140  3  False  N/A  False  True  N/A  (7;7)   (4;4)  3  (4;1)  3
145  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (3;2)  1
146  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (3;2)  3
147  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (4;3)  1
148  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (4;3)  3
149  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (4;1)  1
150  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  1  (4;1)  3
151  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (3;2)  1
152  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (3;2)  3
153  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (4;3)  1
154  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (4;3)  3
155  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (4;1)  1
156  105  140  3  False  N/A  False  True  N/A  (9;9)   (2;2)  3  (4;1)  3
157  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (3;2)  1
158  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (3;2)  3
159  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (4;3)  1
160  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (4;3)  3
161  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (4;1)  1
162  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  1  (4;1)  3
163  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (3;2)  1
164  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (3;2)  3
165  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (4;3)  1
166  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (4;3)  3
167  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (4;1)  1
168  105  140  3  False  N/A  False  True  N/A  (9;9)   (3;3)  3  (4;1)  3
169  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (3;2)  1
170  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (3;2)  3
171  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (4;3)  1
172  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (4;3)  3
173  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (4;1)  1
174  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  1  (4;1)  3
175  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (3;2)  1
176  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (3;2)  3
177  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (4;3)  1
178  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (4;3)  3
179  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (4;1)  1
180  105  140  3  False  N/A  False  True  N/A  (9;9)   (4;4)  3  (4;1)  3
181  105  140  3  False  N/A  False  True  N/A  (11;11)  (2;2)  1  (3;2)  1
182  105  140  3  False  N/A  False  True  N/A  (11;11)  (2;2)  1  (3;2)  3
183  105  140  3  False  N/A  False  True  N/A  (11;11)  (2;2)  1  (4;3)  1
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184	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;3)	3
185	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	1
186	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	3
187	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	1
188	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	3
189	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	1
190	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	3
191	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	1
192	105	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	3
193	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(3;2)	1
194	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(3;2)	3
195	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;3)	1
196	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;3)	3
197	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;1)	1
198	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(4;1)	3
199	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(3;2)	1
200	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(3;2)	3
201	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;3)	1
202	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;3)	3
203	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;1)	1
204	105	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	3	(4;1)	3
205	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(3;2)	1
206	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(3;2)	3
207	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;3)	1
208	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;3)	3
209	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;1)	1
210	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	1	(4;1)	3
211	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(3;2)	1
212	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(3;2)	3
213	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;3)	1
214	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;3)	3
215	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;1)	1
216	105	140	3	False	N/A	False	True	N/A	(11;11)	(4;4)	3	(4;1)	3
217	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(3;2)	1
218	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(3;2)	3
219	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;3)	1
220	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;3)	3
221	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;1)	1
222	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	1	(4;1)	3
223	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(3;2)	1
224	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(3;2)	3
225	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;3)	1
226	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;3)	3
227	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;1)	1
228	175	140	3	False	N/A	False	True	N/A	(7;7)	(2;2)	3	(4;1)	3
229	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(3;2)	1
230	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(3;2)	3
231	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;3)	1
232	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;3)	3
233	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;1)	1
234	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	1	(4;1)	3
235	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(3;2)	1
236	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(3;2)	3
237	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(4;3)	1
238	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(4;3)	3
239	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(4;1)	1
240	175	140	3	False	N/A	False	True	N/A	(7;7)	(3;3)	3	(4;1)	3
241	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(3;2)	1
242	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(3;2)	3

243	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(4;3)	1
244	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(4;3)	3
245	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(4;1)	1
246	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	1	(4;1)	3
247	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(3;2)	1
248	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(3;2)	3
249	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(4;3)	1
250	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(4;3)	3
251	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(4;1)	1
252	175	140	3	False	N/A	False	True	N/A	(7;7)	(4;4)	3	(4;1)	3
253	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(3;2)	1
254	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(3;2)	3
255	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(4;3)	1
256	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(4;3)	3
257	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(4;1)	1
258	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	1	(4;1)	3
259	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(3;2)	1
260	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(3;2)	3
261	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(4;3)	1
262	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(4;3)	3
263	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(4;1)	1
264	175	140	3	False	N/A	False	True	N/A	(9;9)	(2;2)	3	(4;1)	3
265	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(3;2)	1
266	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(3;2)	3
267	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(4;3)	1
268	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(4;3)	3
269	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(4;1)	1
270	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	1	(4;1)	3
271	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(3;2)	1
272	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(3;2)	3
273	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(4;3)	1
274	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(4;3)	3
275	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(4;1)	1
276	175	140	3	False	N/A	False	True	N/A	(9;9)	(3;3)	3	(4;1)	3
277	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(3;2)	1
278	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(3;2)	3
279	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(4;3)	1
280	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(4;3)	3
281	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(4;1)	1
282	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	1	(4;1)	3
283	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(3;2)	1
284	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(3;2)	3
285	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;3)	1
286	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;3)	3
287	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;1)	1
288	175	140	3	False	N/A	False	True	N/A	(9;9)	(4;4)	3	(4;1)	3
289	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(3;2)	1
290	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(3;2)	3
291	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;3)	1
292	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;3)	3
293	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	1
294	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	1	(4;1)	3
295	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	1
296	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(3;2)	3
297	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	1
298	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;3)	3
299	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	1
300	175	140	3	False	N/A	False	True	N/A	(11;11)	(2;2)	3	(4;1)	3
301	175	140	3	False	N/A	False	True	N/A	(11;11)	(3;3)	1	(3;2)	1

```
302  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  1  (3;2)  3
303  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  1  (4;3)  1
304  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  1  (4;3)  3
305  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  1  (4;1)  1
306  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  1  (4;1)  3
307  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (3;2)  1
308  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (3;2)  3
309  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (4;3)  1
310  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (4;3)  3
311  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (4;1)  1
312  175  140  3  False  N/A  False  True  N/A  (11;11)  (3;3)  3  (4;1)  3
313  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (3;2)  1
314  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (3;2)  3
315  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (4;3)  1
316  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (4;3)  3
317  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (4;1)  1
318  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  1  (4;1)  3
319  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (3;2)  1
320  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (3;2)  3
321  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (4;3)  1
322  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (4;3)  3
323  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (4;1)  1
324  175  140  3  False  N/A  False  True  N/A  (11;11)  (4;4)  3  (4;1)  3
```

I.3. Plan de ejecución para el filtro de detección de blobs

A continuación se presenta el plan de ejecución para el bloque del filtro Detección de blobs y luego una lista con los experimentos.

```
Blobs_Detection
##
blobs_detection_base.conf
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;MIN_DIST_BETWEEN_BLOBS;FILTER_BY_AREA;MIN_AREA;
MAX_AREA;DETECT_BLOBS_BY_BOUNDING_BOXES;EXPAND_BLOBS;EXPAND_BLOBS_RATIO
:[(2;2)][1][#][#][#][#][True][False][#]
:[(2;2)][1][#][#][#][#][True][True][0.1;0.2;0.3]
:[(2;2)][1][3;15;30][False][#][#][False][False][#]
:[(2;2)][1][3;15;30][False][#][#][False][True][0.1;0.2;0.3]
:[(2;2)][1][3;15;30][True][75;100;125][1500;2000;2500][False][False][#]
:[(2;2)][1][3;15;30][True][75;100;125][1500;2000;2500][False][True][0.1;0.2;0.3]
:[(4;4)][3][#][#][#][#][True][False][#]
:[(4;4)][3][#][#][#][#][True][True][0.1;0.2;0.3]
:[(4;4)][3][3;15;30][False][#][#][False][False][#]
:[(4;4)][3][3;15;30][False][#][#][False][True][0.1;0.2;0.3]
:[(4;4)][3][3;15;30][True][75;100;125][1500;2000;2500][False][False][#]
:[(4;4)][3][3;15;30][True][75;100;125][1500;2000;2500][False][True][0.1;0.2;0.3]
##
```

```
Bloque 1
Configuración  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  MIN_DIST_BETWEEN_BLOBS
FILTER_BY_AREA  MIN_AREA  MAX_AREA  DETECT_BLOBS_BY_BOUNDING_BOXES
EXPAND_BLOBS  EXPAND_BLOBS_RATIO
1  (2;2)  1  N/A  N/A  N/A  N/A  True  False  N/A
2  (2;2)  1  N/A  N/A  N/A  N/A  True  True  0.1
3  (2;2)  1  N/A  N/A  N/A  N/A  True  True  0.2
```

```
4  (2;2)  1  N/A  N/A  N/A  N/A  True  True  0.3
5  (2;2)  1  3  False  N/A  N/A  False  False  N/A
6  (2;2)  1  15  False  N/A  N/A  False  False  N/A
7  (2;2)  1  30  False  N/A  N/A  False  False  N/A
8  (2;2)  1  3  False  N/A  N/A  False  True  0.1
9  (2;2)  1  3  False  N/A  N/A  False  True  0.2
10  (2;2)  1  3  False  N/A  N/A  False  True  0.3
11  (2;2)  1  15  False  N/A  N/A  False  True  0.1
12  (2;2)  1  15  False  N/A  N/A  False  True  0.2
13  (2;2)  1  15  False  N/A  N/A  False  True  0.3
14  (2;2)  1  30  False  N/A  N/A  False  True  0.1
15  (2;2)  1  30  False  N/A  N/A  False  True  0.2
16  (2;2)  1  30  False  N/A  N/A  False  True  0.3
17  (2;2)  1  3  True  75  1500  False  False  N/A
18  (2;2)  1  3  True  75  2000  False  False  N/A
19  (2;2)  1  3  True  75  2500  False  False  N/A
20  (2;2)  1  3  True  100  1500  False  False  N/A
21  (2;2)  1  3  True  100  2000  False  False  N/A
22  (2;2)  1  3  True  100  2500  False  False  N/A
23  (2;2)  1  3  True  125  1500  False  False  N/A
24  (2;2)  1  3  True  125  2000  False  False  N/A
25  (2;2)  1  3  True  125  2500  False  False  N/A
26  (2;2)  1  15  True  75  1500  False  False  N/A
27  (2;2)  1  15  True  75  2000  False  False  N/A
28  (2;2)  1  15  True  75  2500  False  False  N/A
29  (2;2)  1  15  True  100  1500  False  False  N/A
30  (2;2)  1  15  True  100  2000  False  False  N/A
31  (2;2)  1  15  True  100  2500  False  False  N/A
32  (2;2)  1  15  True  125  1500  False  False  N/A
33  (2;2)  1  15  True  125  2000  False  False  N/A
34  (2;2)  1  15  True  125  2500  False  False  N/A
35  (2;2)  1  30  True  75  1500  False  False  N/A
36  (2;2)  1  30  True  75  2000  False  False  N/A
37  (2;2)  1  30  True  75  2500  False  False  N/A
38  (2;2)  1  30  True  100  1500  False  False  N/A
39  (2;2)  1  30  True  100  2000  False  False  N/A
40  (2;2)  1  30  True  100  2500  False  False  N/A
41  (2;2)  1  30  True  125  1500  False  False  N/A
42  (2;2)  1  30  True  125  2000  False  False  N/A
43  (2;2)  1  30  True  125  2500  False  False  N/A
44  (2;2)  1  3  True  75  1500  False  True  0.1
45  (2;2)  1  3  True  75  1500  False  True  0.2
46  (2;2)  1  3  True  75  1500  False  True  0.3
47  (2;2)  1  3  True  75  2000  False  True  0.1
48  (2;2)  1  3  True  75  2000  False  True  0.2
49  (2;2)  1  3  True  75  2000  False  True  0.3
50  (2;2)  1  3  True  75  2500  False  True  0.1
51  (2;2)  1  3  True  75  2500  False  True  0.2
52  (2;2)  1  3  True  75  2500  False  True  0.3
53  (2;2)  1  3  True  100  1500  False  True  0.1
54  (2;2)  1  3  True  100  1500  False  True  0.2
55  (2;2)  1  3  True  100  1500  False  True  0.3
56  (2;2)  1  3  True  100  2000  False  True  0.1
57  (2;2)  1  3  True  100  2000  False  True  0.2
58  (2;2)  1  3  True  100  2000  False  True  0.3
59  (2;2)  1  3  True  100  2500  False  True  0.1
60  (2;2)  1  3  True  100  2500  False  True  0.2
61  (2;2)  1  3  True  100  2500  False  True  0.3
62  (2;2)  1  3  True  125  1500  False  True  0.1
```

63	(2;2)	1	3	True	125	1500	False	True	0.2
64	(2;2)	1	3	True	125	1500	False	True	0.3
65	(2;2)	1	3	True	125	2000	False	True	0.1
66	(2;2)	1	3	True	125	2000	False	True	0.2
67	(2;2)	1	3	True	125	2000	False	True	0.3
68	(2;2)	1	3	True	125	2500	False	True	0.1
69	(2;2)	1	3	True	125	2500	False	True	0.2
70	(2;2)	1	3	True	125	2500	False	True	0.3
71	(2;2)	1	15	True	75	1500	False	True	0.1
72	(2;2)	1	15	True	75	1500	False	True	0.2
73	(2;2)	1	15	True	75	1500	False	True	0.3
74	(2;2)	1	15	True	75	2000	False	True	0.1
75	(2;2)	1	15	True	75	2000	False	True	0.2
76	(2;2)	1	15	True	75	2000	False	True	0.3
77	(2;2)	1	15	True	75	2500	False	True	0.1
78	(2;2)	1	15	True	75	2500	False	True	0.2
79	(2;2)	1	15	True	75	2500	False	True	0.3
80	(2;2)	1	15	True	100	1500	False	True	0.1
81	(2;2)	1	15	True	100	1500	False	True	0.2
82	(2;2)	1	15	True	100	1500	False	True	0.3
83	(2;2)	1	15	True	100	2000	False	True	0.1
84	(2;2)	1	15	True	100	2000	False	True	0.2
85	(2;2)	1	15	True	100	2000	False	True	0.3
86	(2;2)	1	15	True	100	2500	False	True	0.1
87	(2;2)	1	15	True	100	2500	False	True	0.2
88	(2;2)	1	15	True	100	2500	False	True	0.3
89	(2;2)	1	15	True	125	1500	False	True	0.1
90	(2;2)	1	15	True	125	1500	False	True	0.2
91	(2;2)	1	15	True	125	1500	False	True	0.3
92	(2;2)	1	15	True	125	2000	False	True	0.1
93	(2;2)	1	15	True	125	2000	False	True	0.2
94	(2;2)	1	15	True	125	2000	False	True	0.3
95	(2;2)	1	15	True	125	2500	False	True	0.1
96	(2;2)	1	15	True	125	2500	False	True	0.2
97	(2;2)	1	15	True	125	2500	False	True	0.3
98	(2;2)	1	30	True	75	1500	False	True	0.1
99	(2;2)	1	30	True	75	1500	False	True	0.2
100	(2;2)	1	30	True	75	1500	False	True	0.3
101	(2;2)	1	30	True	75	2000	False	True	0.1
102	(2;2)	1	30	True	75	2000	False	True	0.2
103	(2;2)	1	30	True	75	2000	False	True	0.3
104	(2;2)	1	30	True	75	2500	False	True	0.1
105	(2;2)	1	30	True	75	2500	False	True	0.2
106	(2;2)	1	30	True	75	2500	False	True	0.3
107	(2;2)	1	30	True	100	1500	False	True	0.1
108	(2;2)	1	30	True	100	1500	False	True	0.2
109	(2;2)	1	30	True	100	1500	False	True	0.3
110	(2;2)	1	30	True	100	2000	False	True	0.1
111	(2;2)	1	30	True	100	2000	False	True	0.2
112	(2;2)	1	30	True	100	2000	False	True	0.3
113	(2;2)	1	30	True	100	2500	False	True	0.1
114	(2;2)	1	30	True	100	2500	False	True	0.2
115	(2;2)	1	30	True	100	2500	False	True	0.3
116	(2;2)	1	30	True	125	1500	False	True	0.1
117	(2;2)	1	30	True	125	1500	False	True	0.2
118	(2;2)	1	30	True	125	1500	False	True	0.3
119	(2;2)	1	30	True	125	2000	False	True	0.1
120	(2;2)	1	30	True	125	2000	False	True	0.2
121	(2;2)	1	30	True	125	2000	False	True	0.3

```
122  (2;2)  1  30  True  125  2500  False  True  0.1
123  (2;2)  1  30  True  125  2500  False  True  0.2
124  (2;2)  1  30  True  125  2500  False  True  0.3
125  (4;4)  3  N/A  N/A  N/A  N/A  True  False  N/A
126  (4;4)  3  N/A  N/A  N/A  N/A  True  True  0.1
127  (4;4)  3  N/A  N/A  N/A  N/A  True  True  0.2
128  (4;4)  3  N/A  N/A  N/A  N/A  True  True  0.3
129  (4;4)  3  3  False  N/A  N/A  False  False  N/A
130  (4;4)  3  15  False  N/A  N/A  False  False  N/A
131  (4;4)  3  30  False  N/A  N/A  False  False  N/A
132  (4;4)  3  3  False  N/A  N/A  False  True  0.1
133  (4;4)  3  3  False  N/A  N/A  False  True  0.2
134  (4;4)  3  3  False  N/A  N/A  False  True  0.3
135  (4;4)  3  15  False  N/A  N/A  False  True  0.1
136  (4;4)  3  15  False  N/A  N/A  False  True  0.2
137  (4;4)  3  15  False  N/A  N/A  False  True  0.3
138  (4;4)  3  30  False  N/A  N/A  False  True  0.1
139  (4;4)  3  30  False  N/A  N/A  False  True  0.2
140  (4;4)  3  30  False  N/A  N/A  False  True  0.3
141  (4;4)  3  3  True  75  1500  False  False  N/A
142  (4;4)  3  3  True  75  2000  False  False  N/A
143  (4;4)  3  3  True  75  2500  False  False  N/A
144  (4;4)  3  3  True  100  1500  False  False  N/A
145  (4;4)  3  3  True  100  2000  False  False  N/A
146  (4;4)  3  3  True  100  2500  False  False  N/A
147  (4;4)  3  3  True  125  1500  False  False  N/A
148  (4;4)  3  3  True  125  2000  False  False  N/A
149  (4;4)  3  3  True  125  2500  False  False  N/A
150  (4;4)  3  15  True  75  1500  False  False  N/A
151  (4;4)  3  15  True  75  2000  False  False  N/A
152  (4;4)  3  15  True  75  2500  False  False  N/A
153  (4;4)  3  15  True  100  1500  False  False  N/A
154  (4;4)  3  15  True  100  2000  False  False  N/A
155  (4;4)  3  15  True  100  2500  False  False  N/A
156  (4;4)  3  15  True  125  1500  False  False  N/A
157  (4;4)  3  15  True  125  2000  False  False  N/A
158  (4;4)  3  15  True  125  2500  False  False  N/A
159  (4;4)  3  30  True  75  1500  False  False  N/A
160  (4;4)  3  30  True  75  2000  False  False  N/A
161  (4;4)  3  30  True  75  2500  False  False  N/A
162  (4;4)  3  30  True  100  1500  False  False  N/A
163  (4;4)  3  30  True  100  2000  False  False  N/A
164  (4;4)  3  30  True  100  2500  False  False  N/A
165  (4;4)  3  30  True  125  1500  False  False  N/A
166  (4;4)  3  30  True  125  2000  False  False  N/A
167  (4;4)  3  30  True  125  2500  False  False  N/A
168  (4;4)  3  3  True  75  1500  False  True  0.1
169  (4;4)  3  3  True  75  1500  False  True  0.2
170  (4;4)  3  3  True  75  1500  False  True  0.3
171  (4;4)  3  3  True  75  2000  False  True  0.1
172  (4;4)  3  3  True  75  2000  False  True  0.2
173  (4;4)  3  3  True  75  2000  False  True  0.3
174  (4;4)  3  3  True  75  2500  False  True  0.1
175  (4;4)  3  3  True  75  2500  False  True  0.2
176  (4;4)  3  3  True  75  2500  False  True  0.3
177  (4;4)  3  3  True  100  1500  False  True  0.1
178  (4;4)  3  3  True  100  1500  False  True  0.2
179  (4;4)  3  3  True  100  1500  False  True  0.3
180  (4;4)  3  3  True  100  2000  False  True  0.1
```

181	(4;4)	3	3	True	100	2000	False	True	0.2
182	(4;4)	3	3	True	100	2000	False	True	0.3
183	(4;4)	3	3	True	100	2500	False	True	0.1
184	(4;4)	3	3	True	100	2500	False	True	0.2
185	(4;4)	3	3	True	100	2500	False	True	0.3
186	(4;4)	3	3	True	125	1500	False	True	0.1
187	(4;4)	3	3	True	125	1500	False	True	0.2
188	(4;4)	3	3	True	125	1500	False	True	0.3
189	(4;4)	3	3	True	125	2000	False	True	0.1
190	(4;4)	3	3	True	125	2000	False	True	0.2
191	(4;4)	3	3	True	125	2000	False	True	0.3
192	(4;4)	3	3	True	125	2500	False	True	0.1
193	(4;4)	3	3	True	125	2500	False	True	0.2
194	(4;4)	3	3	True	125	2500	False	True	0.3
195	(4;4)	3	15	True	75	1500	False	True	0.1
196	(4;4)	3	15	True	75	1500	False	True	0.2
197	(4;4)	3	15	True	75	1500	False	True	0.3
198	(4;4)	3	15	True	75	2000	False	True	0.1
199	(4;4)	3	15	True	75	2000	False	True	0.2
200	(4;4)	3	15	True	75	2000	False	True	0.3
201	(4;4)	3	15	True	75	2500	False	True	0.1
202	(4;4)	3	15	True	75	2500	False	True	0.2
203	(4;4)	3	15	True	75	2500	False	True	0.3
204	(4;4)	3	15	True	100	1500	False	True	0.1
205	(4;4)	3	15	True	100	1500	False	True	0.2
206	(4;4)	3	15	True	100	1500	False	True	0.3
207	(4;4)	3	15	True	100	2000	False	True	0.1
208	(4;4)	3	15	True	100	2000	False	True	0.2
209	(4;4)	3	15	True	100	2000	False	True	0.3
210	(4;4)	3	15	True	100	2500	False	True	0.1
211	(4;4)	3	15	True	100	2500	False	True	0.2
212	(4;4)	3	15	True	100	2500	False	True	0.3
213	(4;4)	3	15	True	125	1500	False	True	0.1
214	(4;4)	3	15	True	125	1500	False	True	0.2
215	(4;4)	3	15	True	125	1500	False	True	0.3
216	(4;4)	3	15	True	125	2000	False	True	0.1
217	(4;4)	3	15	True	125	2000	False	True	0.2
218	(4;4)	3	15	True	125	2000	False	True	0.3
219	(4;4)	3	15	True	125	2500	False	True	0.1
220	(4;4)	3	15	True	125	2500	False	True	0.2
221	(4;4)	3	15	True	125	2500	False	True	0.3
222	(4;4)	3	30	True	75	1500	False	True	0.1
223	(4;4)	3	30	True	75	1500	False	True	0.2
224	(4;4)	3	30	True	75	1500	False	True	0.3
225	(4;4)	3	30	True	75	2000	False	True	0.1
226	(4;4)	3	30	True	75	2000	False	True	0.2
227	(4;4)	3	30	True	75	2000	False	True	0.3
228	(4;4)	3	30	True	75	2500	False	True	0.1
229	(4;4)	3	30	True	75	2500	False	True	0.2
230	(4;4)	3	30	True	75	2500	False	True	0.3
231	(4;4)	3	30	True	100	1500	False	True	0.1
232	(4;4)	3	30	True	100	1500	False	True	0.2
233	(4;4)	3	30	True	100	1500	False	True	0.3
234	(4;4)	3	30	True	100	2000	False	True	0.1
235	(4;4)	3	30	True	100	2000	False	True	0.2
236	(4;4)	3	30	True	100	2000	False	True	0.3
237	(4;4)	3	30	True	100	2500	False	True	0.1
238	(4;4)	3	30	True	100	2500	False	True	0.2
239	(4;4)	3	30	True	100	2500	False	True	0.3

```
240  (4;4)  3  30  True  125  1500  False  True  0.1
241  (4;4)  3  30  True  125  1500  False  True  0.2
242  (4;4)  3  30  True  125  1500  False  True  0.3
243  (4;4)  3  30  True  125  2000  False  True  0.1
244  (4;4)  3  30  True  125  2000  False  True  0.2
245  (4;4)  3  30  True  125  2000  False  True  0.3
246  (4;4)  3  30  True  125  2500  False  True  0.1
247  (4;4)  3  30  True  125  2500  False  True  0.2
248  (4;4)  3  30  True  125  2500  False  True  0.3
```

I.4. Plan de ejecución para el filtro de blobs

A continuación se presenta el plan de ejecución para los cinco bloques del filtro de blobs y luego una lista con los experimentos.

```
Filtro_de_Blobs
##
filtro_de_blobs_base.conf
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;USE_HISTOGRAMS_FOR_PERSON_DETECTION;
CONFIDENCE_MATRIX_UPDATE_TIME;USE_CONFIDENCE_LEVELS;CONFIDENCE_LEVEL_0;
CONFIDENCE_LEVEL_1
:[(2;2)][1][True][2500;5000;7500][True][0.5;0.7;0.9][0.1;0.2;0.3]
:[(2;2)][1][True][2500;5000;7500][False][#][#]
:[(2;2)][1][False][#][#][#][#]
:[(4;4)][3][True][2500;5000;7500][True][0.5;0.7;0.9][0.1;0.2;0.3]
:[(4;4)][3][True][2500;5000;7500][False][#][#]
:[(4;4)][3][False][#][#][#][#]
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;USE_HISTOGRAMS_FOR_PERSON_DETECTION;
CONFIDENCE_MATRIX_UPDATE_TIME;USE_CONFIDENCE_LEVELS;CONFIDENCE_LEVEL_0;
CONFIDENCE_LEVEL_1;ASPECT_RATIO;SCALE;(WINSTRIDE_0;WINSTRIDE_1)
:[(2;2)][1][True][5000][False][#][#][2;2.5;3][1.01;1.1;1.5][(2;2);(4;4);(8;8)]
:[(2;2)][1][True][2500][True][0.7][0.1][2;2.5;3][1.01;1.1;1.5][(2;2);(4;4);(8;8)]
:[(4;4)][3][True][2500][True][0.7][0.1][2;2.5;3][1.01;1.1;1.5][(2;2);(4;4);(8;8)]
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;USE_HISTOGRAMS_FOR_PERSON_DETECTION;
CONFIDENCE_MATRIX_UPDATE_TIME;USE_CONFIDENCE_LEVELS;CONFIDENCE_LEVEL_0;
CONFIDENCE_LEVEL_1;ASPECT_RATIO;SCALE;(WINSTRIDE_0;WINSTRIDE_1);
USE_SQUARE_REGION_FOR_VERIFY;SQUARE_REGION_RADIUS
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(4;4)][True][1;2;4]
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(4;4)][False][#]
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(8;8)][True][1;2;4]
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(8;8)][False][#]
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;USE_HISTOGRAMS_FOR_PERSON_DETECTION;
CONFIDENCE_MATRIX_UPDATE_TIME;USE_CONFIDENCE_LEVELS;CONFIDENCE_LEVEL_0;
CONFIDENCE_LEVEL_1;ASPECT_RATIO;SCALE;(WINSTRIDE_0;WINSTRIDE_1);
USE_SQUARE_REGION_FOR_VERIFY;SQUARE_REGION_RADIUS;
(BORDER_AROUND_BLOB_0;BORDER_AROUND_BLOB_1)
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(4;4)][True][2][(0.25;0.25);(0.1;0.1);
(0.5;0.5)]
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(8;8)][True][4][(0.25;0.25);(0.1;0.1);
(0.5;0.5)]
##
(ERODE_SIZE_X;ERODE_SIZE_Y);DILATE_TIMES;USE_HISTOGRAMS_FOR_PERSON_DETECTION;
```

```
CONFIDENCE_MATRIX_UPDATE_TIME;USE_CONFIDENCE_LEVELS;CONFIDENCE_LEVEL_0;
CONFIDENCE_LEVEL_1;ASPECT_RATIO;SCALE;(WINSTRIDE_0;WINSTRIDE_1);
USE_SQUARE_REGION_FOR_VERIFY;SQUARE_REGION_RADIUS;
(BORDER_AROUND_BLOB_0;BORDER_AROUND_BLOB_1);PERSON_DETECTION_PARALLEL_MODE
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(4;4)][True][2][(0.25;0.25)][True;False]
:[(4;4)][3][True][2500][True][0.7][0.1][3][1.1][(8;8)][True][4][(0.25;0.25)][True;False]
##
```

```
Bloque 1
Config.  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  USE_HISTOGRAMS_FOR_PERSON_DETECTION
CONFIDENCE_MATRIX_UPDATE_TIME  USE_CONFIDENCE_LEVELS  CONFIDENCE_LEVEL_0
CONFIDENCE_LEVEL_1
1  (2;2)  1  True  2500  True  0.5  0.1
2  (2;2)  1  True  2500  True  0.5  0.2
3  (2;2)  1  True  2500  True  0.5  0.3
4  (2;2)  1  True  2500  True  0.7  0.1
5  (2;2)  1  True  2500  True  0.7  0.2
6  (2;2)  1  True  2500  True  0.7  0.3
7  (2;2)  1  True  2500  True  0.9  0.1
8  (2;2)  1  True  2500  True  0.9  0.2
9  (2;2)  1  True  2500  True  0.9  0.3
10  (2;2)  1  True  5000  True  0.5  0.1
11  (2;2)  1  True  5000  True  0.5  0.2
12  (2;2)  1  True  5000  True  0.5  0.3
13  (2;2)  1  True  5000  True  0.7  0.1
14  (2;2)  1  True  5000  True  0.7  0.2
15  (2;2)  1  True  5000  True  0.7  0.3
16  (2;2)  1  True  5000  True  0.9  0.1
17  (2;2)  1  True  5000  True  0.9  0.2
18  (2;2)  1  True  5000  True  0.9  0.3
19  (2;2)  1  True  7500  True  0.5  0.1
20  (2;2)  1  True  7500  True  0.5  0.2
21  (2;2)  1  True  7500  True  0.5  0.3
22  (2;2)  1  True  7500  True  0.7  0.1
23  (2;2)  1  True  7500  True  0.7  0.2
24  (2;2)  1  True  7500  True  0.7  0.3
25  (2;2)  1  True  7500  True  0.9  0.1
26  (2;2)  1  True  7500  True  0.9  0.2
27  (2;2)  1  True  7500  True  0.9  0.3
28  (2;2)  1  True  2500  False  N/A  N/A
29  (2;2)  1  True  5000  False  N/A  N/A
30  (2;2)  1  True  7500  False  N/A  N/A
31  (2;2)  1  False  N/A  N/A  N/A  N/A
32  (4;4)  3  True  2500  True  0.5  0.1
33  (4;4)  3  True  2500  True  0.5  0.2
34  (4;4)  3  True  2500  True  0.5  0.3
35  (4;4)  3  True  2500  True  0.7  0.1
36  (4;4)  3  True  2500  True  0.7  0.2
37  (4;4)  3  True  2500  True  0.7  0.3
38  (4;4)  3  True  2500  True  0.9  0.1
39  (4;4)  3  True  2500  True  0.9  0.2
40  (4;4)  3  True  2500  True  0.9  0.3
41  (4;4)  3  True  5000  True  0.5  0.1
42  (4;4)  3  True  5000  True  0.5  0.2
43  (4;4)  3  True  5000  True  0.5  0.3
44  (4;4)  3  True  5000  True  0.7  0.1
45  (4;4)  3  True  5000  True  0.7  0.2
46  (4;4)  3  True  5000  True  0.7  0.3
```

```
47  (4;4)  3  True  5000  True  0.9  0.1
48  (4;4)  3  True  5000  True  0.9  0.2
49  (4;4)  3  True  5000  True  0.9  0.3
50  (4;4)  3  True  7500  True  0.5  0.1
51  (4;4)  3  True  7500  True  0.5  0.2
52  (4;4)  3  True  7500  True  0.5  0.3
53  (4;4)  3  True  7500  True  0.7  0.1
54  (4;4)  3  True  7500  True  0.7  0.2
55  (4;4)  3  True  7500  True  0.7  0.3
56  (4;4)  3  True  7500  True  0.9  0.1
57  (4;4)  3  True  7500  True  0.9  0.2
58  (4;4)  3  True  7500  True  0.9  0.3
59  (4;4)  3  True  2500  False  N/A  N/A
60  (4;4)  3  True  5000  False  N/A  N/A
61  (4;4)  3  True  7500  False  N/A  N/A
62  (4;4)  3  False  N/A  N/A  N/A  N/A
Bloque 2
Config.  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  USE_HISTOGRAMS_FOR_PERSON_DETECTION
CONFIDENCE_MATRIX_UPDATE_TIME  USE_CONFIDENCE_LEVELS  CONFIDENCE_LEVEL_0
CONFIDENCE_LEVEL_1  ASPECT_RATIO  SCALE  (WINSTRIDE_0;WINSTRIDE_1)
1  (2;2)  1  True  5000  False  N/A  N/A  2  1.01  (2;2)
2  (2;2)  1  True  5000  False  N/A  N/A  2  1.01  (4;4)
3  (2;2)  1  True  5000  False  N/A  N/A  2  1.01  (8;8)
4  (2;2)  1  True  5000  False  N/A  N/A  2  1.1  (2;2)
5  (2;2)  1  True  5000  False  N/A  N/A  2  1.1  (4;4)
6  (2;2)  1  True  5000  False  N/A  N/A  2  1.1  (8;8)
7  (2;2)  1  True  5000  False  N/A  N/A  2  1.5  (2;2)
8  (2;2)  1  True  5000  False  N/A  N/A  2  1.5  (4;4)
9  (2;2)  1  True  5000  False  N/A  N/A  2  1.5  (8;8)
10  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.01  (2;2)
11  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.01  (4;4)
12  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.01  (8;8)
13  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.1  (2;2)
14  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.1  (4;4)
15  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.1  (8;8)
16  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.5  (2;2)
17  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.5  (4;4)
18  (2;2)  1  True  5000  False  N/A  N/A  2.5  1.5  (8;8)
19  (2;2)  1  True  5000  False  N/A  N/A  3  1.01  (2;2)
20  (2;2)  1  True  5000  False  N/A  N/A  3  1.01  (4;4)
21  (2;2)  1  True  5000  False  N/A  N/A  3  1.01  (8;8)
22  (2;2)  1  True  5000  False  N/A  N/A  3  1.1  (2;2)
23  (2;2)  1  True  5000  False  N/A  N/A  3  1.1  (4;4)
24  (2;2)  1  True  5000  False  N/A  N/A  3  1.1  (8;8)
25  (2;2)  1  True  5000  False  N/A  N/A  3  1.5  (2;2)
26  (2;2)  1  True  5000  False  N/A  N/A  3  1.5  (4;4)
27  (2;2)  1  True  5000  False  N/A  N/A  3  1.5  (8;8)
28  (2;2)  1  True  2500  True  0.7  0.1  2  1.01  (2;2)
29  (2;2)  1  True  2500  True  0.7  0.1  2  1.01  (4;4)
30  (2;2)  1  True  2500  True  0.7  0.1  2  1.01  (8;8)
31  (2;2)  1  True  2500  True  0.7  0.1  2  1.1  (2;2)
32  (2;2)  1  True  2500  True  0.7  0.1  2  1.1  (4;4)
33  (2;2)  1  True  2500  True  0.7  0.1  2  1.1  (8;8)
34  (2;2)  1  True  2500  True  0.7  0.1  2  1.5  (2;2)
35  (2;2)  1  True  2500  True  0.7  0.1  2  1.5  (4;4)
36  (2;2)  1  True  2500  True  0.7  0.1  2  1.5  (8;8)
37  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.01  (2;2)
38  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.01  (4;4)
39  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.01  (8;8)
```

```
40  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.1  (2;2)
41  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.1  (4;4)
42  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.1  (8;8)
43  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.5  (2;2)
44  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.5  (4;4)
45  (2;2)  1  True  2500  True  0.7  0.1  2.5  1.5  (8;8)
46  (2;2)  1  True  2500  True  0.7  0.1  3  1.01  (2;2)
47  (2;2)  1  True  2500  True  0.7  0.1  3  1.01  (4;4)
48  (2;2)  1  True  2500  True  0.7  0.1  3  1.01  (8;8)
49  (2;2)  1  True  2500  True  0.7  0.1  3  1.1  (2;2)
50  (2;2)  1  True  2500  True  0.7  0.1  3  1.1  (4;4)
51  (2;2)  1  True  2500  True  0.7  0.1  3  1.1  (8;8)
52  (2;2)  1  True  2500  True  0.7  0.1  3  1.5  (2;2)
53  (2;2)  1  True  2500  True  0.7  0.1  3  1.5  (4;4)
54  (2;2)  1  True  2500  True  0.7  0.1  3  1.5  (8;8)
55  (4;4)  3  True  2500  True  0.7  0.1  2  1.01  (2;2)
56  (4;4)  3  True  2500  True  0.7  0.1  2  1.01  (4;4)
57  (4;4)  3  True  2500  True  0.7  0.1  2  1.01  (8;8)
58  (4;4)  3  True  2500  True  0.7  0.1  2  1.1  (2;2)
59  (4;4)  3  True  2500  True  0.7  0.1  2  1.1  (4;4)
60  (4;4)  3  True  2500  True  0.7  0.1  2  1.1  (8;8)
61  (4;4)  3  True  2500  True  0.7  0.1  2  1.5  (2;2)
62  (4;4)  3  True  2500  True  0.7  0.1  2  1.5  (4;4)
63  (4;4)  3  True  2500  True  0.7  0.1  2  1.5  (8;8)
64  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.01  (2;2)
65  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.01  (4;4)
66  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.01  (8;8)
67  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.1  (2;2)
68  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.1  (4;4)
69  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.1  (8;8)
70  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.5  (2;2)
71  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.5  (4;4)
72  (4;4)  3  True  2500  True  0.7  0.1  2.5  1.5  (8;8)
73  (4;4)  3  True  2500  True  0.7  0.1  3  1.01  (2;2)
74  (4;4)  3  True  2500  True  0.7  0.1  3  1.01  (4;4)
75  (4;4)  3  True  2500  True  0.7  0.1  3  1.01  (8;8)
76  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (2;2)
77  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)
78  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)
79  (4;4)  3  True  2500  True  0.7  0.1  3  1.5  (2;2)
80  (4;4)  3  True  2500  True  0.7  0.1  3  1.5  (4;4)
81  (4;4)  3  True  2500  True  0.7  0.1  3  1.5  (8;8)
Bloque 3
Config.  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  USE_HISTOGRAMS_FOR_PERSON_DETECTION
CONFIDENCE_MATRIX_UPDATE_TIME  USE_CONFIDENCE_LEVELS  CONFIDENCE_LEVEL_0
CONFIDENCE_LEVEL_1  ASPECT_RATIO  SCALE  (WINSTRIDE_0;WINSTRIDE_1)
USE_SQUARE_REGION_FOR_VERIFY  SQUARE_REGION_RADIUS
1  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  1
2  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2
3  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  4
4  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  False  N/A
5  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  1
6  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  2
7  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4
8  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  False  N/A
Bloque 4
Config.  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  USE_HISTOGRAMS_FOR_PERSON_DETECTION
CONFIDENCE_MATRIX_UPDATE_TIME  USE_CONFIDENCE_LEVELS  CONFIDENCE_LEVEL_0
CONFIDENCE_LEVEL_1  ASPECT_RATIO  SCALE  (WINSTRIDE_0;WINSTRIDE_1)
```

```
USE_SQUARE_REGION_FOR_VERIFY  SQUARE_REGION_RADIUS
(BORDER_AROUND_BLOB_0;BORDER_AROUND_BLOB_1)
1  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2  (0.25;0.25)
2  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2  (0.1;0.1)
3  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2  (0.5;0.5)
4  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4  (0.25;0.25)
5  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4  (0.1;0.1)
6  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4  (0.5;0.5)
Bloque 5
Config.  (ERODE_SIZE_X;ERODE_SIZE_Y)  DILATE_TIMES  USE_HISTOGRAMS_FOR_PERSON_DETECTION
CONFIDENCE_MATRIX_UPDATE_TIME  USE_CONFIDENCE_LEVELS  CONFIDENCE_LEVEL_0
CONFIDENCE_LEVEL_1  ASPECT_RATIO  SCALE  (WINSTRIDE_0;WINSTRIDE_1)
USE_SQUARE_REGION_FOR_VERIFY  SQUARE_REGION_RADIUS
(BORDER_AROUND_BLOB_0;BORDER_AROUND_BLOB_1)  PERSON_DETECTION_PARALLEL_MODE
1  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2  (0.25;0.25)  True
2  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (4;4)  True  2  (0.25;0.25)  False
3  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4  (0.25;0.25)  True
4  (4;4)  3  True  2500  True  0.7  0.1  3  1.1  (8;8)  True  4  (0.25;0.25)  False
```

I.5. Plan de ejecución para el filtro de seguimiento

A continuación se presenta el plan de ejecución para los tres bloques del filtro de seguimiento y luego una lista con los experimentos.

```
Tracking
##
tracking_base.conf
##
(WINSTRIDE_0;WINSTRIDE_1);SQUARE_REGION_RADIUS;USE_HISTOGRAMS_FOR_TRACKING;
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR);PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
;THRESHOLD_COLOR
:[(4;4)][2][False][#][0, 0, 1][37.6]
:[(4;4)][2][True][(CORRELATION;1.9);(CHI_SQUARED;3.2);(CHI_SQUARED_ALT;3.8);
(INTERSECTION;1.0);(HELLINGER;0.5);(KL_DIV;12.6);(EUCLIDEAN;0.8);(MANHATTAN;3.1);
(CHEBYSEV;0.4)][0, 0, 1][#]
:[(8;8)][4][False][#][0, 0, 1][37.6]
:[(8;8)][4][True][(CORRELATION;1.9);(CHI_SQUARED;3.2);(CHI_SQUARED_ALT;3.8);
(INTERSECTION;1.0);(HELLINGER;0.5);(KL_DIV;12.6);(EUCLIDEAN;0.8);(MANHATTAN;3.1);
(CHEBYSEV;0.4)][0, 0, 1][#]
##
(WINSTRIDE_0;WINSTRIDE_1);SQUARE_REGION_RADIUS;USE_HISTOGRAMS_FOR_TRACKING;
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR);PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
;SECONDARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
:[(4;4)][2][True][(HELLINGER;0.5)][1, 0, 0;0, 1, 0;0, 0, 1;0.5, 0.25, 0.25;
0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33][1, 0, 0;0, 1, 0;0, 0, 1;
0.5, 0.25, 0.25;0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33]
:[(8;8)][4][True][(HELLINGER;0.5)][1, 0, 0;0, 1, 0;0, 0, 1;0.5, 0.25, 0.25;
0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33][1, 0, 0;0, 1, 0;0, 0, 1;
0.5, 0.25, 0.25;0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33]
:[(8;8)][4][True][(INTERSECTION;1.0)][1, 0, 0;0, 1, 0;0, 0, 1;0.5, 0.25, 0.25;
0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33][1, 0, 0;0, 1, 0;0, 0, 1;
0.5, 0.25, 0.25;0.25, 0.5, 0.25;0.25, 0.25, 0.5;0.33, 0.34, 0.33]
##
(WINSTRIDE_0;WINSTRIDE_1);SQUARE_REGION_RADIUS;USE_HISTOGRAMS_FOR_TRACKING;
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR);PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
;SECONDARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS;MAX_SECONDS_WITHOUT_UPDATE;
```

```
MAX_SECONDS_TO_PREDICT_POSITION;MAX_SECONDS_WITHOUT_ANY_BLOB;
MIN_SECONDS_TO_BE_ACCEPTED_IN_GROUP
:[(4;4)][2][True][(HELLINGER;0.5)][0.33, 0.34, 0.33][0, 1, 0][1][0.5][0;0.5]
[0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.33, 0.34, 0.33][0, 1, 0][2][0.5;1][0;0.5;1.5]
[0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.33, 0.34, 0.33][0, 1, 0][4][0.5;1;2][0;0.5;1.5;3.5]
[0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.33, 0.34, 0.33][0, 1, 0][8][0.5;1;2;4]
[0;0.5;1.5;3.5][0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.25, 0.25, 0.5][0.25, 0.25, 0.5][1][0.5][0;0.5]
[0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.25, 0.25, 0.5][0.25, 0.25, 0.5][2][0.5;1]
[0;0.5;1.5][0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.25, 0.25, 0.5][0.25, 0.25, 0.5][4][0.5;1;2]
[0;0.5;1.5;3.5][0;0.5;1.5;3.5]
:[(4;4)][2][True][(HELLINGER;0.5)][0.25, 0.25, 0.5][0.25, 0.25, 0.5][8][0.5;1;2;4]
[0;0.5;1.5;3.5][0;0.5;1.5;3.5]
:[(8;8)][4][True][(INTERSECTION;1.0)][0.5, 0.25, 0.25][1, 0, 0][1][0.5][0;0.5]
[0;0.5;1.5;3.5]
:[(8;8)][4][True][(INTERSECTION;1.0)][0.5, 0.25, 0.25][1, 0, 0][2][0.5;1][0;0.5;1.5]
[0;0.5;1.5;3.5]
:[(8;8)][4][True][(INTERSECTION;1.0)][0.5, 0.25, 0.25][1, 0, 0][4][0.5;1;2]
[0;0.5;1.5;3.5][0;0.5;1.5;3.5]
:[(8;8)][4][True][(INTERSECTION;1.0)][0.5, 0.25, 0.25][1, 0, 0][8][0.5;1;2;4]
[0;0.5;1.5;3.5][0;0.5;1.5;3.5]
##
```

```
Bloque 1
Config.  (WINSTRIDE_0;WINSTRIDE_1)  SQUARE_REGION_RADIUS  USE_HISTOGRAMS_FOR_TRACKING
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR)
PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS  THRESHOLD_COLOR
1  (4;4)  2  False  N/A  0, 0, 1  37.6
2  (4;4)  2  True  (CORRELATION;1.9)  0, 0, 1  N/A
3  (4;4)  2  True  (CHI_SQUARED;3.2)  0, 0, 1  N/A
4  (4;4)  2  True  (CHI_SQUARED_ALT;3.8)  0, 0, 1  N/A
5  (4;4)  2  True  (INTERSECTION;1.0)  0, 0, 1  N/A
6  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  N/A
7  (4;4)  2  True  (KL_DIV;12.6)  0, 0, 1  N/A
8  (4;4)  2  True  (EUCLIDEAN;0.8)  0, 0, 1  N/A
9  (4;4)  2  True  (MANHATTAN;3.1)  0, 0, 1  N/A
10  (4;4)  2  True  (CHEBYSEV;0.4)  0, 0, 1  N/A
11  (8;8)  4  False  N/A  0, 0, 1  37.6
12  (8;8)  4  True  (CORRELATION;1.9)  0, 0, 1  N/A
13  (8;8)  4  True  (CHI_SQUARED;3.2)  0, 0, 1  N/A
14  (8;8)  4  True  (CHI_SQUARED_ALT;3.8)  0, 0, 1  N/A
15  (8;8)  4  True  (INTERSECTION;1.0)  0, 0, 1  N/A
16  (8;8)  4  True  (HELLINGER;0.5)  0, 0, 1  N/A
17  (8;8)  4  True  (KL_DIV;12.6)  0, 0, 1  N/A
18  (8;8)  4  True  (EUCLIDEAN;0.8)  0, 0, 1  N/A
19  (8;8)  4  True  (MANHATTAN;3.1)  0, 0, 1  N/A
20  (8;8)  4  True  (CHEBYSEV;0.4)  0, 0, 1  N/A
Bloque 2
Config.  (WINSTRIDE_0;WINSTRIDE_1)  SQUARE_REGION_RADIUS  USE_HISTOGRAMS_FOR_TRACKING
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR)
PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS  SECONDARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
1  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  1, 0, 0
2  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0, 1, 0
```

```
3  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0, 0, 1
4  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0.5, 0.25, 0.25
5  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0.25, 0.5, 0.25
6  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0.25, 0.25, 0.5
7  (4;4)  2  True  (HELLINGER;0.5)  1, 0, 0  0.33, 0.34, 0.33
8  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  1, 0, 0
9  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0, 1, 0
10  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0, 0, 1
11  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0.5, 0.25, 0.25
12  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0.25, 0.5, 0.25
13  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0.25, 0.25, 0.5
14  (4;4)  2  True  (HELLINGER;0.5)  0, 1, 0  0.33, 0.34, 0.33
15  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  1, 0, 0
16  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0, 1, 0
17  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0, 0, 1
18  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0.5, 0.25, 0.25
19  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0.25, 0.5, 0.25
20  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0.25, 0.25, 0.5
21  (4;4)  2  True  (HELLINGER;0.5)  0, 0, 1  0.33, 0.34, 0.33
22  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  1, 0, 0
23  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0, 1, 0
24  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0, 0, 1
25  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0.5, 0.25, 0.25
26  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0.25, 0.5, 0.25
27  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0.25, 0.25, 0.5
28  (4;4)  2  True  (HELLINGER;0.5)  0.5, 0.25, 0.25  0.33, 0.34, 0.33
29  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  1, 0, 0
30  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0, 1, 0
31  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0, 0, 1
32  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0.5, 0.25, 0.25
33  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0.25, 0.5, 0.25
34  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0.25, 0.25, 0.5
35  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.5, 0.25  0.33, 0.34, 0.33
36  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  1, 0, 0
37  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0, 1, 0
38  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0, 0, 1
39  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0.5, 0.25, 0.25
40  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0.25, 0.5, 0.25
41  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0.25, 0.25, 0.5
42  (4;4)  2  True  (HELLINGER;0.5)  0.25, 0.25, 0.5  0.33, 0.34, 0.33
43  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  1, 0, 0
44  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0
45  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 0, 1
46  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0.5, 0.25, 0.25
47  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0.25, 0.5, 0.25
48  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0.25, 0.25, 0.5
49  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0.33, 0.34, 0.33
50  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  1, 0, 0
51  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0, 1, 0
52  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0, 0, 1
53  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0.5, 0.25, 0.25
54  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0.25, 0.5, 0.25
55  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0.25, 0.25, 0.5
56  (8;8)  4  True  (HELLINGER;0.5)  1, 0, 0  0.33, 0.34, 0.33
57  (8;8)  4  True  (HELLINGER;0.5)  0, 1, 0  1, 0, 0
58  (8;8)  4  True  (HELLINGER;0.5)  0, 1, 0  0, 1, 0
59  (8;8)  4  True  (HELLINGER;0.5)  0, 1, 0  0, 0, 1
60  (8;8)  4  True  (HELLINGER;0.5)  0, 1, 0  0.5, 0.25, 0.25
61  (8;8)  4  True  (HELLINGER;0.5)  0, 1, 0  0.25, 0.5, 0.25
```

62	(8;8)	4	True	(HELLINGER;0.5)	0, 1, 0 0.25, 0.25, 0.5
63	(8;8)	4	True	(HELLINGER;0.5)	0, 1, 0 0.33, 0.34, 0.33
64	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 1, 0, 0
65	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0, 1, 0
66	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0, 0, 1
67	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0.5, 0.25, 0.25
68	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0.25, 0.5, 0.25
69	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0.25, 0.25, 0.5
70	(8;8)	4	True	(HELLINGER;0.5)	0, 0, 1 0.33, 0.34, 0.33
71	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 1, 0, 0
72	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0, 1, 0
73	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0, 0, 1
74	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0.5, 0.25, 0.25
75	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0.25, 0.5, 0.25
76	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0.25, 0.25, 0.5
77	(8;8)	4	True	(HELLINGER;0.5)	0.5, 0.25, 0.25 0.33, 0.34, 0.33
78	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 1, 0, 0
79	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0, 1, 0
80	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0, 0, 1
81	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0.5, 0.25, 0.25
82	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0.25, 0.5, 0.25
83	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0.25, 0.25, 0.5
84	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.5, 0.25 0.33, 0.34, 0.33
85	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 1, 0, 0
86	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0, 1, 0
87	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0, 0, 1
88	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0.5, 0.25, 0.25
89	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0.25, 0.5, 0.25
90	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0.25, 0.25, 0.5
91	(8;8)	4	True	(HELLINGER;0.5)	0.25, 0.25, 0.5 0.33, 0.34, 0.33
92	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 1, 0, 0
93	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0, 1, 0
94	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0, 0, 1
95	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0.5, 0.25, 0.25
96	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0.25, 0.5, 0.25
97	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0.25, 0.25, 0.5
98	(8;8)	4	True	(HELLINGER;0.5)	0.33, 0.34, 0.33 0.33, 0.34, 0.33
99	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 1, 0, 0
100	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0, 1, 0
101	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0, 0, 1
102	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0.5, 0.25, 0.25
103	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0.25, 0.5, 0.25
104	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0.25, 0.25, 0.5
105	(8;8)	4	True	(INTERSECTION;1.0)	1, 0, 0 0.33, 0.34, 0.33
106	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 1, 0, 0
107	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0, 1, 0
108	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0, 0, 1
109	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0.5, 0.25, 0.25
110	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0.25, 0.5, 0.25
111	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0.25, 0.25, 0.5
112	(8;8)	4	True	(INTERSECTION;1.0)	0, 1, 0 0.33, 0.34, 0.33
113	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 1, 0, 0
114	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0, 1, 0
115	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0, 0, 1
116	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0.5, 0.25, 0.25
117	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0.25, 0.5, 0.25
118	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0.25, 0.25, 0.5
119	(8;8)	4	True	(INTERSECTION;1.0)	0, 0, 1 0.33, 0.34, 0.33
120	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25 1, 0, 0

```
121  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0, 1, 0
122  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0, 0, 1
123  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0.5, 0.25, 0.25
124  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0.25, 0.5, 0.25
125  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0.25, 0.25, 0.5
126  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  0.33, 0.34, 0.33
127  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  1, 0, 0
128  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0, 1, 0
129  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0, 0, 1
130  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0.5, 0.25, 0.25
131  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0.25, 0.5, 0.25
132  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0.25, 0.25, 0.5
133  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.5, 0.25  0.33, 0.34, 0.33
134  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  1, 0, 0
135  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0, 1, 0
136  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0, 0, 1
137  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0.5, 0.25, 0.25
138  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0.25, 0.5, 0.25
139  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0.25, 0.25, 0.5
140  (8;8)  4  True  (INTERSECTION;1.0)  0.25, 0.25, 0.5  0.33, 0.34, 0.33
141  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  1, 0, 0
142  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0, 1, 0
143  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0, 0, 1
144  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0.5, 0.25, 0.25
145  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0.25, 0.5, 0.25
146  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0.25, 0.25, 0.5
147  (8;8)  4  True  (INTERSECTION;1.0)  0.33, 0.34, 0.33  0.33, 0.34, 0.33
Bloque 3
Config.  (WINSTRIDE_0;WINSTRIDE_1)  SQUARE_REGION_RADIUS  USE_HISTOGRAMS_FOR_TRACKING
(HISTOGRAM_COMPARISON_METHOD;THRESHOLD_COLOR)
PRIMARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS SECONDARY_HUNG_ALG_COMPARISON_METHOD_WEIGHTS
MAX_SECONDS_WITHOUT_UPDATE  MAX_SECONDS_TO_PREDICT_POSITION
MAX_SECONDS_WITHOUT_ANY_BLOB  MIN_SECONDS_TO_BE_ACCEPTED_IN_GROUP
1  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0  0
2  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0  0.5
3  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0  1.5
4  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0  3.5
5  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0.5  0
6  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0.5  0.5
7  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0.5  1.5
8  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  1  0.5  0.5  3.5
9  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0  0
10  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0  0.5
11  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0  1.5
12  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0  3.5
13  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0.5  0
14  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0.5  0.5
15  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0.5  1.5
16  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  0.5  3.5
17  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  1.5  0
18  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  1.5  0.5
19  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  1.5  1.5
20  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  0.5  1.5  3.5
21  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0  0
22  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0  0.5
23  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0  1.5
24  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0  3.5
25  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0.5  0
26  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  2  1  0.5  0.5
```

27	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	0.5	1.5		
28	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	0.5	3.5		
29	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	1.5	0		
30	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	1.5	0.5		
31	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	1.5	1.5		
32	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	2	1	1.5	3.5		
33	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0	0		
34	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0	0.5		
35	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0	1.5		
36	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0	3.5		
37	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0.5	0		
38	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0.5	0.5		
39	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0.5	1.5		
40	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	0.5	3.5		
41	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	1.5	0		
42	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	1.5	0.5		
43	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	1.5	1.5		
44	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	1.5	3.5		
45	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	3.5	0		
46	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	3.5	0.5		
47	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	3.5	1.5		
48	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	0.5	3.5	3.5		
49	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0	0		
50	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0	0.5		
51	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0	1.5		
52	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0	3.5		
53	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0.5	0		
54	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0.5	0.5		
55	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0.5	1.5		
56	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	0.5	3.5		
57	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	1.5	0		
58	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	1.5	0.5		
59	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	1.5	1.5		
60	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	1.5	3.5		
61	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	3.5	0		
62	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	3.5	0.5		
63	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	3.5	1.5		
64	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	1	3.5	3.5		
65	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0	0		
66	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0	0.5		
67	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0	1.5		
68	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0	3.5		
69	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0.5	0		
70	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0.5	0.5		
71	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0.5	1.5		
72	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	0.5	3.5		
73	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	1.5	0		
74	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	1.5	0.5		
75	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	1.5	1.5		
76	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	1.5	3.5		
77	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	3.5	0		
78	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	3.5	0.5		
79	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	3.5	1.5		
80	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	4	2	3.5	3.5		
81	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	8	0.5	0	0		
82	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	8	0.5	0	0.5		
83	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	8	0.5	0	1.5		
84	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	8	0.5	0	3.5		
85	(4;4)	2	True	(HELLINGER;0.5)	0.33, 0.34, 0.33	0, 1, 0	8	0.5	0.5	0		

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86  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  0.5  0.5
87  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  0.5  1.5
88  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  0.5  3.5
89  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  1.5  0
90  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  1.5  0.5
91  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  1.5  1.5
92  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  1.5  3.5
93  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  3.5  0
94  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  3.5  0.5
95  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  3.5  1.5
96  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  0.5  3.5  3.5
97  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0  0
98  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0  0.5
99  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0  1.5
100  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0  3.5
101  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0.5  0
102  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0.5  0.5
103  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0.5  1.5
104  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  0.5  3.5
105  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  1.5  0
106  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  1.5  0.5
107  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  1.5  1.5
108  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  1.5  3.5
109  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  3.5  0
110  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  3.5  0.5
111  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  3.5  1.5
112  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  1  3.5  3.5
113  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0  0
114  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0  0.5
115  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0  1.5
116  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0  3.5
117  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0.5  0
118  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0.5  0.5
119  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0.5  1.5
120  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  0.5  3.5
121  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  1.5  0
122  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  1.5  0.5
123  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  1.5  1.5
124  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  1.5  3.5
125  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  3.5  0
126  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  3.5  0.5
127  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  3.5  1.5
128  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  2  3.5  3.5
129  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0  0
130  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0  0.5
131  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0  1.5
132  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0  3.5
133  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0.5  0
134  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0.5  0.5
135  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0.5  1.5
136  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  0.5  3.5
137  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  1.5  0
138  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  1.5  0.5
139  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  1.5  1.5
140  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  1.5  3.5
141  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  3.5  0
142  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  3.5  0.5
143  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  3.5  1.5
144  (4;4)  2  True  (HELLINGER;0.5)  0.33, 0.34, 0.33  0, 1, 0  8  4  3.5  3.5
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145	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0	0			
146	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0	0.5			
147	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0	1.5			
148	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0	3.5			
149	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0.5	0			
150	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0.5	0.5			
151	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0.5	1.5			
152	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	1	0.5	0.5	3.5			
153	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0	0			
154	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0	0.5			
155	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0	1.5			
156	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0	3.5			
157	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0.5	0			
158	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0.5	0.5			
159	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0.5	1.5			
160	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	0.5	3.5			
161	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	1.5	0			
162	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	1.5	0.5			
163	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	1.5	1.5			
164	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	0.5	1.5	3.5			
165	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0	0			
166	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0	0.5			
167	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0	1.5			
168	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0	3.5			
169	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0.5	0			
170	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0.5	0.5			
171	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0.5	1.5			
172	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	0.5	3.5			
173	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	1.5	0			
174	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	1.5	0.5			
175	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	1.5	1.5			
176	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	2	1	1.5	3.5			
177	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0	0			
178	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0	0.5			
179	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0	1.5			
180	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0	3.5			
181	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0.5	0			
182	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0.5	0.5			
183	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0.5	1.5			
184	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	0.5	3.5			
185	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	1.5	0			
186	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	1.5	0.5			
187	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	1.5	1.5			
188	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	1.5	3.5			
189	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	3.5	0			
190	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	3.5	0.5			
191	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	3.5	1.5			
192	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	0.5	3.5	3.5			
193	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0	0			
194	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0	0.5			
195	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0	1.5			
196	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0	3.5			
197	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0.5	0			
198	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0.5	0.5			
199	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0.5	1.5			
200	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	0.5	3.5			
201	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	1.5	0			
202	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	1.5	0.5			
203	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	1.5	1.5			

204	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	1.5	3.5		
205	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	3.5	0		
206	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	3.5	0.5		
207	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	3.5	1.5		
208	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	1	3.5	3.5		
209	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0	0		
210	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0	0.5		
211	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0	1.5		
212	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0	3.5		
213	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0.5	0		
214	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0.5	0.5		
215	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0.5	1.5		
216	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	0.5	3.5		
217	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	1.5	0		
218	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	1.5	0.5		
219	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	1.5	1.5		
220	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	1.5	3.5		
221	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	3.5	0		
222	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	3.5	0.5		
223	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	3.5	1.5		
224	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	4	2	3.5	3.5		
225	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0	0		
226	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0	0.5		
227	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0	1.5		
228	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0	3.5		
229	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0.5	0		
230	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0.5	0.5		
231	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0.5	1.5		
232	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	0.5	3.5		
233	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	1.5	0		
234	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	1.5	0.5		
235	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	1.5	1.5		
236	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	1.5	3.5		
237	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	3.5	0		
238	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	3.5	0.5		
239	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	3.5	1.5		
240	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	0.5	3.5	3.5		
241	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0	0		
242	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0	0.5		
243	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0	1.5		
244	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0	3.5		
245	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0.5	0		
246	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0.5	0.5		
247	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0.5	1.5		
248	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	0.5	3.5		
249	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	1.5	0		
250	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	1.5	0.5		
251	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	1.5	1.5		
252	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	1.5	3.5		
253	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	3.5	0		
254	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	3.5	0.5		
255	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	3.5	1.5		
256	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	1	3.5	3.5		
257	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0	0		
258	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0	0.5		
259	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0	1.5		
260	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0	3.5		
261	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0.5	0		
262	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0.5	0.5		

263	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0.5	1.5
264	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	0.5	3.5
265	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	1.5	0
266	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	1.5	0.5
267	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	1.5	1.5
268	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	1.5	3.5
269	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	3.5	0
270	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	3.5	0.5
271	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	3.5	1.5
272	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	2	3.5	3.5
273	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0	0
274	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0	0.5
275	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0	1.5
276	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0	3.5
277	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0.5	0
278	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0.5	0.5
279	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0.5	1.5
280	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	0.5	3.5
281	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	1.5	0
282	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	1.5	0.5
283	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	1.5	1.5
284	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	1.5	3.5
285	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	3.5	0
286	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	3.5	0.5
287	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	3.5	1.5
288	(4;4)	2	True	(HELLINGER;0.5)	0.25, 0.25, 0.5	0.25, 0.25, 0.5	8	4	3.5	3.5
289	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0	0
290	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0	0.5
291	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0	1.5
292	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0	3.5
293	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0.5	0
294	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0.5	0.5
295	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0.5	1.5
296	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	1	0.5	0.5	3.5
297	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0	0
298	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0	0.5
299	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0	1.5
300	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0	3.5
301	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0.5	0
302	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0.5	0.5
303	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0.5	1.5
304	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	0.5	3.5
305	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	1.5	0
306	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	1.5	0.5
307	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	1.5	1.5
308	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	0.5	1.5	3.5
309	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0	0
310	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0	0.5
311	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0	1.5
312	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0	3.5
313	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0.5	0
314	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0.5	0.5
315	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0.5	1.5
316	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	0.5	3.5
317	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	1.5	0
318	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	1.5	0.5
319	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	1.5	1.5
320	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	2	1	1.5	3.5
321	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	4	0.5	0	0

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322  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0  0.5
323  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0  1.5
324  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0  3.5
325  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0.5  0
326  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0.5  0.5
327  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0.5  1.5
328  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  0.5  3.5
329  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  1.5  0
330  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  1.5  0.5
331  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  1.5  1.5
332  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  1.5  3.5
333  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  3.5  0
334  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  3.5  0.5
335  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  3.5  1.5
336  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  0.5  3.5  3.5
337  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0  0
338  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0  0.5
339  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0  1.5
340  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0  3.5
341  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0.5  0
342  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0.5  0.5
343  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0.5  1.5
344  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  0.5  3.5
345  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  1.5  0
346  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  1.5  0.5
347  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  1.5  1.5
348  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  1.5  3.5
349  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  3.5  0
350  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  3.5  0.5
351  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  3.5  1.5
352  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  1  3.5  3.5
353  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0  0
354  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0  0.5
355  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0  1.5
356  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0  3.5
357  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0.5  0
358  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0.5  0.5
359  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0.5  1.5
360  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  0.5  3.5
361  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  1.5  0
362  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  1.5  0.5
363  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  1.5  1.5
364  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  1.5  3.5
365  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  3.5  0
366  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  3.5  0.5
367  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  3.5  1.5
368  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  4  2  3.5  3.5
369  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0  0
370  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0  0.5
371  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0  1.5
372  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0  3.5
373  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0.5  0
374  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0.5  0.5
375  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0.5  1.5
376  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  0.5  3.5
377  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  1.5  0
378  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  1.5  0.5
379  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  1.5  1.5
380  (8;8)  4  True  (INTERSECTION;1.0)  0.5, 0.25, 0.25  1, 0, 0  8  0.5  1.5  3.5
```

381	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	0.5	3.5	0		
382	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	0.5	3.5	0.5		
383	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	0.5	3.5	1.5		
384	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	0.5	3.5	3.5		
385	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0	0		
386	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0	0.5		
387	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0	1.5		
388	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0	3.5		
389	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0.5	0		
390	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0.5	0.5		
391	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0.5	1.5		
392	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	0.5	3.5		
393	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	1.5	0		
394	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	1.5	0.5		
395	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	1.5	1.5		
396	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	1.5	3.5		
397	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	3.5	0		
398	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	3.5	0.5		
399	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	3.5	1.5		
400	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	1	3.5	3.5		
401	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0	0		
402	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0	0.5		
403	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0	1.5		
404	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0	3.5		
405	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0.5	0		
406	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0.5	0.5		
407	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0.5	1.5		
408	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	0.5	3.5		
409	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	1.5	0		
410	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	1.5	0.5		
411	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	1.5	1.5		
412	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	1.5	3.5		
413	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	3.5	0		
414	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	3.5	0.5		
415	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	3.5	1.5		
416	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	2	3.5	3.5		
417	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0	0		
418	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0	0.5		
419	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0	1.5		
420	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0	3.5		
421	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0.5	0		
422	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0.5	0.5		
423	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0.5	1.5		
424	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	0.5	3.5		
425	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	1.5	0		
426	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	1.5	0.5		
427	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	1.5	1.5		
428	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	1.5	3.5		
429	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	3.5	0		
430	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	3.5	0.5		
431	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	3.5	1.5		
432	(8;8)	4	True	(INTERSECTION;1.0)	0.5, 0.25, 0.25	1, 0, 0	8	4	3.5	3.5		

I.6. Resultados para el filtro de sustracción de fondo

A continuación se presentan los resultados de cada métrica para los experimentos de los dos bloques del filtro Sustracción de fondo. Las distintas celdas de las tablas tienen tonos de grises que indican qué tan bueno o malo es el valor de la métrica comparado con el valor de la misma métrica en el resto de los experimentos del mismo bloque. Cuanto más blanco es el color, mejor es el valor.

I.6.1. Según las métricas del MOT Challenge

Bloque	Conf	Rcll	Prcn	FAR	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	MOTAL
	mejor	76.8	72.6	1.50	N/A	10	18	0	1193	988	28	59	47.1	65.0	47.8
	peor	7.3	9.5	3.80	N/A	0	2	17	3021	3950	172	316	-63.0	61.8	-62.1
1	1	76.4	70.4	1.72	19	9	10	0	1366	1007	38	191	43.4	64.1	44.2
	2	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8
	3	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9
	4	64.4	63.5	1.99	19	4	14	1	1579	1517	47	222	26.2	63.0	27.3
	5	73.0	68.3	1.82	19	7	11	1	1446	1150	56	239	37.7	64.0	39.0
	6	70.8	66.2	1.94	19	5	14	0	1542	1244	55	243	33.3	64.0	34.5
	7	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5
	8	73.6	69.1	1.76	19	5	14	0	1400	1126	52	242	39.5	64.4	40.6
	9	71.3	64.9	2.06	19	7	11	1	1640	1224	51	213	31.6	64.0	32.7
	10	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0
	11	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
	12	65.3	65.8	1.82	19	6	13	0	1447	1477	69	271	29.7	64.2	31.3
	13	74.5	70.1	1.70	19	7	11	1	1350	1087	47	199	41.7	64.3	42.7
	14	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9
	15	71.4	66.7	1.91	19	5	14	0	1519	1216	53	217	34.5	63.8	35.7
	16	68.5	67.3	1.78	19	5	14	0	1419	1343	60	227	33.7	63.2	35.1
	17	72.7	64.2	2.17	19	8	11	0	1724	1162	49	226	31.1	64.4	32.2
	18	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1
	19	43.0	44.6	2.86	19	2	13	4	2270	2428	95	249	-12.5	63.0	-10.4
	20	66.0	62.7	2.10	19	4	15	0	1672	1450	69	214	25.1	63.4	26.7
	21	48.9	53.9	2.25	19	1	15	3	1785	2175	88	200	5.0	63.8	7.0
	22	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2
	23	75.7	70.6	1.69	19	7	11	1	1346	1033	48	216	43.0	64.2	44.1
	24	26.4	41.4	2.01	19	1	9	9	1595	3134	172	254	-15.1	62.8	-11.1
	25	72.2	68.2	1.81	19	6	12	1	1435	1185	34	233	37.7	64.4	38.4
	26	74.5	68.3	1.85	19	9	10	0	1471	1088	47	222	38.8	64.3	39.9
	27	70.2	66.6	1.89	19	5	13	1	1503	1268	35	206	34.1	64.1	34.9

28	70.4	67.1	1.85	19	5	14	0	1468	1259	71	240	34.3	63.5	35.9		
29	68.0	62.5	2.18	19	4	14	1	1736	1364	57	265	25.9	64.4	27.2		
30	65.0	63.2	2.02	19	3	16	0	1608	1492	74	276	25.5	64.3	27.2		
31	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8		
32	20.0	24.7	3.27	19	0	7	12	2600	3406	64	130	-42.5	63.3	-41.1		
33	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8		
34	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9		
35	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9		
36	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9		
37	74.6	69.8	1.73	19	7	12	0	1378	1081	54	213	41.0	63.9	42.2		
38	70.6	65.1	2.03	19	5	14	0	1614	1253	43	227	31.7	63.4	32.6		
39	72.6	70.0	1.67	19	8	10	1	1328	1165	43	204	40.5	64.0	41.4		
40	63.0	64.1	1.89	19	3	15	1	1501	1574	58	229	26.4	63.0	27.8		
41	75.0	62.4	2.42	19	10	9	0	1925	1065	36	188	29.0	64.2	29.8		
42	70.8	65.6	1.99	19	5	14	0	1582	1244	39	209	32.7	63.8	33.6		
43	71.8	67.2	1.87	19	7	11	1	1490	1200	41	227	35.9	64.5	36.8		
44	73.3	66.9	1.94	19	6	13	0	1545	1137	35	229	36.2	64.0	37.0		
45	73.3	66.9	1.94	19	6	13	0	1545	1137	35	229	36.2	64.0	37.0		
46	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5		
47	68.1	64.6	2.00	19	7	11	1	1587	1359	62	243	29.4	64.6	30.8		
48	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5		
49	71.8	67.7	1.83	19	8	10	1	1457	1199	30	217	36.9	64.3	37.6		
50	74.6	69.6	1.75	19	5	14	0	1389	1082	47	234	40.9	63.8	41.9		
51	71.8	67.7	1.83	19	8	10	1	1457	1199	30	217	36.9	64.3	37.6		
52	68.4	67.4	1.77	19	4	14	1	1410	1347	66	225	33.7	63.3	35.2		
53	72.6	64.3	2.16	19	8	11	0	1717	1166	46	219	31.2	64.3	32.3		
54	71.3	64.9	2.06	19	7	11	1	1640	1224	51	213	31.6	64.0	32.7		
55	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0		
56	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0		

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57	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0
58	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
59	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
60	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
61	73.8	68.0	1.86	19	7	11	1	1477	1115	40	225	38.2	64.1	39.1
62	74.2	69.5	1.74	19	5	14	0	1387	1100	37	225	40.7	64.1	41.6
63	56.8	58.0	2.21	19	2	14	3	1754	1839	85	242	13.6	63.5	15.6
64	70.9	69.3	1.68	19	6	13	0	1336	1238	50	238	38.4	63.4	39.5
65	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
66	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
67	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9
68	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9
69	21.6	28.6	2.90	19	0	9	10	2304	3338	84	173	-34.4	63.2	-32.5
70	71.4	66.7	1.91	19	5	14	0	1519	1216	53	217	34.5	63.8	35.7
71	16.7	20.3	3.52	19	0	4	15	2796	3546	69	123	-50.5	62.8	-49.0
72	17.5	28.7	2.33	19	0	4	15	1849	3513	78	146	-27.7	63.7	-25.9
73	72.5	68.2	1.82	19	7	12	0	1443	1171	54	226	37.4	64.2	38.6
74	68.6	65.5	1.94	19	4	15	0	1541	1337	56	244	31.1	63.5	32.4
75	69.6	65.6	1.95	19	6	12	1	1554	1294	31	233	32.4	64.2	33.1
76	71.6	67.5	1.84	19	7	11	1	1466	1208	43	234	36.2	64.2	37.2
77	71.6	67.5	1.84	19	7	11	1	1466	1208	43	234	36.2	64.2	37.2
78	69.7	65.6	1.95	19	5	14	0	1553	1291	47	223	32.1	64.0	33.2
79	72.3	69.3	1.71	19	6	12	1	1362	1181	51	224	39.1	64.3	40.3
80	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1
81	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1
82	69.2	69.0	1.67	19	3	16	0	1324	1311	47	236	37.0	63.4	38.1
83	69.7	68.2	1.74	19	5	13	1	1384	1292	64	217	35.7	63.8	37.1
84	69.7	68.2	1.74	19	5	13	1	1384	1292	64	217	35.7	63.8	37.1
85	75.2	69.7	1.75	19	8	10	1	1389	1057	50	204	41.4	64.1	42.5
86	66.0	62.7	2.10	19	4	15	0	1672	1450	69	214	25.1	63.4	26.7

87	65.8	62.5	2.11	19	4	15	0	1679	1458	69	214	24.7	63.4	26.3
88	66.0	65.9	1.83	19	3	16	0	1456	1448	58	256	30.5	63.4	31.8
89	73.7	65.0	2.13	19	8	10	1	1693	1121	60	228	32.5	64.4	33.9
90	71.4	68.3	1.77	19	5	14	0	1409	1217	47	211	37.2	64.0	38.3
91	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2
92	69.3	65.6	1.95	19	6	12	1	1550	1306	35	223	32.1	64.6	32.9
93	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2
94	72.6	70.6	1.62	19	7	11	1	1286	1166	59	220	41.0	64.1	42.4
95	43.5	45.9	2.74	19	2	13	4	2182	2406	114	294	-10.4	63.0	-7.8
96	41.1	52.7	1.97	19	1	14	4	1569	2510	151	308	0.7	62.8	4.2
97	75.5	70.6	1.68	19	9	9	1	1338	1043	44	215	43.1	64.3	44.1
98	74.1	69.9	1.71	19	6	13	0	1361	1104	47	226	41.0	64.0	42.1
99	69.7	65.8	1.94	19	5	13	1	1541	1290	58	209	32.2	63.9	33.5
100	68.9	68.7	1.68	19	3	16	0	1335	1324	57	241	36.2	63.5	37.5
101	69.9	66.6	1.88	19	6	12	1	1494	1281	45	227	33.8	64.1	34.8
102	70.3	68.1	1.76	19	6	13	0	1401	1265	52	242	36.2	64.0	37.4
103	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
104	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
105	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
106	71.4	67.9	1.81	19	7	11	1	1439	1220	31	199	36.8	64.2	37.5
107	71.5	68.1	1.79	19	7	11	1	1427	1212	29	198	37.4	64.2	38.0
108	21.1	33.3	2.26	19	1	4	14	1797	3360	87	159	-23.1	63.9	-21.1
109	61.5	60.9	2.12	19	1	17	1	1683	1641	86	256	19.9	64.1	21.9
110	73.3	68.6	1.80	19	7	12	0	1430	1138	47	210	38.6	64.0	39.7
111	75.7	71.7	1.60	19	9	10	0	1272	1034	41	221	44.9	64.0	45.8
112	66.9	65.8	1.86	19	3	16	0	1477	1411	54	215	30.9	63.2	32.1
113	74.9	64.0	2.26	19	8	11	0	1793	1071	52	211	31.5	64.3	32.7
114	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3
115	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4

116	74.2	68.9	1.80	19	9	10	0	1428	1097	42	254	39.7	64.5	40.7
117	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3
118	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4
119	64.4	58.2	2.48	19	4	14	1	1969	1516	58	271	16.8	64.4	18.1
120	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3
121	73.9	70.0	1.70	19	7	11	1	1349	1113	49	226	41.0	64.4	42.2
122	76.4	71.5	1.64	19	8	11	0	1300	1005	37	215	45.0	64.0	45.8
123	75.5	69.9	1.74	19	9	10	0	1385	1044	60	225	41.6	64.2	42.9
124	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4
125	7.5	10.2	3.53	19	0	2	17	2808	3941	52	88	-59.7	64.3	-58.5
126	68.0	66.2	1.86	19	6	13	0	1478	1361	64	254	31.8	64.5	33.3
127	31.9	35.2	3.14	19	0	13	6	2497	2902	108	236	-29.3	63.0	-26.8
128	51.4	51.9	2.55	19	3	14	2	2026	2072	84	277	1.8	63.4	3.7
129	44.7	48.8	2.52	19	1	15	3	2001	2355	89	269	-4.4	63.1	-2.3
130	70.4	71.4	1.51	19	7	11	1	1200	1262	43	212	41.2	64.3	42.2
131	23.3	26.7	3.42	19	1	6	12	2721	3268	129	206	-43.6	62.4	-40.7
132	22.2	31.1	2.64	19	1	6	12	2100	3312	113	190	-29.7	62.9	-27.1
133	70.8	66.8	1.88	19	8	10	1	1497	1244	43	242	34.6	64.6	35.6
134	75.8	71.3	1.64	19	7	12	0	1300	1029	35	229	44.5	64.5	45.3
135	73.7	70.3	1.67	19	8	10	1	1325	1118	39	215	41.7	64.4	42.6
136	71.8	68.5	1.77	19	6	13	0	1407	1201	51	227	37.6	63.9	38.7
137	64.9	59.1	2.41	19	3	15	1	1913	1496	81	281	18.1	64.5	19.9
138	63.0	63.5	1.94	19	2	17	0	1544	1577	84	292	24.7	64.4	26.7
139	8.1	11.7	3.29	19	0	2	17	2619	3912	54	90	-54.6	62.3	-53.4
140	14.1	19.0	3.24	19	0	3	16	2574	3657	51	117	-47.5	62.6	-46.3
141	10.8	16.9	2.85	19	0	2	17	2266	3797	52	104	-43.6	62.7	-42.4
142	29.2	42.2	2.15	19	0	12	7	1706	3015	85	195	-12.8	62.3	-10.9
143	7.3	9.5	3.72	19	0	2	17	2954	3950	37	59	-63.0	62.6	-62.1
144	9.3	13.1	3.33	19	0	2	17	2644	3862	44	72	-53.8	63.5	-52.8
145	76.7	71.6	1.63	19	8	11	0	1297	993	35	203	45.4	64.1	46.2

146	71.7	67.8	1.83	19	6	13	0	1452	1206	58	213	36.2	63.9	37.5	
147	74.3	69.2	1.77	19	8	11	0	1408	1095	63	221	39.8	63.9	41.2	
148	66.3	65.9	1.84	19	3	16	0	1463	1434	59	219	30.6	63.1	31.9	
149	75.7	67.1	1.99	19	9	10	0	1584	1034	32	207	37.8	64.3	38.5	
150	71.4	68.1	1.79	19	5	14	0	1425	1217	46	234	36.9	64.0	37.9	
151	70.9	67.3	1.85	19	6	12	1	1468	1238	49	227	35.3	64.7	36.4	
152	75.3	70.3	1.70	19	8	11	0	1355	1052	28	216	42.8	64.5	43.5	
153	74.5	69.7	1.73	19	9	9	1	1379	1084	28	212	41.5	64.1	42.1	
154	72.1	69.8	1.67	19	5	14	0	1329	1190	43	207	39.8	63.7	40.8	
155	67.4	61.5	2.26	19	6	12	1	1796	1390	68	253	23.6	64.6	25.2	
156	67.6	68.7	1.65	19	3	16	0	1313	1381	50	270	35.6	64.9	36.7	
157	73.4	67.4	1.90	19	7	11	1	1511	1135	58	218	36.5	64.2	37.8	
158	75.3	70.3	1.70	19	8	11	0	1355	1051	42	227	42.5	64.0	43.5	
159	75.1	70.1	1.71	19	7	12	0	1363	1060	53	237	41.9	64.3	43.1	
160	70.6	69.5	1.66	19	4	15	0	1320	1254	66	236	38.0	63.5	39.5	
161	72.7	65.2	2.07	19	8	11	0	1649	1163	53	234	32.7	64.5	33.9	
162	69.7	67.2	1.82	19	5	14	0	1448	1290	57	238	34.4	64.4	35.7	
163	42.2	45.3	2.73	19	1	13	5	2169	2460	107	266	-11.2	63.2	-8.7	
164	59.0	59.9	2.11	19	2	15	2	1680	1746	80	274	17.7	64.0	19.5	
165	51.4	52.7	2.47	19	2	15	2	1967	2068	98	293	3.0	63.6	5.2	
166	70.3	70.0	1.62	19	7	11	1	1285	1263	58	234	38.8	64.4	40.1	
167	29.3	33.7	3.09	19	1	11	7	2458	3012	126	222	-31.4	63.1	-28.5	
168	24.9	40.5	1.96	19	1	6	12	1558	3199	146	245	-15.1	62.7	-11.7	
169	72.1	67.2	1.88	19	7	11	1	1498	1189	33	213	36.1	64.6	36.9	
170	75.6	68.8	1.84	19	9	10	0	1459	1040	31	223	40.6	64.4	41.3	
171	72.7	67.8	1.85	19	7	11	1	1471	1164	42	209	37.1	64.2	38.1	
172	72.2	69.9	1.66	19	7	12	0	1322	1183	47	222	40.1	63.6	41.1	
173	69.3	62.9	2.19	19	4	14	1	1741	1306	66	254	26.9	64.6	28.4	
174	64.7	62.9	2.05	19	2	17	0	1626	1504	87	292	24.5	64.3	26.5	

175	12.3	19.3	2.75	19	0	4	15	2189	3734	72	133	-40.8	63.4	-39.1
176	14.2	16.6	3.80	19	0	3	16	3021	3656	57	125	-58.1	63.3	-56.8
177	13.7	19.3	3.06	19	0	5	14	2429	3677	66	130	-44.9	63.5	-43.4
178	42.1	51.7	2.11	19	1	15	3	1675	2468	73	231	1.0	63.1	2.7
179	10.6	15.1	3.21	19	0	2	17	2550	3807	80	102	-51.1	62.1	-49.3
180	12.3	16.9	3.23	19	0	2	17	2567	3736	47	92	-49.1	63.7	-48.0
181	75.8	71.0	1.65	19	9	10	0	1315	1032	44	208	43.9	64.1	44.9
182	72.1	69.1	1.73	19	7	12	0	1374	1187	45	223	38.8	63.5	39.8
183	74.3	70.9	1.63	19	7	12	0	1299	1096	56	228	42.5	63.9	43.7
184	65.0	63.8	1.98	19	3	16	0	1573	1489	67	244	26.5	63.2	28.1
185	75.4	67.8	1.92	19	8	11	0	1524	1046	37	209	38.8	64.3	39.6
186	72.3	69.5	1.70	19	5	14	0	1354	1180	43	232	39.5	64.0	40.5
187	71.7	66.5	1.94	19	6	12	1	1539	1204	38	216	34.7	64.5	35.6
188	73.6	69.5	1.73	19	8	11	0	1375	1126	39	240	40.4	64.2	41.2
189	73.1	69.7	1.71	19	8	10	1	1356	1147	46	222	40.2	64.2	41.2
190	70.5	68.5	1.73	19	6	13	0	1379	1255	58	232	36.8	63.7	38.1
191	67.9	62.3	2.20	19	6	12	1	1752	1368	54	229	25.5	64.7	26.7
192	67.6	66.5	1.83	19	4	15	0	1454	1378	49	272	32.4	64.8	33.5
193	74.6	70.7	1.65	19	7	11	1	1315	1081	48	226	42.6	64.3	43.7
194	74.1	70.6	1.65	19	7	12	0	1313	1103	35	213	42.5	64.1	43.2
195	75.5	72.2	1.56	19	9	10	0	1241	1042	41	211	45.4	64.1	46.4
196	67.7	67.0	1.78	19	4	15	0	1419	1377	68	244	32.8	63.4	34.3
197	73.0	64.2	2.18	19	8	10	1	1735	1148	53	234	31.1	64.4	32.3
198	71.9	69.1	1.72	19	6	13	0	1367	1198	40	231	38.8	64.3	39.7
199	49.1	50.5	2.58	19	2	14	3	2049	2167	80	279	-0.9	63.5	1.0
200	61.7	60.7	2.14	19	3	15	1	1705	1631	60	247	20.3	64.5	21.6
201	58.3	59.9	2.09	19	2	15	2	1665	1775	67	266	17.7	64.1	19.2
202	69.9	70.1	1.60	19	8	10	1	1269	1281	47	214	39.0	64.2	40.1
203	36.9	43.0	2.62	19	1	12	6	2082	2689	123	276	-14.9	63.0	-12.1
204	30.9	45.4	1.99	19	2	10	7	1583	2942	165	278	-10.1	62.3	-6.3

205	72.7	69.0	1.75	19	8	10	1	1394	1162	55	229	38.7	64.3	39.9
206	75.0	70.9	1.65	19	7	12	0	1308	1066	37	242	43.4	64.1	44.2
207	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
208	71.8	71.9	1.50	19	7	12	0	1194	1199	49	230	42.7	63.5	43.8
209	69.1	60.7	2.39	19	6	12	1	1904	1318	60	233	22.9	64.5	24.3
210	67.8	67.2	1.77	19	5	14	0	1408	1370	72	266	33.1	64.5	34.7
211	16.0	19.2	3.61	19	0	3	16	2869	3578	72	140	-53.1	63.1	-51.4
212	22.4	29.2	2.91	19	0	9	10	2316	3305	75	165	-33.7	62.7	-32.0
213	19.3	23.9	3.29	19	0	5	14	2617	3438	67	141	-43.7	63.4	-42.2
214	46.8	53.2	2.21	19	2	15	2	1753	2266	86	262	3.6	63.5	5.6
215	13.1	19.2	2.95	19	0	2	17	2348	3702	62	103	-43.5	64.0	-42.1
216	15.1	28.2	2.06	19	0	2	17	1639	3615	74	117	-25.1	63.2	-23.4
217	75.5	69.9	1.74	19	7	12	0	1382	1043	49	209	41.9	64.1	43.0
218	73.5	68.6	1.81	19	7	12	0	1436	1128	46	211	38.7	63.9	39.8
219	75.0	71.8	1.58	19	8	11	0	1257	1064	52	226	44.3	64.1	45.5
220	66.5	65.6	1.87	19	3	16	0	1485	1425	51	222	30.5	63.2	31.6
221	75.9	64.0	2.29	19	7	12	0	1819	1025	46	205	32.1	64.3	33.2
222	69.9	67.1	1.84	19	5	14	0	1460	1280	66	239	34.1	64.2	35.6
223	70.6	67.5	1.82	19	6	12	1	1449	1252	44	252	35.5	65.0	36.5
224	73.8	68.3	1.84	19	7	12	0	1460	1116	49	232	38.4	64.6	39.5
225	73.0	68.7	1.78	19	8	10	1	1416	1148	44	231	38.8	64.3	39.8
226	73.6	71.5	1.57	19	6	13	0	1250	1123	43	233	43.3	63.8	44.2
227	63.9	59.4	2.34	19	2	16	1	1858	1539	77	286	18.4	64.5	20.2
228	63.0	65.8	1.75	19	3	15	1	1394	1576	100	308	27.9	64.5	30.2
229	74.6	70.2	1.69	19	9	9	1	1346	1082	34	233	42.2	64.4	43.0
230	75.1	70.8	1.66	19	8	11	0	1317	1062	42	215	43.2	64.1	44.1
231	76.7	70.0	1.76	19	9	10	0	1400	992	49	211	42.7	64.2	43.8
232	71.5	69.2	1.70	19	7	12	0	1354	1213	39	226	38.8	63.6	39.7
233	72.0	64.8	2.09	19	6	12	1	1663	1192	45	240	31.9	64.5	32.9

234	69.2	67.8	1.76	19	6	13	0	1400	1311	62	263	34.9	64.3	36.3		
235	33.9	35.9	3.25	19	1	12	6	2580	2814	90	214	-28.8	63.5	-26.7		
236	52.4	53.7	2.42	19	2	15	2	1924	2026	107	303	4.7	63.7	7.2		
237	43.7	45.1	2.85	19	1	16	2	2266	2399	103	262	-12.0	63.5	-9.6		
238	71.0	69.2	1.70	19	7	11	1	1348	1237	40	202	38.4	64.4	39.3		
239	25.4	29.8	3.21	19	1	9	9	2550	3177	127	207	-37.5	62.8	-34.5		
240	20.1	34.1	2.08	19	1	5	13	1654	3403	136	206	-21.9	63.3	-18.8		
241	73.1	68.8	1.78	19	7	11	1	1414	1144	40	218	39.0	64.6	39.9		
242	76.2	72.1	1.58	19	8	11	0	1259	1012	28	210	46.0	64.4	46.6		
243	72.9	70.4	1.64	19	8	10	1	1305	1156	42	244	41.2	64.2	42.2		
244	71.8	68.7	1.75	19	5	14	0	1390	1203	37	223	38.2	64.0	39.1		
245	65.7	62.7	2.10	19	2	16	1	1666	1462	100	293	24.2	64.5	26.5		
246	64.0	66.3	1.74	19	3	15	1	1387	1534	89	316	29.3	64.4	31.4		
247	9.2	12.6	3.40	19	0	2	17	2706	3869	49	93	-55.5	62.2	-54.4		
248	13.8	16.4	3.76	19	0	3	16	2989	3673	47	103	-57.5	62.7	-56.5		
249	12.1	19.4	2.70	19	0	2	17	2150	3743	68	111	-40.0	62.6	-38.4		
250	31.9	46.9	1.94	19	0	12	7	1542	2899	92	195	-6.4	62.0	-4.3		
251	9.4	12.1	3.63	19	0	2	17	2888	3860	47	80	-59.5	61.8	-58.5		
252	9.7	13.4	3.37	19	0	2	17	2677	3845	41	70	-54.1	64.3	-53.2		
253	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8		
254	72.6	68.7	1.77	19	6	13	0	1407	1169	46	215	38.4	63.8	39.5		
255	73.6	69.5	1.73	19	8	11	0	1376	1123	52	224	40.1	64.1	41.3		
256	65.2	64.3	1.94	19	3	16	0	1542	1483	60	234	27.6	63.1	28.9		
257	76.5	68.5	1.88	19	8	11	0	1497	1002	34	203	40.5	64.5	41.3		
258	71.6	68.8	1.74	19	7	12	0	1383	1211	49	208	37.9	63.9	39.1		
259	70.0	66.9	1.86	19	5	13	1	1476	1277	50	247	34.2	64.5	35.3		
260	74.1	69.6	1.74	19	6	13	0	1382	1102	49	229	40.5	64.4	41.6		
261	73.8	68.2	1.84	19	9	9	1	1464	1115	45	207	38.4	64.1	39.4		
262	71.8	70.4	1.62	19	6	13	0	1287	1199	47	241	40.5	63.7	41.6		
263	68.8	65.2	1.96	19	6	12	1	1560	1330	67	251	30.6	64.6	32.1		

264	65.7	66.8	1.75	19	1	18	0	1389	1460	74	269	31.4	64.8	33.1	
265	73.1	69.2	1.75	19	8	10	1	1388	1144	56	226	39.2	64.4	40.5	
266	73.7	69.4	1.74	19	6	13	0	1387	1118	46	210	40.1	63.9	41.1	
267	75.4	70.7	1.68	19	8	11	0	1334	1047	53	198	42.9	64.3	44.1	
268	70.3	68.6	1.72	19	5	14	0	1370	1263	47	231	37.1	63.3	38.1	
269	72.9	64.5	2.15	19	7	12	0	1706	1155	34	222	32.0	64.4	32.8	
270	70.6	69.3	1.67	19	6	13	0	1329	1254	51	236	38.2	64.4	39.3	
271	43.8	44.7	2.91	19	2	12	5	2310	2394	70	235	-12.1	62.9	-10.5	
272	59.6	59.8	2.15	19	2	15	2	1708	1722	69	269	17.8	64.3	19.4	
273	50.4	51.7	2.52	19	3	14	2	2003	2111	106	283	0.9	63.8	3.4	
274	72.4	72.1	1.50	19	7	11	1	1195	1174	42	223	43.4	64.3	44.3	
275	30.7	36.6	2.85	19	1	10	8	2262	2953	125	239	-25.4	63.3	-22.5	
276	27.4	43.2	1.93	19	1	11	7	1538	3091	155	265	-12.3	63.0	-8.7	
277	71.0	66.3	1.93	19	6	12	1	1534	1236	51	226	33.8	64.2	34.9	
278	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3	
279	74.4	69.0	1.79	19	8	10	1	1422	1092	33	212	40.2	64.2	40.9	
280	73.0	71.6	1.55	19	6	13	0	1234	1149	44	214	43.0	63.6	44.0	
281	69.2	64.4	2.05	19	4	14	1	1629	1312	58	245	29.6	64.3	30.9	
282	64.8	65.5	1.83	19	2	17	0	1453	1498	82	301	28.8	64.7	30.7	
283	13.0	18.1	3.13	19	0	3	16	2492	3707	70	125	-47.2	63.4	-45.6	
284	17.6	25.2	2.80	19	0	4	15	2228	3509	84	179	-36.7	62.8	-34.7	
285	16.7	22.5	3.10	19	0	4	15	2462	3546	72	132	-42.8	63.1	-41.1	
286	40.6	49.9	2.18	19	3	12	4	1737	2529	89	239	-2.3	63.2	-0.2	
287	12.1	16.3	3.34	19	0	2	17	2652	3743	73	118	-51.9	62.4	-50.2	
288	13.0	22.7	2.36	19	0	2	17	1880	3707	67	105	-32.8	63.2	-31.2	
289	74.6	69.9	1.72	19	7	12	0	1369	1082	45	204	41.4	64.0	42.4	
290	72.0	69.2	1.71	19	7	12	0	1362	1194	47	232	38.9	63.7	39.9	
291	73.8	70.3	1.67	19	8	11	0	1328	1117	48	229	41.5	63.7	42.6	
292	65.9	64.6	1.93	19	5	14	0	1535	1453	55	229	28.6	63.2	29.8	

293	75.8	69.1	1.82	19	8	11	0	1444	1029	44	221	40.9	64.3	41.9	
294	72.2	69.7	1.68	19	6	13	0	1339	1182	45	223	39.8	63.9	40.8	
295	71.6	67.7	1.83	19	7	11	1	1455	1209	44	234	36.4	64.2	37.4	
296	74.7	72.3	1.53	19	7	12	0	1217	1076	41	228	45.2	64.1	46.1	
297	72.9	67.8	1.86	19	8	10	1	1476	1154	31	214	37.5	64.2	38.2	
298	70.7	70.0	1.62	19	6	13	0	1287	1250	44	234	39.4	63.8	40.4	
299	68.7	61.8	2.27	19	6	12	1	1806	1332	46	239	25.2	64.4	26.3	
300	67.2	67.7	1.72	19	3	16	0	1368	1395	65	276	33.6	64.7	35.1	
301	73.2	68.4	1.81	19	7	11	1	1442	1141	53	221	38.1	64.2	39.3	
302	73.1	69.7	1.70	19	5	14	0	1350	1147	58	222	40.0	64.0	41.3	
303	74.9	71.7	1.58	19	7	12	0	1260	1070	45	198	44.2	64.2	45.3	
304	68.4	67.3	1.78	19	4	14	1	1416	1347	49	241	34.0	63.4	35.1	
305	73.0	66.2	1.99	19	6	12	1	1586	1148	58	210	34.4	64.5	35.8	
306	71.9	69.8	1.66	19	6	13	0	1323	1198	50	219	39.6	64.2	40.8	
307	51.0	54.0	2.32	19	3	13	3	1845	2089	97	267	5.4	63.5	7.6	
308	63.2	62.3	2.04	19	5	12	2	1625	1568	43	232	24.0	64.4	25.0	
309	59.6	59.4	2.18	19	2	15	2	1733	1721	65	270	17.4	64.3	18.9	
310	71.7	71.9	1.50	19	7	11	1	1193	1207	37	200	42.8	64.2	43.6	
311	37.3	40.9	2.89	19	1	14	4	2299	2670	120	255	-19.5	63.2	-16.7	
312	33.1	48.3	1.90	19	2	9	8	1508	2849	144	260	-5.7	62.7	-2.4	
313	73.6	68.8	1.79	19	8	10	1	1422	1124	39	238	39.3	64.1	40.2	
314	76.4	72.3	1.57	19	7	12	0	1246	1006	44	226	46.1	64.1	47.1	
315	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2	
316	72.2	71.3	1.56	19	7	12	0	1237	1186	52	243	41.9	63.5	43.1	
317	70.7	64.5	2.08	19	7	12	0	1657	1247	55	243	30.5	64.2	31.8	
318	67.7	66.2	1.86	19	3	16	0	1475	1376	83	278	31.1	64.4	33.0	
319	16.6	19.7	3.63	19	0	3	16	2889	3552	91	142	-53.4	62.4	-51.3	
320	24.2	29.6	3.08	19	0	10	9	2449	3227	72	165	-35.0	63.5	-33.3	
321	20.0	23.8	3.43	19	0	6	13	2726	3406	71	163	-45.6	62.8	-44.0	
322	50.4	55.8	2.14	19	3	14	2	1699	2111	60	252	9.1	63.4	10.5	

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323	15.8	21.2	3.14	19	0	2	17	2493	3587	64	136	-44.3	63.4	-42.8		
324	18.1	23.8	3.10	19	0	2	17	2465	3490	70	142	-41.5	63.7	-39.9		
mejor	76.8	72.6	1.50	N/A	10	18	0	1193	988	28	59	47.1	65.0	47.8		
peor	7.3	9.5	3.80	N/A	0	2	17	3021	3950	172	316	-63.0	61.8	-62.1		
1	76.4	70.4	1.72	19	9	10	0	1366	1007	38	191	43.4	64.1	44.2		
2	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8		
3	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9		
4	64.4	63.5	1.99	19	4	14	1	1579	1517	47	222	26.2	63.0	27.3		
5	73.0	68.3	1.82	19	7	11	1	1446	1150	56	239	37.7	64.0	39.0		
6	70.8	66.2	1.94	19	5	14	0	1542	1244	55	243	33.3	64.0	34.5		
7	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5		
8	73.6	69.1	1.76	19	5	14	0	1400	1126	52	242	39.5	64.4	40.6		
9	71.3	64.9	2.06	19	7	11	1	1640	1224	51	213	31.6	64.0	32.7		
10	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0		
11	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7		
12	65.3	65.8	1.82	19	6	13	0	1447	1477	69	271	29.7	64.2	31.3		
13	74.5	70.1	1.70	19	7	11	1	1350	1087	47	199	41.7	64.3	42.7		
14	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9		
15	71.4	66.7	1.91	19	5	14	0	1519	1216	53	217	34.5	63.8	35.7		
16	68.5	67.3	1.78	19	5	14	0	1419	1343	60	227	33.7	63.2	35.1		
17	72.7	64.2	2.17	19	8	11	0	1724	1162	49	226	31.1	64.4	32.2		
18	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1		
19	43.0	44.6	2.86	19	2	13	4	2270	2428	95	249	-12.5	63.0	-10.4		
20	66.0	62.7	2.10	19	4	15	0	1672	1450	69	214	25.1	63.4	26.7		
21	48.9	53.9	2.25	19	1	15	3	1785	2175	88	200	5.0	63.8	7.0		
22	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2		
23	75.7	70.6	1.69	19	7	11	1	1346	1033	48	216	43.0	64.2	44.1		
24	26.4	41.4	2.01	19	1	9	9	1595	3134	172	254	-15.1	62.8	-11.1		
25	72.2	68.2	1.81	19	6	12	1	1435	1185	34	233	37.7	64.4	38.4		

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26	74.5	68.3	1.85	19	9	10	0	1471	1088	47	222	38.8	64.3	39.9
27	70.2	66.6	1.89	19	5	13	1	1503	1268	35	206	34.1	64.1	34.9
28	70.4	67.1	1.85	19	5	14	0	1468	1259	71	240	34.3	63.5	35.9
29	68.0	62.5	2.18	19	4	14	1	1736	1364	57	265	25.9	64.4	27.2
30	65.0	63.2	2.02	19	3	16	0	1608	1492	74	276	25.5	64.3	27.2
31	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8
32	20.0	24.7	3.27	19	0	7	12	2600	3406	64	130	-42.5	63.3	-41.1
33	67.5	63.6	2.07	19	6	12	1	1647	1385	53	236	27.6	63.6	28.8
34	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9
35	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9
36	59.5	54.6	2.65	19	2	16	1	2110	1724	72	226	8.3	63.6	9.9
37	74.6	69.8	1.73	19	7	12	0	1378	1081	54	213	41.0	63.9	42.2
38	70.6	65.1	2.03	19	5	14	0	1614	1253	43	227	31.7	63.4	32.6
39	72.6	70.0	1.67	19	8	10	1	1328	1165	43	204	40.5	64.0	41.4
40	63.0	64.1	1.89	19	3	15	1	1501	1574	58	229	26.4	63.0	27.8
41	75.0	62.4	2.42	19	10	9	0	1925	1065	36	188	29.0	64.2	29.8
42	70.8	65.6	1.99	19	5	14	0	1582	1244	39	209	32.7	63.8	33.6
43	71.8	67.2	1.87	19	7	11	1	1490	1200	41	227	35.9	64.5	36.8
44	73.3	66.9	1.94	19	6	13	0	1545	1137	35	229	36.2	64.0	37.0
45	73.3	66.9	1.94	19	6	13	0	1545	1137	35	229	36.2	64.0	37.0
46	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5
47	68.1	64.6	2.00	19	7	11	1	1587	1359	62	243	29.4	64.6	30.8
48	63.0	60.9	2.17	19	4	14	1	1724	1577	49	228	21.3	64.1	22.5
49	71.8	67.7	1.83	19	8	10	1	1457	1199	30	217	36.9	64.3	37.6
50	74.6	69.6	1.75	19	5	14	0	1389	1082	47	234	40.9	63.8	41.9
51	71.8	67.7	1.83	19	8	10	1	1457	1199	30	217	36.9	64.3	37.6
52	68.4	67.4	1.77	19	4	14	1	1410	1347	66	225	33.7	63.3	35.2
53	72.6	64.3	2.16	19	8	11	0	1717	1166	46	219	31.2	64.3	32.3
54	71.3	64.9	2.06	19	7	11	1	1640	1224	51	213	31.6	64.0	32.7
55	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0

56	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0
57	70.2	67.3	1.83	19	6	12	1	1454	1271	57	212	34.7	63.7	36.0
58	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
59	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
60	65.0	61.2	2.21	19	4	15	0	1754	1492	56	243	22.5	63.4	23.7
61	73.8	68.0	1.86	19	7	11	1	1477	1115	40	225	38.2	64.1	39.1
62	74.2	69.5	1.74	19	5	14	0	1387	1100	37	225	40.7	64.1	41.6
63	56.8	58.0	2.21	19	2	14	3	1754	1839	85	242	13.6	63.5	15.6
64	70.9	69.3	1.68	19	6	13	0	1336	1238	50	238	38.4	63.4	39.5
65	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
66	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
67	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9
68	76.2	72.2	1.57	19	6	13	0	1247	1013	43	217	45.9	64.1	46.9
69	21.6	28.6	2.90	19	0	9	10	2304	3338	84	173	-34.4	63.2	-32.5
70	71.4	66.7	1.91	19	5	14	0	1519	1216	53	217	34.5	63.8	35.7
71	16.7	20.3	3.52	19	0	4	15	2796	3546	69	123	-50.5	62.8	-49.0
72	17.5	28.7	2.33	19	0	4	15	1849	3513	78	146	-27.7	63.7	-25.9
73	72.5	68.2	1.82	19	7	12	0	1443	1171	54	226	37.4	64.2	38.6
74	68.6	65.5	1.94	19	4	15	0	1541	1337	56	244	31.1	63.5	32.4
75	69.6	65.6	1.95	19	6	12	1	1554	1294	31	233	32.4	64.2	33.1
76	71.6	67.5	1.84	19	7	11	1	1466	1208	43	234	36.2	64.2	37.2
77	71.6	67.5	1.84	19	7	11	1	1466	1208	43	234	36.2	64.2	37.2
78	69.7	65.6	1.95	19	5	14	0	1553	1291	47	223	32.1	64.0	33.2
79	72.3	69.3	1.71	19	6	12	1	1362	1181	51	224	39.1	64.3	40.3
80	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1
81	71.4	67.6	1.84	19	8	10	1	1461	1217	40	224	36.2	64.1	37.1
82	69.2	69.0	1.67	19	3	16	0	1324	1311	47	236	37.0	63.4	38.1
83	69.7	68.2	1.74	19	5	13	1	1384	1292	64	217	35.7	63.8	37.1
84	69.7	68.2	1.74	19	5	13	1	1384	1292	64	217	35.7	63.8	37.1

85	75.2	69.7	1.75	19	8	10	1	1389	1057	50	204	41.4	64.1	42.5
86	66.0	62.7	2.10	19	4	15	0	1672	1450	69	214	25.1	63.4	26.7
87	65.8	62.5	2.11	19	4	15	0	1679	1458	69	214	24.7	63.4	26.3
88	66.0	65.9	1.83	19	3	16	0	1456	1448	58	256	30.5	63.4	31.8
89	73.7	65.0	2.13	19	8	10	1	1693	1121	60	228	32.5	64.4	33.9
90	71.4	68.3	1.77	19	5	14	0	1409	1217	47	211	37.2	64.0	38.3
91	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2
92	69.3	65.6	1.95	19	6	12	1	1550	1306	35	223	32.1	64.6	32.9
93	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2
94	72.6	70.6	1.62	19	7	11	1	1286	1166	59	220	41.0	64.1	42.4
95	43.5	45.9	2.74	19	2	13	4	2182	2406	114	294	-10.4	63.0	-7.8
96	41.1	52.7	1.97	19	1	14	4	1569	2510	151	308	0.7	62.8	4.2
97	75.5	70.6	1.68	19	9	9	1	1338	1043	44	215	43.1	64.3	44.1
98	74.1	69.9	1.71	19	6	13	0	1361	1104	47	226	41.0	64.0	42.1
99	69.7	65.8	1.94	19	5	13	1	1541	1290	58	209	32.2	63.9	33.5
100	68.9	68.7	1.68	19	3	16	0	1335	1324	57	241	36.2	63.5	37.5
101	69.9	66.6	1.88	19	6	12	1	1494	1281	45	227	33.8	64.1	34.8
102	70.3	68.1	1.76	19	6	13	0	1401	1265	52	242	36.2	64.0	37.4
103	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
104	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
105	72.4	67.1	1.90	19	7	11	1	1508	1177	43	224	35.9	64.0	36.9
106	71.4	67.9	1.81	19	7	11	1	1439	1220	31	199	36.8	64.2	37.5
107	71.5	68.1	1.79	19	7	11	1	1427	1212	29	198	37.4	64.2	38.0
108	21.1	33.3	2.26	19	1	4	14	1797	3360	87	159	-23.1	63.9	-21.1
109	61.5	60.9	2.12	19	1	17	1	1683	1641	86	256	19.9	64.1	21.9
110	73.3	68.6	1.80	19	7	12	0	1430	1138	47	210	38.6	64.0	39.7
111	75.7	71.7	1.60	19	9	10	0	1272	1034	41	221	44.9	64.0	45.8
112	66.9	65.8	1.86	19	3	16	0	1477	1411	54	215	30.9	63.2	32.1
113	74.9	64.0	2.26	19	8	11	0	1793	1071	52	211	31.5	64.3	32.7
114	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3

115	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4	
116	74.2	68.9	1.80	19	9	10	0	1428	1097	42	254	39.7	64.5	40.7	
117	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3	
118	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4	
119	64.4	58.2	2.48	19	4	14	1	1969	1516	58	271	16.8	64.4	18.1	
120	38.8	47.4	2.31	19	1	16	2	1835	2605	66	194	-5.8	64.5	-4.3	
121	73.9	70.0	1.70	19	7	11	1	1349	1113	49	226	41.0	64.4	42.2	
122	76.4	71.5	1.64	19	8	11	0	1300	1005	37	215	45.0	64.0	45.8	
123	75.5	69.9	1.74	19	9	10	0	1385	1044	60	225	41.6	64.2	42.9	
124	63.0	62.7	2.01	19	3	15	1	1597	1577	80	242	23.6	64.2	25.4	
125	7.5	10.2	3.53	19	0	2	17	2808	3941	52	88	-59.7	64.3	-58.5	
126	68.0	66.2	1.86	19	6	13	0	1478	1361	64	254	31.8	64.5	33.3	
127	31.9	35.2	3.14	19	0	13	6	2497	2902	108	236	-29.3	63.0	-26.8	
128	51.4	51.9	2.55	19	3	14	2	2026	2072	84	277	1.8	63.4	3.7	
129	44.7	48.8	2.52	19	1	15	3	2001	2355	89	269	-4.4	63.1	-2.3	
130	70.4	71.4	1.51	19	7	11	1	1200	1262	43	212	41.2	64.3	42.2	
131	23.3	26.7	3.42	19	1	6	12	2721	3268	129	206	-43.6	62.4	-40.7	
132	22.2	31.1	2.64	19	1	6	12	2100	3312	113	190	-29.7	62.9	-27.1	
133	70.8	66.8	1.88	19	8	10	1	1497	1244	43	242	34.6	64.6	35.6	
134	75.8	71.3	1.64	19	7	12	0	1300	1029	35	229	44.5	64.5	45.3	
135	73.7	70.3	1.67	19	8	10	1	1325	1118	39	215	41.7	64.4	42.6	
136	71.8	68.5	1.77	19	6	13	0	1407	1201	51	227	37.6	63.9	38.7	
137	64.9	59.1	2.41	19	3	15	1	1913	1496	81	281	18.1	64.5	19.9	
138	63.0	63.5	1.94	19	2	17	0	1544	1577	84	292	24.7	64.4	26.7	
139	8.1	11.7	3.29	19	0	2	17	2619	3912	54	90	-54.6	62.3	-53.4	
140	14.1	19.0	3.24	19	0	3	16	2574	3657	51	117	-47.5	62.6	-46.3	
141	10.8	16.9	2.85	19	0	2	17	2266	3797	52	104	-43.6	62.7	-42.4	
142	29.2	42.2	2.15	19	0	12	7	1706	3015	85	195	-12.8	62.3	-10.9	
143	7.3	9.5	3.72	19	0	2	17	2954	3950	37	59	-63.0	62.6	-62.1	

144	9.3	13.1	3.33	19	0	2	17	2644	3862	44	72	-53.8	63.5	-52.8
145	76.7	71.6	1.63	19	8	11	0	1297	993	35	203	45.4	64.1	46.2
146	71.7	67.8	1.83	19	6	13	0	1452	1206	58	213	36.2	63.9	37.5
147	74.3	69.2	1.77	19	8	11	0	1408	1095	63	221	39.8	63.9	41.2
148	66.3	65.9	1.84	19	3	16	0	1463	1434	59	219	30.6	63.1	31.9
149	75.7	67.1	1.99	19	9	10	0	1584	1034	32	207	37.8	64.3	38.5
150	71.4	68.1	1.79	19	5	14	0	1425	1217	46	234	36.9	64.0	37.9
151	70.9	67.3	1.85	19	6	12	1	1468	1238	49	227	35.3	64.7	36.4
152	75.3	70.3	1.70	19	8	11	0	1355	1052	28	216	42.8	64.5	43.5
153	74.5	69.7	1.73	19	9	9	1	1379	1084	28	212	41.5	64.1	42.1
154	72.1	69.8	1.67	19	5	14	0	1329	1190	43	207	39.8	63.7	40.8
155	67.4	61.5	2.26	19	6	12	1	1796	1390	68	253	23.6	64.6	25.2
156	67.6	68.7	1.65	19	3	16	0	1313	1381	50	270	35.6	64.9	36.7
157	73.4	67.4	1.90	19	7	11	1	1511	1135	58	218	36.5	64.2	37.8
158	75.3	70.3	1.70	19	8	11	0	1355	1051	42	227	42.5	64.0	43.5
159	75.1	70.1	1.71	19	7	12	0	1363	1060	53	237	41.9	64.3	43.1
160	70.6	69.5	1.66	19	4	15	0	1320	1254	66	236	38.0	63.5	39.5
161	72.7	65.2	2.07	19	8	11	0	1649	1163	53	234	32.7	64.5	33.9
162	69.7	67.2	1.82	19	5	14	0	1448	1290	57	238	34.4	64.4	35.7
163	42.2	45.3	2.73	19	1	13	5	2169	2460	107	266	-11.2	63.2	-8.7
164	59.0	59.9	2.11	19	2	15	2	1680	1746	80	274	17.7	64.0	19.5
165	51.4	52.7	2.47	19	2	15	2	1967	2068	98	293	3.0	63.6	5.2
166	70.3	70.0	1.62	19	7	11	1	1285	1263	58	234	38.8	64.4	40.1
167	29.3	33.7	3.09	19	1	11	7	2458	3012	126	222	-31.4	63.1	-28.5
168	24.9	40.5	1.96	19	1	6	12	1558	3199	146	245	-15.1	62.7	-11.7
169	72.1	67.2	1.88	19	7	11	1	1498	1189	33	213	36.1	64.6	36.9
170	75.6	68.8	1.84	19	9	10	0	1459	1040	31	223	40.6	64.4	41.3
171	72.7	67.8	1.85	19	7	11	1	1471	1164	42	209	37.1	64.2	38.1
172	72.2	69.9	1.66	19	7	12	0	1322	1183	47	222	40.1	63.6	41.1
173	69.3	62.9	2.19	19	4	14	1	1741	1306	66	254	26.9	64.6	28.4

174	64.7	62.9	2.05	19	2	17	0	1626	1504	87	292	24.5	64.3	26.5
175	12.3	19.3	2.75	19	0	4	15	2189	3734	72	133	-40.8	63.4	-39.1
176	14.2	16.6	3.80	19	0	3	16	3021	3656	57	125	-58.1	63.3	-56.8
177	13.7	19.3	3.06	19	0	5	14	2429	3677	66	130	-44.9	63.5	-43.4
178	42.1	51.7	2.11	19	1	15	3	1675	2468	73	231	1.0	63.1	2.7
179	10.6	15.1	3.21	19	0	2	17	2550	3807	80	102	-51.1	62.1	-49.3
180	12.3	16.9	3.23	19	0	2	17	2567	3736	47	92	-49.1	63.7	-48.0
181	75.8	71.0	1.65	19	9	10	0	1315	1032	44	208	43.9	64.1	44.9
182	72.1	69.1	1.73	19	7	12	0	1374	1187	45	223	38.8	63.5	39.8
183	74.3	70.9	1.63	19	7	12	0	1299	1096	56	228	42.5	63.9	43.7
184	65.0	63.8	1.98	19	3	16	0	1573	1489	67	244	26.5	63.2	28.1
185	75.4	67.8	1.92	19	8	11	0	1524	1046	37	209	38.8	64.3	39.6
186	72.3	69.5	1.70	19	5	14	0	1354	1180	43	232	39.5	64.0	40.5
187	71.7	66.5	1.94	19	6	12	1	1539	1204	38	216	34.7	64.5	35.6
188	73.6	69.5	1.73	19	8	11	0	1375	1126	39	240	40.4	64.2	41.2
189	73.1	69.7	1.71	19	8	10	1	1356	1147	46	222	40.2	64.2	41.2
190	70.5	68.5	1.73	19	6	13	0	1379	1255	58	232	36.8	63.7	38.1
191	67.9	62.3	2.20	19	6	12	1	1752	1368	54	229	25.5	64.7	26.7
192	67.6	66.5	1.83	19	4	15	0	1454	1378	49	272	32.4	64.8	33.5
193	74.6	70.7	1.65	19	7	11	1	1315	1081	48	226	42.6	64.3	43.7
194	74.1	70.6	1.65	19	7	12	0	1313	1103	35	213	42.5	64.1	43.2
195	75.5	72.2	1.56	19	9	10	0	1241	1042	41	211	45.4	64.1	46.4
196	67.7	67.0	1.78	19	4	15	0	1419	1377	68	244	32.8	63.4	34.3
197	73.0	64.2	2.18	19	8	10	1	1735	1148	53	234	31.1	64.4	32.3
198	71.9	69.1	1.72	19	6	13	0	1367	1198	40	231	38.8	64.3	39.7
199	49.1	50.5	2.58	19	2	14	3	2049	2167	80	279	-0.9	63.5	1.0
200	61.7	60.7	2.14	19	3	15	1	1705	1631	60	247	20.3	64.5	21.6
201	58.3	59.9	2.09	19	2	15	2	1665	1775	67	266	17.7	64.1	19.2
202	69.9	70.1	1.60	19	8	10	1	1269	1281	47	214	39.0	64.2	40.1

203	36.9	43.0	2.62	19	1	12	6	2082	2689	123	276	-14.9	63.0	-12.1
204	30.9	45.4	1.99	19	2	10	7	1583	2942	165	278	-10.1	62.3	-6.3
205	72.7	69.0	1.75	19	8	10	1	1394	1162	55	229	38.7	64.3	39.9
206	75.0	70.9	1.65	19	7	12	0	1308	1066	37	242	43.4	64.1	44.2
207	75.4	71.0	1.65	19	9	9	1	1310	1047	43	195	43.6	64.2	44.6
208	71.8	71.9	1.50	19	7	12	0	1194	1199	49	230	42.7	63.5	43.8
209	69.1	60.7	2.39	19	6	12	1	1904	1318	60	233	22.9	64.5	24.3
210	67.8	67.2	1.77	19	5	14	0	1408	1370	72	266	33.1	64.5	34.7
211	16.0	19.2	3.61	19	0	3	16	2869	3578	72	140	-53.1	63.1	-51.4
212	22.4	29.2	2.91	19	0	9	10	2316	3305	75	165	-33.7	62.7	-32.0
213	19.3	23.9	3.29	19	0	5	14	2617	3438	67	141	-43.7	63.4	-42.2
214	46.8	53.2	2.21	19	2	15	2	1753	2266	86	262	3.6	63.5	5.6
215	13.1	19.2	2.95	19	0	2	17	2348	3702	62	103	-43.5	64.0	-42.1
216	15.1	28.2	2.06	19	0	2	17	1639	3615	74	117	-25.1	63.2	-23.4
217	75.5	69.9	1.74	19	7	12	0	1382	1043	49	209	41.9	64.1	43.0
218	73.5	68.6	1.81	19	7	12	0	1436	1128	46	211	38.7	63.9	39.8
219	75.0	71.8	1.58	19	8	11	0	1257	1064	52	226	44.3	64.1	45.5
220	66.5	65.6	1.87	19	3	16	0	1485	1425	51	222	30.5	63.2	31.6
221	75.9	64.0	2.29	19	7	12	0	1819	1025	46	205	32.1	64.3	33.2
222	69.9	67.1	1.84	19	5	14	0	1460	1280	66	239	34.1	64.2	35.6
223	70.6	67.5	1.82	19	6	12	1	1449	1252	44	252	35.5	65.0	36.5
224	73.8	68.3	1.84	19	7	12	0	1460	1116	49	232	38.4	64.6	39.5
225	73.0	68.7	1.78	19	8	10	1	1416	1148	44	231	38.8	64.3	39.8
226	73.6	71.5	1.57	19	6	13	0	1250	1123	43	233	43.3	63.8	44.2
227	63.9	59.4	2.34	19	2	16	1	1858	1539	77	286	18.4	64.5	20.2
228	63.0	65.8	1.75	19	3	15	1	1394	1576	100	308	27.9	64.5	30.2
229	74.6	70.2	1.69	19	9	9	1	1346	1082	34	233	42.2	64.4	43.0
230	75.1	70.8	1.66	19	8	11	0	1317	1062	42	215	43.2	64.1	44.1
231	76.7	70.0	1.76	19	9	10	0	1400	992	49	211	42.7	64.2	43.8
232	71.5	69.2	1.70	19	7	12	0	1354	1213	39	226	38.8	63.6	39.7

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233	72.0	64.8	2.09	19	6	12	1	1663	1192	45	240	31.9	64.5	32.9
234	69.2	67.8	1.76	19	6	13	0	1400	1311	62	263	34.9	64.3	36.3
235	33.9	35.9	3.25	19	1	12	6	2580	2814	90	214	-28.8	63.5	-26.7
236	52.4	53.7	2.42	19	2	15	2	1924	2026	107	303	4.7	63.7	7.2
237	43.7	45.1	2.85	19	1	16	2	2266	2399	103	262	-12.0	63.5	-9.6
238	71.0	69.2	1.70	19	7	11	1	1348	1237	40	202	38.4	64.4	39.3
239	25.4	29.8	3.21	19	1	9	9	2550	3177	127	207	-37.5	62.8	-34.5
240	20.1	34.1	2.08	19	1	5	13	1654	3403	136	206	-21.9	63.3	-18.8
241	73.1	68.8	1.78	19	7	11	1	1414	1144	40	218	39.0	64.6	39.9
242	76.2	72.1	1.58	19	8	11	0	1259	1012	28	210	46.0	64.4	46.6
243	72.9	70.4	1.64	19	8	10	1	1305	1156	42	244	41.2	64.2	42.2
244	71.8	68.7	1.75	19	5	14	0	1390	1203	37	223	38.2	64.0	39.1
245	65.7	62.7	2.10	19	2	16	1	1666	1462	100	293	24.2	64.5	26.5
246	64.0	66.3	1.74	19	3	15	1	1387	1534	89	316	29.3	64.4	31.4
247	9.2	12.6	3.40	19	0	2	17	2706	3869	49	93	-55.5	62.2	-54.4
248	13.8	16.4	3.76	19	0	3	16	2989	3673	47	103	-57.5	62.7	-56.5
249	12.1	19.4	2.70	19	0	2	17	2150	3743	68	111	-40.0	62.6	-38.4
250	31.9	46.9	1.94	19	0	12	7	1542	2899	92	195	-6.4	62.0	-4.3
251	9.4	12.1	3.63	19	0	2	17	2888	3860	47	80	-59.5	61.8	-58.5
252	9.7	13.4	3.37	19	0	2	17	2677	3845	41	70	-54.1	64.3	-53.2
253	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
254	72.6	68.7	1.77	19	6	13	0	1407	1169	46	215	38.4	63.8	39.5
255	73.6	69.5	1.73	19	8	11	0	1376	1123	52	224	40.1	64.1	41.3
256	65.2	64.3	1.94	19	3	16	0	1542	1483	60	234	27.6	63.1	28.9
257	76.5	68.5	1.88	19	8	11	0	1497	1002	34	203	40.5	64.5	41.3
258	71.6	68.8	1.74	19	7	12	0	1383	1211	49	208	37.9	63.9	39.1
259	70.0	66.9	1.86	19	5	13	1	1476	1277	50	247	34.2	64.5	35.3
260	74.1	69.6	1.74	19	6	13	0	1382	1102	49	229	40.5	64.4	41.6
261	73.8	68.2	1.84	19	9	9	1	1464	1115	45	207	38.4	64.1	39.4

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262	71.8	70.4	1.62	19	6	13	0	1287	1199	47	241	40.5	63.7	41.6	
263	68.8	65.2	1.96	19	6	12	1	1560	1330	67	251	30.6	64.6	32.1	
264	65.7	66.8	1.75	19	1	18	0	1389	1460	74	269	31.4	64.8	33.1	
265	73.1	69.2	1.75	19	8	10	1	1388	1144	56	226	39.2	64.4	40.5	
266	73.7	69.4	1.74	19	6	13	0	1387	1118	46	210	40.1	63.9	41.1	
267	75.4	70.7	1.68	19	8	11	0	1334	1047	53	198	42.9	64.3	44.1	
268	70.3	68.6	1.72	19	5	14	0	1370	1263	47	231	37.1	63.3	38.1	
269	72.9	64.5	2.15	19	7	12	0	1706	1155	34	222	32.0	64.4	32.8	
270	70.6	69.3	1.67	19	6	13	0	1329	1254	51	236	38.2	64.4	39.3	
271	43.8	44.7	2.91	19	2	12	5	2310	2394	70	235	-12.1	62.9	-10.5	
272	59.6	59.8	2.15	19	2	15	2	1708	1722	69	269	17.8	64.3	19.4	
273	50.4	51.7	2.52	19	3	14	2	2003	2111	106	283	0.9	63.8	3.4	
274	72.4	72.1	1.50	19	7	11	1	1195	1174	42	223	43.4	64.3	44.3	
275	30.7	36.6	2.85	19	1	10	8	2262	2953	125	239	-25.4	63.3	-22.5	
276	27.4	43.2	1.93	19	1	11	7	1538	3091	155	265	-12.3	63.0	-8.7	
277	71.0	66.3	1.93	19	6	12	1	1534	1236	51	226	33.8	64.2	34.9	
278	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3	
279	74.4	69.0	1.79	19	8	10	1	1422	1092	33	212	40.2	64.2	40.9	
280	73.0	71.6	1.55	19	6	13	0	1234	1149	44	214	43.0	63.6	44.0	
281	69.2	64.4	2.05	19	4	14	1	1629	1312	58	245	29.6	64.3	30.9	
282	64.8	65.5	1.83	19	2	17	0	1453	1498	82	301	28.8	64.7	30.7	
283	13.0	18.1	3.13	19	0	3	16	2492	3707	70	125	-47.2	63.4	-45.6	
284	17.6	25.2	2.80	19	0	4	15	2228	3509	84	179	-36.7	62.8	-34.7	
285	16.7	22.5	3.10	19	0	4	15	2462	3546	72	132	-42.8	63.1	-41.1	
286	40.6	49.9	2.18	19	3	12	4	1737	2529	89	239	-2.3	63.2	-0.2	
287	12.1	16.3	3.34	19	0	2	17	2652	3743	73	118	-51.9	62.4	-50.2	
288	13.0	22.7	2.36	19	0	2	17	1880	3707	67	105	-32.8	63.2	-31.2	
289	74.6	69.9	1.72	19	7	12	0	1369	1082	45	204	41.4	64.0	42.4	
290	72.0	69.2	1.71	19	7	12	0	1362	1194	47	232	38.9	63.7	39.9	
291	73.8	70.3	1.67	19	8	11	0	1328	1117	48	229	41.5	63.7	42.6	

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292	65.9	64.6	1.93	19	5	14	0	1535	1453	55	229	28.6	63.2	29.8	
293	75.8	69.1	1.82	19	8	11	0	1444	1029	44	221	40.9	64.3	41.9	
294	72.2	69.7	1.68	19	6	13	0	1339	1182	45	223	39.8	63.9	40.8	
295	71.6	67.7	1.83	19	7	11	1	1455	1209	44	234	36.4	64.2	37.4	
296	74.7	72.3	1.53	19	7	12	0	1217	1076	41	228	45.2	64.1	46.1	
297	72.9	67.8	1.86	19	8	10	1	1476	1154	31	214	37.5	64.2	38.2	
298	70.7	70.0	1.62	19	6	13	0	1287	1250	44	234	39.4	63.8	40.4	
299	68.7	61.8	2.27	19	6	12	1	1806	1332	46	239	25.2	64.4	26.3	
300	67.2	67.7	1.72	19	3	16	0	1368	1395	65	276	33.6	64.7	35.1	
301	73.2	68.4	1.81	19	7	11	1	1442	1141	53	221	38.1	64.2	39.3	
302	73.1	69.7	1.70	19	5	14	0	1350	1147	58	222	40.0	64.0	41.3	
303	74.9	71.7	1.58	19	7	12	0	1260	1070	45	198	44.2	64.2	45.3	
304	68.4	67.3	1.78	19	4	14	1	1416	1347	49	241	34.0	63.4	35.1	
305	73.0	66.2	1.99	19	6	12	1	1586	1148	58	210	34.4	64.5	35.8	
306	71.9	69.8	1.66	19	6	13	0	1323	1198	50	219	39.6	64.2	40.8	
307	51.0	54.0	2.32	19	3	13	3	1845	2089	97	267	5.4	63.5	7.6	
308	63.2	62.3	2.04	19	5	12	2	1625	1568	43	232	24.0	64.4	25.0	
309	59.6	59.4	2.18	19	2	15	2	1733	1721	65	270	17.4	64.3	18.9	
310	71.7	71.9	1.50	19	7	11	1	1193	1207	37	200	42.8	64.2	43.6	
311	37.3	40.9	2.89	19	1	14	4	2299	2670	120	255	-19.5	63.2	-16.7	
312	33.1	48.3	1.90	19	2	9	8	1508	2849	144	260	-5.7	62.7	-2.4	
313	73.6	68.8	1.79	19	8	10	1	1422	1124	39	238	39.3	64.1	40.2	
314	76.4	72.3	1.57	19	7	12	0	1246	1006	44	226	46.1	64.1	47.1	
315	74.6	71.0	1.63	19	9	9	1	1295	1081	42	211	43.2	64.3	44.2	
316	72.2	71.3	1.56	19	7	12	0	1237	1186	52	243	41.9	63.5	43.1	
317	70.7	64.5	2.08	19	7	12	0	1657	1247	55	243	30.5	64.2	31.8	
318	67.7	66.2	1.86	19	3	16	0	1475	1376	83	278	31.1	64.4	33.0	
319	16.6	19.7	3.63	19	0	3	16	2889	3552	91	142	-53.4	62.4	-51.3	
320	24.2	29.6	3.08	19	0	10	9	2449	3227	72	165	-35.0	63.5	-33.3	

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321	20.0	23.8	3.43	19	0	6	13	2726	3406	71	163	-45.6	62.8	-44.0
322	50.4	55.8	2.14	19	3	14	2	1699	2111	60	252	9.1	63.4	10.5
323	15.8	21.2	3.14	19	0	2	17	2493	3587	64	136	-44.3	63.4	-42.8
324	18.1	23.8	3.10	19	0	2	17	2465	3490	70	142	-41.5	63.7	-39.9

Tabla I.1: Resultados del MOT Challenge en el filtro de sustracción de fondo.

I.6.2. Según las métricas de diferencia en el conteo de personas

Bloque	Conf	Nro. de Personas vs GT			Nro. de Tracklets vs GT			Nro. interpolado vs GT		
		Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima
	mejor	1.09	0	4	0.40	0	3	0.40	0	3
	peor	2.95	0	8	1.99	0	6	2.00	0	6
1	1	1.31	0	6	0.61	0	3	0.60	0	3
	2	1.47	0	7	0.76	0	4	0.77	0	4
	3	1.82	0	7	1.01	0	5	0.94	0	5
	4	1.23	0	5	0.55	0	3	0.55	0	3
	5	1.14	0	5	0.51	0	3	0.52	0	3
	6	1.17	0	5	0.76	0	4	0.73	0	4
	7	1.44	0	6	0.63	0	3	0.63	0	3
	8	1.19	0	5	0.49	0	3	0.50	0	3
	9	1.13	0	5	0.79	0	4	0.78	0	4
	10	1.31	0	5	0.65	0	3	0.67	0	3
	11	1.50	0	6	0.80	0	4	0.79	0	4
	12	2.08	0	7	0.97	0	5	0.99	0	5
	13	1.12	0	5	0.52	0	3	0.47	0	3
	14	1.09	0	5	0.50	0	3	0.48	0	3
	15	1.21	0	6	0.73	0	5	0.71	0	5
	16	1.26	0	6	0.42	0	4	0.40	0	4
	17	1.14	0	6	0.51	0	4	0.51	0	3
	18	1.17	0	6	0.58	0	4	0.58	0	4
	19	1.33	0	5	0.69	0	3	0.69	0	3
	20	1.59	0	6	0.74	0	5	0.74	0	5
	21	2.37	0	8	1.39	0	6	1.39	0	6
	22	1.12	0	4	0.51	0	3	0.49	0	3
	23	1.10	0	4	0.56	0	3	0.54	0	3
	24	1.27	0	6	0.74	0	5	0.72	0	5
	25	1.22	0	6	0.40	0	3	0.41	0	3
	26	1.15	0	5	0.62	0	4	0.59	0	4

27	1.23	0	6	0.64	0	3	0.66	0	3	
28	1.31	0	6	0.61	0	3	0.60	0	3	
29	1.31	0	6	0.61	0	3	0.60	0	3	
30	1.31	0	6	0.61	0	3	0.60	0	3	
31	1.47	0	7	0.76	0	4	0.77	0	4	
32	1.47	0	7	0.76	0	4	0.77	0	4	
33	1.47	0	7	0.76	0	4	0.77	0	4	
34	1.82	0	7	1.01	0	5	0.94	0	5	
35	1.82	0	7	1.01	0	5	0.94	0	5	
36	1.82	0	7	1.01	0	5	0.94	0	5	
37	1.23	0	5	0.55	0	3	0.55	0	3	
38	1.23	0	5	0.55	0	3	0.55	0	3	
39	1.23	0	5	0.55	0	3	0.55	0	3	
40	1.14	0	5	0.51	0	3	0.52	0	3	
41	1.14	0	5	0.51	0	3	0.52	0	3	
42	1.14	0	5	0.51	0	3	0.52	0	3	
43	1.17	0	5	0.76	0	4	0.73	0	4	
44	1.17	0	5	0.76	0	4	0.73	0	4	
45	1.17	0	5	0.76	0	4	0.73	0	4	
46	1.44	0	6	0.63	0	3	0.63	0	3	
47	1.44	0	6	0.63	0	3	0.63	0	3	
48	1.44	0	6	0.63	0	3	0.63	0	3	
49	1.19	0	5	0.49	0	3	0.50	0	3	
50	1.19	0	5	0.49	0	3	0.50	0	3	
51	1.19	0	5	0.49	0	3	0.50	0	3	
52	1.13	0	5	0.79	0	4	0.78	0	4	
53	1.13	0	5	0.79	0	4	0.78	0	4	
54	1.13	0	5	0.79	0	4	0.78	0	4	
55	1.31	0	5	0.65	0	3	0.67	0	3	

56	1.31	0	5	0.65	0	3	0.67	0	3
57	1.31	0	5	0.65	0	3	0.67	0	3
58	1.50	0	6	0.80	0	4	0.79	0	4
59	1.50	0	6	0.80	0	4	0.79	0	4
60	1.50	0	6	0.80	0	4	0.79	0	4
61	2.08	0	7	0.97	0	5	0.99	0	5
62	2.08	0	7	0.97	0	5	0.99	0	5
63	2.08	0	7	0.97	0	5	0.99	0	5
64	1.12	0	5	0.52	0	3	0.47	0	3
65	1.12	0	5	0.52	0	3	0.47	0	3
66	1.12	0	5	0.52	0	3	0.47	0	3
67	1.09	0	5	0.50	0	3	0.48	0	3
68	1.09	0	5	0.50	0	3	0.48	0	3
69	1.09	0	5	0.50	0	3	0.48	0	3
70	1.21	0	6	0.73	0	5	0.71	0	5
71	1.21	0	6	0.73	0	5	0.71	0	5
72	1.21	0	6	0.73	0	5	0.71	0	5
73	1.26	0	6	0.42	0	4	0.40	0	4
74	1.26	0	6	0.42	0	4	0.40	0	4
75	1.26	0	6	0.41	0	4	0.40	0	4
76	1.14	0	6	0.51	0	4	0.51	0	3
77	1.14	0	6	0.51	0	4	0.51	0	3
78	1.14	0	6	0.51	0	4	0.51	0	3
79	1.17	0	6	0.58	0	4	0.58	0	4
80	1.17	0	6	0.58	0	4	0.58	0	4
81	1.17	0	6	0.58	0	4	0.58	0	4
82	1.33	0	5	0.69	0	3	0.69	0	3
83	1.33	0	5	0.69	0	3	0.69	0	3
84	1.33	0	5	0.69	0	3	0.69	0	3
85	1.59	0	6	0.74	0	5	0.74	0	5

86	1.59	0	6	0.74	0	5	0.74	0	5
87	1.59	0	6	0.74	0	5	0.74	0	5
88	2.37	0	8	1.39	0	6	1.39	0	6
89	2.37	0	8	1.39	0	6	1.39	0	6
90	2.37	0	8	1.39	0	6	1.39	0	6
91	1.12	0	4	0.51	0	3	0.49	0	3
92	1.12	0	4	0.51	0	3	0.49	0	3
93	1.12	0	4	0.51	0	3	0.49	0	3
94	1.10	0	4	0.56	0	3	0.54	0	3
95	1.10	0	4	0.56	0	3	0.54	0	3
96	1.10	0	4	0.56	0	3	0.54	0	3
97	1.27	0	6	0.74	0	5	0.72	0	5
98	1.27	0	6	0.74	0	5	0.72	0	5
99	1.27	0	6	0.74	0	5	0.72	0	5
100	1.22	0	6	0.40	0	3	0.41	0	3
101	1.22	0	6	0.40	0	3	0.41	0	3
102	1.22	0	6	0.40	0	3	0.41	0	3
103	1.15	0	5	0.62	0	4	0.59	0	4
104	1.15	0	5	0.62	0	4	0.59	0	4
105	1.15	0	5	0.62	0	4	0.59	0	4
106	1.24	0	6	0.71	0	5	0.71	0	5
107	1.25	0	6	0.71	0	5	0.72	0	5
108	1.24	0	6	0.71	0	5	0.71	0	5
109	1.74	0	6	0.76	0	4	0.72	0	4
110	2.95	0	8	1.99	0	6	2.00	0	6
111	2.77	0	7	1.38	0	5	1.43	0	5
112	1.76	0	6	0.76	0	3	0.73	0	3
113	2.95	0	8	1.99	0	6	2.00	0	6
114	2.77	0	7	1.38	0	5	1.43	0	5

115	1.76	0	6	0.76	0	3	0.73	0	3	
116	2.95	0	8	1.99	0	6	2.00	0	6	
117	2.77	0	7	1.38	0	5	1.43	0	5	
118	1.76	0	6	0.76	0	3	0.73	0	3	
119	2.95	0	8	1.99	0	6	2.00	0	6	
120	2.77	0	7	1.38	0	5	1.43	0	5	
121	1.76	0	6	0.76	0	3	0.73	0	3	
122	2.95	0	8	1.99	0	6	2.00	0	6	
123	2.77	0	7	1.38	0	5	1.43	0	5	
124	1.76	0	6	0.76	0	3	0.73	0	3	
125	2.95	0	8	1.99	0	6	2.00	0	6	
126	2.77	0	7	1.38	0	5	1.43	0	5	
mejor	0.92	0	4	0.40	0	2	0.40	0	2	
peor	3.87	0	8	2.62	0	9	2.64	0	9	
1	1.02	0	5	0.60	0	4	0.60	0	4	
2	1.19	0	6	0.65	0	4	0.63	0	3	
3	1.17	0	5	0.62	0	4	0.63	0	4	
4	1.81	0	7	0.92	0	4	0.89	0	3	
5	1.12	0	6	1.68	0	7	1.55	0	7	
6	1.23	0	7	0.63	0	3	0.61	0	3	
7	1.18	0	5	0.54	0	3	0.53	0	3	
8	1.05	0	5	0.52	0	3	0.50	0	3	
9	1.11	0	6	0.52	0	3	0.52	0	3	
10	1.30	0	6	0.60	0	3	0.61	0	3	
11	1.38	0	6	0.73	0	6	0.72	0	6	
12	1.68	0	6	0.69	0	4	0.69	0	4	
13	1.09	0	6	0.53	0	4	0.53	0	3	
14	1.06	0	6	0.55	0	4	0.55	0	4	
15	1.02	0	5	0.54	0	3	0.54	0	3	
16	1.43	0	7	0.57	0	3	0.57	0	3	

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17	1.12	0	5	0.78	0	5	0.75	0	5
18	1.40	0	7	0.68	0	3	0.66	0	3
19	2.26	0	6	0.85	0	5	0.90	0	5
20	1.76	0	5	0.64	0	3	0.64	0	3
21	1.93	0	7	0.69	0	3	0.72	0	3
22	1.36	0	5	0.52	0	3	0.54	0	3
23	2.66	0	6	1.26	0	5	1.30	0	5
24	3.40	0	7	2.19	0	6	2.22	0	6
25	1.16	0	5	0.45	0	3	0.46	0	3
26	1.03	0	6	0.56	0	3	0.53	0	3
27	1.13	0	5	0.47	0	4	0.47	0	4
28	1.28	0	6	0.57	0	3	0.55	0	3
29	1.37	0	5	0.83	0	4	0.79	0	4
30	1.71	0	6	0.58	0	3	0.57	0	3
31	3.47	0	7	2.15	0	5	2.19	0	5
32	2.74	0	7	1.52	0	6	1.53	0	6
33	3.26	0	8	1.86	0	6	1.90	0	6
34	2.90	0	7	1.72	0	5	1.73	0	5
35	2.93	0	8	1.43	0	5	1.50	0	5
36	3.00	0	8	1.63	0	5	1.70	0	5
37	1.07	0	6	0.51	0	3	0.51	0	3
38	1.29	0	7	0.68	0	4	0.66	0	3
39	1.18	0	6	0.63	0	4	0.62	0	4
40	1.83	0	7	0.88	0	4	0.87	0	4
41	1.07	0	7	1.09	0	9	1.03	0	9
42	1.23	0	7	0.71	0	4	0.68	0	4
43	1.16	0	5	0.56	0	3	0.57	0	3
44	1.06	0	6	0.67	0	3	0.65	0	3
45	1.13	0	6	0.59	0	3	0.58	0	3

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46	1.35	0	6	0.69	0	3	0.68	0	3
47	1.32	0	6	0.78	0	5	0.77	0	5
48	1.58	0	7	0.63	0	3	0.61	0	3
49	1.10	0	5	0.62	0	5	0.60	0	5
50	1.10	0	6	0.48	0	3	0.47	0	3
51	1.07	0	5	0.63	0	4	0.62	0	4
52	1.51	0	7	0.67	0	3	0.68	0	3
53	1.13	0	5	0.77	0	7	0.74	0	7
54	1.36	0	7	0.71	0	4	0.67	0	3
55	2.10	0	6	0.77	0	4	0.78	0	4
56	1.59	0	5	0.68	0	3	0.68	0	3
57	1.78	0	6	0.64	0	3	0.66	0	3
58	1.31	0	5	0.62	0	4	0.62	0	3
59	2.59	0	6	1.25	0	4	1.27	0	4
60	3.20	0	7	1.94	0	5	1.97	0	5
61	1.12	0	5	0.48	0	3	0.47	0	3
62	1.06	0	5	0.59	0	3	0.57	0	3
63	1.13	0	5	0.58	0	3	0.55	0	3
64	1.37	0	6	0.60	0	3	0.60	0	3
65	1.27	0	5	0.85	0	5	0.81	0	5
66	1.54	0	7	0.55	0	3	0.55	0	3
67	3.35	0	8	1.76	0	5	1.82	0	5
68	3.05	0	7	1.39	0	5	1.44	0	5
69	3.03	0	7	1.66	0	6	1.69	0	6
70	2.41	0	7	0.96	0	3	0.99	0	4
71	2.97	0	7	1.45	0	5	1.51	0	5
72	3.65	0	8	2.26	0	6	2.32	0	6
73	1.08	0	6	0.56	0	5	0.56	0	4
74	1.36	0	7	0.68	0	3	0.67	0	3
75	1.20	0	6	0.64	0	2	0.62	0	2

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76	1.85	0	7	0.80	0	4	0.81	0	4
77	1.08	0	7	1.07	0	8	1.03	0	8
78	1.25	0	7	0.71	0	3	0.69	0	3
79	1.14	0	6	0.55	0	3	0.56	0	3
80	1.05	0	6	0.59	0	3	0.57	0	3
81	1.15	0	5	0.56	0	3	0.56	0	3
82	1.45	0	7	0.68	0	3	0.69	0	3
83	1.22	0	5	0.71	0	4	0.68	0	4
84	1.45	0	7	0.63	0	3	0.62	0	3
85	1.08	0	5	0.58	0	4	0.58	0	4
86	1.17	0	7	0.48	0	3	0.48	0	3
87	1.07	0	5	0.46	0	3	0.47	0	3
88	1.61	0	7	0.71	0	3	0.71	0	3
89	1.11	0	5	0.91	0	5	0.86	0	5
90	1.28	0	7	0.72	0	3	0.70	0	3
91	1.81	0	6	0.61	0	3	0.62	0	3
92	1.41	0	6	0.53	0	3	0.51	0	3
93	1.52	0	5	0.61	0	4	0.61	0	4
94	1.26	0	6	0.55	0	3	0.55	0	3
95	2.36	0	6	1.07	0	4	1.05	0	4
96	2.93	0	6	1.58	0	5	1.60	0	5
97	1.14	0	5	0.47	0	3	0.47	0	3
98	1.09	0	6	0.52	0	3	0.52	0	3
99	1.09	0	5	0.50	0	3	0.48	0	3
100	1.44	0	7	0.65	0	3	0.66	0	3
101	1.21	0	5	0.75	0	4	0.73	0	4
102	1.44	0	7	0.59	0	3	0.57	0	3
103	3.48	0	8	1.92	0	6	1.97	0	6
104	2.74	0	7	1.10	0	3	1.15	0	3

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105	2.80	0	7	1.12	0	4	1.19	0	4
106	2.06	0	7	0.79	0	4	0.81	0	4
107	3.12	0	7	1.64	0	5	1.68	0	5
108	3.54	0	8	2.12	0	6	2.18	0	6
109	1.01	0	6	0.63	0	3	0.59	0	3
110	1.12	0	6	0.67	0	3	0.65	0	3
111	1.07	0	4	0.50	0	3	0.51	0	3
112	1.56	0	7	0.64	0	3	0.63	0	3
113	0.92	0	5	0.96	0	5	0.91	0	5
114	1.21	0	7	0.76	0	3	0.74	0	3
115	1.22	0	6	0.53	0	5	0.51	0	5
116	0.98	0	5	0.55	0	3	0.53	0	3
117	1.14	0	6	0.46	0	3	0.46	0	3
118	1.17	0	5	0.52	0	3	0.53	0	3
119	1.38	0	5	0.80	0	5	0.75	0	5
120	1.84	0	6	0.78	0	4	0.77	0	4
121	1.14	0	5	0.53	0	4	0.54	0	4
122	0.99	0	4	0.55	0	3	0.55	0	3
123	0.98	0	5	0.59	0	3	0.58	0	3
124	1.33	0	6	0.52	0	3	0.53	0	3
125	1.17	0	5	0.66	0	5	0.62	0	5
126	1.44	0	6	0.67	0	4	0.64	0	3
127	2.54	0	7	1.01	0	4	1.04	0	4
128	1.92	0	6	0.67	0	3	0.69	0	3
129	2.19	0	7	0.97	0	5	0.98	0	5
130	1.52	0	6	0.58	0	4	0.59	0	4
131	2.66	0	7	1.44	0	6	1.46	0	6
132	3.23	0	8	1.79	0	7	1.83	0	7
133	1.24	0	5	0.48	0	4	0.49	0	4
134	1.00	0	6	0.51	0	3	0.50	0	3

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135	1.14	0	5	0.49	0	4	0.50	0	4
136	1.19	0	5	0.52	0	4	0.49	0	3
137	1.39	0	6	0.81	0	6	0.78	0	6
138	1.84	0	6	0.65	0	4	0.64	0	4
139	3.37	0	8	1.94	0	6	1.97	0	6
140	3.06	0	8	1.86	0	5	1.88	0	5
141	3.54	0	8	2.24	0	6	2.29	0	6
142	3.25	0	8	2.00	0	5	2.00	0	5
143	3.11	0	8	1.71	0	6	1.74	0	6
144	3.26	0	7	1.99	0	6	2.01	0	6
145	1.02	0	5	0.55	0	4	0.52	0	4
146	1.18	0	7	0.58	0	3	0.58	0	3
147	1.09	0	5	0.64	0	4	0.62	0	3
148	1.63	0	7	0.70	0	4	0.73	0	4
149	0.94	0	5	0.78	0	5	0.74	0	5
150	1.20	0	7	0.69	0	4	0.66	0	3
151	1.15	0	6	0.47	0	4	0.48	0	4
152	0.95	0	5	0.52	0	2	0.50	0	2
153	1.09	0	6	0.47	0	3	0.47	0	3
154	1.23	0	6	0.52	0	3	0.54	0	3
155	1.30	0	5	0.80	0	6	0.73	0	6
156	1.66	0	6	0.63	0	3	0.63	0	3
157	1.08	0	5	0.57	0	4	0.57	0	4
158	1.01	0	4	0.59	0	3	0.57	0	3
159	1.00	0	4	0.58	0	4	0.54	0	4
160	1.39	0	7	0.66	0	4	0.66	0	3
161	1.11	0	5	0.73	0	4	0.68	0	4
162	1.37	0	6	0.66	0	3	0.63	0	3
163	2.31	0	7	0.94	0	4	0.97	0	4

164	1.72	0	6	0.65	0	3	0.66	0	3
165	1.93	0	7	0.83	0	4	0.81	0	4
166	1.42	0	6	0.52	0	3	0.53	0	3
167	2.77	0	7	1.32	0	4	1.32	0	4
168	3.57	0	7	2.29	0	6	2.31	0	6
169	1.15	0	6	0.49	0	4	0.51	0	4
170	0.99	0	6	0.53	0	4	0.51	0	4
171	1.12	0	5	0.54	0	3	0.54	0	3
172	1.24	0	6	0.55	0	3	0.57	0	3
173	1.34	0	5	0.87	0	7	0.79	0	7
174	1.63	0	6	0.59	0	4	0.58	0	4
175	3.57	0	8	2.11	0	7	2.15	0	7
176	2.71	0	7	1.29	0	5	1.31	0	5
177	3.32	0	8	1.85	0	7	1.88	0	7
178	2.72	0	7	1.39	0	6	1.41	0	6
179	3.18	0	8	1.88	0	5	1.91	0	5
180	3.22	0	8	1.83	0	6	1.88	0	6
181	1.03	0	4	0.46	0	4	0.46	0	4
182	1.22	0	7	0.63	0	3	0.61	0	3
183	1.14	0	6	0.59	0	4	0.59	0	4
184	1.63	0	7	0.71	0	5	0.69	0	4
185	0.97	0	5	0.72	0	5	0.68	0	5
186	1.16	0	7	0.66	0	3	0.64	0	3
187	1.13	0	5	0.54	0	4	0.52	0	4
188	0.99	0	4	0.52	0	3	0.51	0	3
189	1.12	0	6	0.48	0	3	0.47	0	3
190	1.30	0	7	0.61	0	3	0.59	0	3
191	1.24	0	7	0.78	0	7	0.74	0	7
192	1.52	0	6	0.58	0	3	0.57	0	3
193	1.08	0	5	0.46	0	3	0.47	0	3

194	1.06	0	6	0.47	0	3	0.47	0	3
195	1.02	0	4	0.43	0	3	0.44	0	3
196	1.48	0	7	0.74	0	3	0.72	0	3
197	1.07	0	5	0.73	0	5	0.66	0	5
198	1.27	0	6	0.56	0	3	0.55	0	3
199	2.05	0	7	0.65	0	4	0.70	0	4
200	1.58	0	7	0.51	0	4	0.54	0	4
201	1.75	0	7	0.69	0	4	0.71	0	4
202	1.40	0	6	0.59	0	3	0.60	0	3
203	2.56	0	7	1.30	0	5	1.32	0	5
204	3.28	0	8	2.00	0	5	2.01	0	5
205	1.14	0	5	0.49	0	4	0.49	0	4
206	1.01	0	5	0.53	0	3	0.53	0	3
207	1.12	0	5	0.52	0	3	0.47	0	3
208	1.30	0	7	0.55	0	3	0.56	0	3
209	1.24	0	7	0.94	0	7	0.86	0	7
210	1.50	0	5	0.75	0	3	0.71	0	3
211	2.85	0	8	1.30	0	6	1.36	0	6
212	3.12	0	7	1.56	0	4	1.61	0	4
213	2.78	0	8	1.43	0	5	1.47	0	5
214	2.37	0	6	1.06	0	5	1.07	0	5
215	3.22	0	8	2.06	0	5	2.08	0	5
216	3.87	0	8	2.62	0	7	2.64	0	7
217	1.03	0	6	0.48	0	4	0.47	0	4
218	1.10	0	6	0.66	0	3	0.66	0	3
219	1.09	0	6	0.51	0	3	0.51	0	3
220	1.63	0	7	0.70	0	3	0.68	0	3
221	0.98	0	5	0.98	0	6	0.92	0	6
222	1.17	0	7	0.68	0	3	0.66	0	3

223	1.29	0	5	0.55	0	3	0.54	0	3
224	0.98	0	6	0.61	0	4	0.57	0	4
225	1.17	0	5	0.49	0	4	0.50	0	4
226	1.19	0	5	0.52	0	3	0.53	0	3
227	1.42	0	6	0.72	0	4	0.68	0	4
228	1.85	0	6	0.78	0	4	0.79	0	4
229	1.09	0	5	0.55	0	4	0.56	0	4
230	0.98	0	6	0.58	0	3	0.58	0	3
231	0.98	0	6	0.59	0	3	0.55	0	3
232	1.34	0	6	0.55	0	2	0.54	0	2
233	1.16	0	5	0.67	0	5	0.62	0	4
234	1.44	0	5	0.62	0	4	0.58	0	3
235	2.46	0	7	0.96	0	4	1.01	0	4
236	1.87	0	6	0.85	0	4	0.87	0	4
237	2.10	0	7	0.74	0	4	0.75	0	4
238	1.47	0	6	0.58	0	3	0.59	0	3
239	2.53	0	7	1.48	0	6	1.49	0	6
240	3.57	0	8	2.30	0	7	2.32	0	7
241	1.29	0	5	0.55	0	3	0.55	0	3
242	0.99	0	6	0.49	0	3	0.47	0	3
243	1.16	0	6	0.54	0	4	0.53	0	4
244	1.21	0	5	0.53	0	3	0.53	0	3
245	1.39	0	5	0.68	0	5	0.67	0	5
246	1.84	0	6	0.62	0	3	0.63	0	3
247	3.27	0	8	1.83	0	5	1.90	0	5
248	2.71	0	8	1.54	0	6	1.56	0	6
249	3.45	0	8	2.32	0	6	2.35	0	6
250	3.19	0	8	2.04	0	5	2.05	0	5
251	3.08	0	8	1.64	0	6	1.69	0	6
252	3.16	0	7	1.88	0	6	1.91	0	6

253	1.04	0	4	0.54	0	3	0.53	0	3
254	1.15	0	7	0.57	0	3	0.57	0	3
255	1.13	0	5	0.59	0	3	0.59	0	3
256	1.65	0	7	0.74	0	6	0.72	0	5
257	0.97	0	6	0.74	0	5	0.72	0	5
258	1.17	0	6	0.67	0	4	0.67	0	3
259	1.20	0	6	0.42	0	3	0.42	0	3
260	1.01	0	5	0.53	0	3	0.48	0	3
261	1.13	0	5	0.63	0	4	0.60	0	3
262	1.26	0	5	0.55	0	3	0.56	0	3
263	1.32	0	5	0.67	0	3	0.65	0	3
264	1.68	0	6	0.68	0	3	0.67	0	3
265	1.05	0	5	0.59	0	5	0.59	0	4
266	1.01	0	4	0.56	0	4	0.56	0	4
267	0.96	0	5	0.52	0	3	0.53	0	3
268	1.39	0	7	0.64	0	3	0.64	0	3
269	1.12	0	4	0.71	0	5	0.67	0	5
270	1.38	0	6	0.64	0	3	0.61	0	3
271	2.25	0	6	0.81	0	3	0.83	0	3
272	1.73	0	6	0.60	0	5	0.62	0	5
273	1.88	0	6	0.74	0	4	0.75	0	4
274	1.35	0	6	0.53	0	3	0.55	0	3
275	2.78	0	7	1.37	0	4	1.38	0	4
276	3.47	0	7	2.15	0	6	2.17	0	6
277	1.20	0	6	0.47	0	3	0.48	0	3
278	1.00	0	6	0.40	0	3	0.40	0	3
279	1.16	0	5	0.50	0	4	0.49	0	4
280	1.27	0	5	0.53	0	3	0.54	0	3
281	1.32	0	6	0.68	0	5	0.65	0	5

282	1.64	0	6	0.71	0	3	0.69	0	3
283	3.18	0	8	1.92	0	6	1.95	0	6
284	3.25	0	8	1.91	0	6	1.95	0	6
285	3.25	0	8	1.75	0	5	1.80	0	5
286	2.70	0	7	1.35	0	6	1.37	0	6
287	3.13	0	8	1.72	0	5	1.77	0	5
288	3.77	0	8	2.43	0	6	2.46	0	6
289	1.08	0	5	0.50	0	4	0.51	0	4
290	1.21	0	7	0.61	0	4	0.60	0	3
291	1.16	0	6	0.57	0	3	0.57	0	3
292	1.66	0	7	0.81	0	5	0.78	0	4
293	0.97	0	5	0.63	0	4	0.61	0	4
294	1.17	0	7	0.64	0	3	0.64	0	3
295	1.11	0	5	0.43	0	3	0.42	0	3
296	1.01	0	5	0.45	0	3	0.45	0	3
297	1.11	0	5	0.56	0	3	0.53	0	3
298	1.32	0	5	0.54	0	2	0.55	0	2
299	1.23	0	5	0.71	0	4	0.65	0	4
300	1.52	0	6	0.68	0	3	0.66	0	3
301	1.06	0	4	0.58	0	4	0.57	0	4
302	1.05	0	6	0.57	0	3	0.57	0	3
303	1.02	0	4	0.55	0	4	0.53	0	3
304	1.46	0	7	0.59	0	3	0.60	0	3
305	1.05	0	4	0.70	0	6	0.67	0	6
306	1.27	0	6	0.57	0	3	0.57	0	3
307	2.05	0	6	0.84	0	3	0.87	0	3
308	1.57	0	6	0.53	0	3	0.53	0	3
309	1.68	0	6	0.62	0	3	0.63	0	3
310	1.34	0	6	0.56	0	3	0.57	0	3
311	2.56	0	7	1.25	0	4	1.19	0	4

312	3.26	0	7	1.89	0	5	1.91	0	5
313	1.15	0	5	0.50	0	3	0.51	0	3
314	0.99	0	5	0.52	0	3	0.52	0	3
315	1.12	0	4	0.51	0	3	0.49	0	3
316	1.34	0	6	0.58	0	3	0.58	0	3
317	1.23	0	6	0.67	0	4	0.64	0	4
318	1.51	0	6	0.62	0	4	0.61	0	3
319	2.77	0	8	1.35	0	6	1.38	0	6
320	3.06	0	7	1.40	0	5	1.46	0	5
321	2.74	0	7	1.45	0	6	1.46	0	6
322	2.29	0	6	0.93	0	5	0.95	0	5
323	3.23	0	7	1.69	0	6	1.73	0	6
324	3.18	0	7	1.57	0	6	1.64	0	6

Tabla I.2: Diferencias contra el Ground Truth (GT) en el conteo de personas, en el filtro de sustracción de fondo.

I.6.3. Según las métricas de tiempos máximos y promedio de procesamiento por frame

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00244	0.00052	0.01910	0.00197	0.02411
	peor	0.00721	0.00077	0.03600	0.00368	0.04221
1	1	0.00493	0.00062	0.02475	0.00287	0.03317
	2	0.00559	0.00062	0.02586	0.00279	0.03486
	3	0.00644	0.00066	0.03024	0.00287	0.04021
	4	0.00477	0.00060	0.02316	0.00278	0.03132
	5	0.00508	0.00055	0.02170	0.00266	0.02999
	6	0.00611	0.00064	0.02526	0.00294	0.03496
	7	0.00471	0.00061	0.02410	0.00269	0.03211
	8	0.00519	0.00060	0.02445	0.00291	0.03313
	9	0.00631	0.00067	0.02709	0.00301	0.03708
	10	0.00430	0.00061	0.02523	0.00287	0.03301
	11	0.00498	0.00062	0.02597	0.00281	0.03438
	12	0.00577	0.00065	0.03225	0.00270	0.04137
	13	0.00409	0.00060	0.02209	0.00288	0.02966
	14	0.00490	0.00059	0.02358	0.00299	0.03205
	15	0.00517	0.00057	0.02271	0.00281	0.03126
	16	0.00413	0.00061	0.02391	0.00285	0.03150
	17	0.00477	0.00059	0.02294	0.00287	0.03117
	18	0.00482	0.00054	0.02144	0.00267	0.02947
	19	0.00381	0.00056	0.02199	0.00262	0.02898
	20	0.00476	0.00059	0.02523	0.00271	0.03330
	21	0.00522	0.00059	0.03056	0.00249	0.03886
	22	0.00371	0.00055	0.02125	0.00263	0.02814
	23	0.00447	0.00058	0.02228	0.00281	0.03014
	24	0.00602	0.00074	0.02642	0.00350	0.03668
	25	0.00419	0.00065	0.02543	0.00314	0.03341
	26	0.00451	0.00060	0.02293	0.00293	0.03098
	27	0.00514	0.00059	0.02269	0.00280	0.03122
	28	0.00473	0.00054	0.02173	0.00257	0.02958
	29	0.00480	0.00055	0.02186	0.00257	0.02978
	30	0.00478	0.00054	0.02166	0.00259	0.02956
	31	0.00543	0.00055	0.02332	0.00259	0.03189
	32	0.00548	0.00057	0.02391	0.00263	0.03258
	33	0.00552	0.00059	0.02379	0.00270	0.03259
	34	0.00617	0.00059	0.02635	0.00265	0.03576
	35	0.00616	0.00057	0.02638	0.00256	0.03566
	36	0.00676	0.00065	0.02835	0.00280	0.03856
	37	0.00494	0.00061	0.02334	0.00288	0.03178
	38	0.00476	0.00059	0.02239	0.00269	0.03042

1

	39	0.00481	0.00058	0.02288	0.00268	0.03095
	40	0.00515	0.00056	0.02143	0.00278	0.02991
	41	0.00559	0.00060	0.02289	0.00283	0.03192
	42	0.00553	0.00056	0.02219	0.00274	0.03102
	43	0.00650	0.00065	0.02624	0.00303	0.03643
	44	0.00609	0.00058	0.02385	0.00284	0.03335
	45	0.00594	0.00060	0.02536	0.00282	0.03471
	46	0.00488	0.00062	0.02427	0.00280	0.03257
	47	0.00492	0.00060	0.02482	0.00275	0.03309
	48	0.00468	0.00057	0.02465	0.00258	0.03248
	49	0.00522	0.00056	0.02322	0.00265	0.03165
	50	0.00549	0.00059	0.02448	0.00275	0.03331
	51	0.00601	0.00066	0.02763	0.00302	0.03732
	52	0.00721	0.00071	0.02925	0.00334	0.04051
	53	0.00605	0.00060	0.02440	0.00284	0.03389
	54	0.00607	0.00059	0.02481	0.00273	0.03421
	55	0.00414	0.00055	0.02226	0.00258	0.02954
	56	0.00409	0.00054	0.02176	0.00259	0.02898
	57	0.00445	0.00060	0.02341	0.00273	0.03118
	58	0.00496	0.00057	0.02434	0.00261	0.03248
	59	0.00499	0.00057	0.02464	0.00267	0.03286
	60	0.00520	0.00058	0.02515	0.00267	0.03360
	61	0.00576	0.00059	0.02931	0.00248	0.03814
	62	0.00569	0.00057	0.02890	0.00245	0.03762
	63	0.00594	0.00062	0.03051	0.00259	0.03967
	64	0.00391	0.00055	0.02088	0.00274	0.02808
	65	0.00390	0.00053	0.02056	0.00259	0.02758
	66	0.00392	0.00052	0.02044	0.00261	0.02750
	67	0.00454	0.00053	0.02168	0.00263	0.02938
1	68	0.00455	0.00054	0.02069	0.00263	0.02841
	69	0.00455	0.00053	0.02069	0.00265	0.02842
	70	0.00516	0.00054	0.02157	0.00271	0.02998
	71	0.00516	0.00055	0.02143	0.00274	0.02988
	72	0.00517	0.00054	0.02146	0.00267	0.02985
	73	0.00381	0.00053	0.02121	0.00261	0.02816
	74	0.00387	0.00054	0.02140	0.00260	0.02840
	75	0.00385	0.00054	0.02132	0.00261	0.02833
	76	0.00441	0.00053	0.02050	0.00263	0.02807
	77	0.00442	0.00054	0.02049	0.00264	0.02809
	78	0.00459	0.00058	0.02105	0.00285	0.02907
	79	0.00527	0.00057	0.02408	0.00274	0.03266
	80	0.00516	0.00056	0.02202	0.00268	0.03042
	81	0.00694	0.00077	0.03082	0.00368	0.04221
	82	0.00424	0.00057	0.02337	0.00263	0.03082
	83	0.00421	0.00057	0.02296	0.00262	0.03036
	84	0.00457	0.00060	0.02465	0.00279	0.03262

	85	0.00498	0.00057	0.02575	0.00256	0.03385
	86	0.00495	0.00056	0.02527	0.00254	0.03332
	87	0.00510	0.00060	0.02603	0.00260	0.03433
	88	0.00598	0.00063	0.03220	0.00250	0.04131
	89	0.00602	0.00063	0.03277	0.00255	0.04197
	90	0.00606	0.00061	0.03261	0.00249	0.04177
	91	0.00401	0.00058	0.02228	0.00276	0.02963
	92	0.00413	0.00059	0.02253	0.00282	0.03007
	93	0.00419	0.00058	0.02261	0.00274	0.03012
	94	0.00477	0.00057	0.02286	0.00282	0.03102
	95	0.00472	0.00056	0.02256	0.00278	0.03062
	96	0.00492	0.00061	0.02378	0.00299	0.03231
	97	0.00609	0.00067	0.02630	0.00320	0.03626
	98	0.00536	0.00057	0.02248	0.00270	0.03111
	99	0.00541	0.00058	0.02277	0.00275	0.03150
	100	0.00405	0.00058	0.02346	0.00279	0.03088
	101	0.00397	0.00058	0.02260	0.00269	0.02983
	102	0.00403	0.00057	0.02344	0.00273	0.03077
	103	0.00469	0.00059	0.02280	0.00286	0.03094
	104	0.00469	0.00057	0.02253	0.00280	0.03058
	105	0.00460	0.00058	0.02257	0.00282	0.03057
	106	0.00520	0.00057	0.02333	0.00274	0.03185
	107	0.00523	0.00058	0.02321	0.00280	0.03183
	108	0.00556	0.00060	0.02444	0.00292	0.03353
	109	0.00245	0.00062	0.02647	0.00261	0.03215
	110	0.00245	0.00056	0.01910	0.00206	0.02418
	111	0.00247	0.00065	0.03421	0.00217	0.03951
	112	0.00246	0.00068	0.02833	0.00273	0.03420
	113	0.00244	0.00055	0.01928	0.00199	0.02426
	114	0.00254	0.00068	0.03531	0.00215	0.04068
	115	0.00250	0.00063	0.02847	0.00264	0.03424
	116	0.00247	0.00056	0.01921	0.00207	0.02432
1	117	0.00258	0.00069	0.03569	0.00227	0.04122
	118	0.00248	0.00063	0.02861	0.00266	0.03438
	119	0.00245	0.00054	0.01914	0.00197	0.02411
	120	0.00258	0.00069	0.03565	0.00224	0.04116
	121	0.00273	0.00068	0.03092	0.00287	0.03721
	122	0.00254	0.00057	0.02012	0.00212	0.02534
	123	0.00257	0.00068	0.03600	0.00226	0.04151
	124	0.00255	0.00065	0.02992	0.00273	0.03585
	125	0.00254	0.00057	0.02060	0.00217	0.02588
	126	0.00251	0.00070	0.03377	0.00216	0.03913
	mejor	0.00341	0.00046	0.01513	0.00135	0.02118
	peor	0.00460	0.00063	0.03375	0.00332	0.03980
	1	0.00435	0.00063	0.02704	0.00292	0.03494
	2	0.00439	0.00056	0.02247	0.00288	0.03030

	3	0.00413	0.00056	0.02434	0.00274	0.03177
	4	0.00413	0.00049	0.02034	0.00247	0.02743
	5	0.00412	0.00058	0.02519	0.00322	0.03311
	6	0.00413	0.00056	0.02905	0.00267	0.03641
	7	0.00416	0.00052	0.02103	0.00265	0.02837
	8	0.00415	0.00050	0.02040	0.00260	0.02766
	9	0.00414	0.00053	0.02132	0.00263	0.02862
	10	0.00416	0.00049	0.01867	0.00253	0.02585
	11	0.00412	0.00052	0.02315	0.00271	0.03049
	12	0.00414	0.00050	0.02533	0.00248	0.03244
	13	0.00411	0.00056	0.02345	0.00274	0.03086
	14	0.00412	0.00051	0.02059	0.00260	0.02782
	15	0.00413	0.00055	0.02175	0.00275	0.02918
	16	0.00415	0.00050	0.01926	0.00257	0.02649
	17	0.00416	0.00055	0.02377	0.00291	0.03140
	18	0.00426	0.00053	0.02655	0.00262	0.03396
	19	0.00415	0.00053	0.02484	0.00238	0.03190
	20	0.00416	0.00051	0.02341	0.00252	0.03061
	21	0.00414	0.00051	0.02438	0.00239	0.03142
	22	0.00422	0.00051	0.01988	0.00264	0.02726
	23	0.00415	0.00052	0.02847	0.00205	0.03518
	24	0.00415	0.00051	0.03357	0.00157	0.03980
	25	0.00412	0.00053	0.02121	0.00266	0.02853
	26	0.00414	0.00052	0.02025	0.00270	0.02761
	27	0.00411	0.00052	0.02127	0.00265	0.02855
	28	0.00414	0.00050	0.01878	0.00257	0.02598
	29	0.00413	0.00053	0.02337	0.00266	0.03069
	30	0.00415	0.00052	0.02551	0.00263	0.03281
	31	0.00417	0.00048	0.02257	0.00163	0.02884
	32	0.00416	0.00047	0.01866	0.00204	0.02533
	33	0.00417	0.00048	0.02066	0.00177	0.02709
	34	0.00415	0.00049	0.01953	0.00182	0.02599
	35	0.00415	0.00049	0.02253	0.00204	0.02920
	36	0.00419	0.00050	0.02384	0.00190	0.03043
	37	0.00419	0.00055	0.02252	0.00275	0.03001
	38	0.00420	0.00051	0.02066	0.00270	0.02808
	39	0.00419	0.00056	0.02197	0.00282	0.02954
	40	0.00420	0.00050	0.01929	0.00243	0.02642
2	41	0.00460	0.00060	0.02423	0.00332	0.03276
	42	0.00428	0.00055	0.02590	0.00285	0.03358
	43	0.00420	0.00051	0.02137	0.00260	0.02868
	44	0.00418	0.00053	0.01996	0.00279	0.02745
	45	0.00424	0.00052	0.02098	0.00269	0.02842
	46	0.00420	0.00050	0.01859	0.00260	0.02590
	47	0.00420	0.00051	0.02250	0.00267	0.02989
	48	0.00419	0.00051	0.02495	0.00262	0.03227

49	0.00419	0.00054	0.02245	0.00277	0.02996
50	0.00417	0.00051	0.01958	0.00264	0.02690
51	0.00417	0.00053	0.02073	0.00268	0.02810
52	0.00420	0.00051	0.01848	0.00256	0.02575
53	0.00416	0.00054	0.02261	0.00284	0.03016
54	0.00421	0.00051	0.02494	0.00267	0.03233
55	0.00419	0.00053	0.02424	0.00244	0.03141
56	0.00422	0.00050	0.02244	0.00259	0.02975
57	0.00421	0.00051	0.02202	0.00248	0.02921
58	0.00420	0.00051	0.01931	0.00263	0.02665
59	0.00424	0.00052	0.02694	0.00218	0.03388
60	0.00422	0.00050	0.03208	0.00169	0.03849
61	0.00420	0.00051	0.02037	0.00271	0.02779
62	0.00420	0.00050	0.01998	0.00268	0.02736
63	0.00419	0.00052	0.02095	0.00262	0.02827
64	0.00420	0.00050	0.01858	0.00256	0.02585
65	0.00419	0.00052	0.02253	0.00277	0.03000
66	0.00421	0.00050	0.02519	0.00255	0.03245
67	0.00420	0.00049	0.02286	0.00176	0.02932
68	0.00424	0.00048	0.02149	0.00195	0.02815
69	0.00419	0.00048	0.02103	0.00190	0.02761
70	0.00423	0.00049	0.01966	0.00213	0.02650
71	0.00418	0.00051	0.02298	0.00201	0.02967
72	0.00423	0.00048	0.03289	0.00150	0.03910
73	0.00426	0.00053	0.02086	0.00271	0.02835
74	0.00426	0.00051	0.01981	0.00265	0.02723
75	0.00427	0.00051	0.02104	0.00265	0.02848
76	0.00426	0.00048	0.01862	0.00245	0.02582
77	0.00426	0.00054	0.02159	0.00298	0.02937
78	0.00425	0.00051	0.02412	0.00262	0.03151
79	0.00425	0.00052	0.02084	0.00260	0.02821
80	0.00428	0.00050	0.01947	0.00266	0.02691
81	0.00424	0.00051	0.02030	0.00259	0.02764
82	0.00426	0.00049	0.01830	0.00251	0.02555
83	0.00426	0.00052	0.02192	0.00279	0.02949
84	0.00423	0.00050	0.02376	0.00256	0.03105
85	0.00425	0.00054	0.02123	0.00277	0.02879
86	0.00426	0.00050	0.01903	0.00268	0.02647
87	0.00423	0.00054	0.01978	0.00272	0.02727
88	0.00427	0.00049	0.01797	0.00257	0.02530
89	0.00423	0.00052	0.02156	0.00277	0.02908
90	0.00423	0.00053	0.02362	0.00265	0.03103
91	0.00425	0.00051	0.02203	0.00247	0.02925
92	0.00430	0.00049	0.02156	0.00257	0.02892
93	0.00428	0.00049	0.02112	0.00251	0.02840
94	0.00426	0.00050	0.01890	0.00265	0.02631

95	0.00427	0.00050	0.02541	0.00227	0.03246
96	0.00428	0.00050	0.03005	0.00190	0.03673
97	0.00424	0.00050	0.02085	0.00266	0.02824
98	0.00425	0.00051	0.01965	0.00260	0.02701
99	0.00425	0.00051	0.02048	0.00257	0.02781
100	0.00426	0.00048	0.01827	0.00254	0.02554
101	0.00425	0.00050	0.02197	0.00268	0.02939
102	0.00426	0.00050	0.02389	0.00262	0.03127
103	0.00428	0.00049	0.02474	0.00165	0.03117
104	0.00428	0.00051	0.02227	0.00226	0.02933
105	0.00426	0.00051	0.02099	0.00216	0.02790
106	0.00428	0.00048	0.01933	0.00232	0.02640
107	0.00427	0.00048	0.02439	0.00194	0.03107
108	0.00427	0.00049	0.03112	0.00153	0.03741
109	0.00357	0.00055	0.02174	0.00270	0.02856
110	0.00358	0.00050	0.01973	0.00263	0.02645
111	0.00358	0.00052	0.02136	0.00265	0.02811
112	0.00356	0.00050	0.01906	0.00249	0.02562
113	0.00356	0.00055	0.02272	0.00290	0.02974
114	0.00357	0.00054	0.02595	0.00279	0.03286
115	0.00357	0.00052	0.02259	0.00261	0.02929
116	0.00358	0.00050	0.02045	0.00266	0.02719
117	0.00356	0.00052	0.02156	0.00259	0.02824
118	0.00359	0.00049	0.01822	0.00256	0.02487
119	0.00355	0.00053	0.02414	0.00266	0.03088
120	0.00357	0.00051	0.02685	0.00239	0.03332
121	0.00357	0.00054	0.02239	0.00263	0.02913
122	0.00357	0.00051	0.01985	0.00263	0.02656
123	0.00355	0.00053	0.02045	0.00267	0.02720
124	0.00356	0.00049	0.01856	0.00256	0.02516
125	0.00355	0.00054	0.02337	0.00277	0.03023
126	0.00357	0.00052	0.02648	0.00261	0.03318
127	0.00357	0.00051	0.02512	0.00225	0.03145
128	0.00358	0.00051	0.02236	0.00241	0.02886
129	0.00356	0.00053	0.02390	0.00232	0.03031
130	0.00358	0.00050	0.02004	0.00253	0.02666
131	0.00360	0.00052	0.02639	0.00217	0.03268
132	0.00359	0.00051	0.03044	0.00180	0.03634
133	0.00356	0.00054	0.02263	0.00266	0.02939
134	0.00359	0.00050	0.02058	0.00262	0.02729
135	0.00357	0.00052	0.02167	0.00258	0.02834
136	0.00357	0.00050	0.01807	0.00258	0.02471
137	0.00355	0.00054	0.02437	0.00266	0.03112
138	0.00357	0.00051	0.02707	0.00242	0.03358
139	0.00358	0.00048	0.01846	0.00178	0.02430
140	0.00359	0.00047	0.01789	0.00193	0.02389

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	141	0.00357	0.00050	0.01974	0.00168	0.02548
	142	0.00360	0.00047	0.01863	0.00169	0.02439
	143	0.00357	0.00048	0.02063	0.00199	0.02667
	144	0.00359	0.00046	0.02268	0.00182	0.02855
	145	0.00361	0.00054	0.02045	0.00269	0.02730
	146	0.00363	0.00050	0.01891	0.00270	0.02574
	147	0.00359	0.00051	0.01980	0.00263	0.02653
	148	0.00362	0.00049	0.01826	0.00256	0.02493
	149	0.00360	0.00053	0.02144	0.00276	0.02833
	150	0.00361	0.00052	0.02418	0.00269	0.03101
	151	0.00361	0.00052	0.02154	0.00259	0.02826
	152	0.00363	0.00051	0.02004	0.00264	0.02681
	153	0.00364	0.00052	0.02106	0.00265	0.02787
	154	0.00363	0.00049	0.01846	0.00256	0.02515
	155	0.00360	0.00052	0.02308	0.00268	0.02988
	156	0.00362	0.00052	0.02617	0.00252	0.03283
	157	0.00361	0.00055	0.02157	0.00271	0.02843
	158	0.00363	0.00050	0.01950	0.00270	0.02632
	159	0.00362	0.00054	0.01979	0.00271	0.02665
	160	0.00364	0.00049	0.01828	0.00263	0.02504
	161	0.00359	0.00054	0.02239	0.00269	0.02922
	162	0.00361	0.00051	0.02504	0.00260	0.03176
	163	0.00363	0.00051	0.02411	0.00232	0.03058
	164	0.00365	0.00051	0.02305	0.00253	0.02973
	165	0.00363	0.00052	0.02266	0.00246	0.02926
	166	0.00365	0.00049	0.01954	0.00258	0.02626
	167	0.00365	0.00053	0.02811	0.00220	0.03449
	168	0.00363	0.00051	0.03318	0.00154	0.03886
	169	0.00362	0.00052	0.02179	0.00264	0.02857
	170	0.00360	0.00053	0.02008	0.00278	0.02699
	171	0.00363	0.00052	0.02109	0.00258	0.02782
	172	0.00364	0.00048	0.01851	0.00259	0.02522
	173	0.00360	0.00054	0.02324	0.00265	0.03003
	174	0.00361	0.00050	0.02567	0.00256	0.03234
	175	0.00366	0.00048	0.02248	0.00171	0.02832
2	176	0.00363	0.00047	0.01513	0.00216	0.02139
	177	0.00368	0.00048	0.02037	0.00181	0.02634
	178	0.00363	0.00047	0.01822	0.00197	0.02429
	179	0.00363	0.00048	0.02232	0.00182	0.02826
	180	0.00364	0.00048	0.02369	0.00182	0.02964
	181	0.00367	0.00052	0.01964	0.00275	0.02658
	182	0.00367	0.00049	0.01895	0.00261	0.02572
	183	0.00369	0.00052	0.01931	0.00274	0.02627
	184	0.00367	0.00047	0.01798	0.00248	0.02460
	185	0.00365	0.00052	0.02058	0.00272	0.02747
	186	0.00365	0.00051	0.02278	0.00261	0.02955

	187	0.00367	0.00051	0.02095	0.00263	0.02777
	188	0.00366	0.00052	0.01947	0.00266	0.02631
	189	0.00367	0.00050	0.02035	0.00261	0.02713
	190	0.00369	0.00049	0.01824	0.00256	0.02499
	191	0.00364	0.00051	0.02217	0.00254	0.02887
	192	0.00368	0.00051	0.02519	0.00265	0.03203
	193	0.00365	0.00052	0.02045	0.00266	0.02728
	194	0.00367	0.00049	0.01872	0.00271	0.02559
	195	0.00367	0.00051	0.01917	0.00268	0.02603
	196	0.00366	0.00048	0.01777	0.00251	0.02442
	197	0.00366	0.00052	0.02163	0.00283	0.02864
	198	0.00367	0.00051	0.02353	0.00258	0.03028
	199	0.00371	0.00049	0.02289	0.00241	0.02950
	200	0.00367	0.00049	0.02211	0.00250	0.02878
	201	0.00369	0.00051	0.02176	0.00256	0.02853
	202	0.00372	0.00049	0.01971	0.00255	0.02646
2	203	0.00370	0.00050	0.02641	0.00210	0.03271
	204	0.00369	0.00050	0.03139	0.00165	0.03723
	205	0.00368	0.00053	0.02109	0.00267	0.02797
	206	0.00367	0.00050	0.01953	0.00262	0.02632
	207	0.00369	0.00051	0.02051	0.00258	0.02730
	208	0.00369	0.00049	0.01816	0.00254	0.02487
	209	0.00367	0.00051	0.02242	0.00271	0.02931
	210	0.00368	0.00051	0.02525	0.00253	0.03196
	211	0.00368	0.00047	0.01688	0.00214	0.02317
	212	0.00368	0.00048	0.02054	0.00193	0.02663
	213	0.00369	0.00049	0.01795	0.00212	0.02424
	214	0.00368	0.00048	0.01813	0.00219	0.02448
	215	0.00368	0.00048	0.02298	0.00176	0.02890
	216	0.00367	0.00049	0.03216	0.00135	0.03768
	217	0.00343	0.00054	0.02122	0.00275	0.02794
	218	0.00344	0.00050	0.01966	0.00266	0.02627
	219	0.00344	0.00052	0.02100	0.00262	0.02758
	220	0.00344	0.00050	0.01882	0.00245	0.02520
	221	0.00344	0.00053	0.02212	0.00289	0.02897
	222	0.00343	0.00052	0.02554	0.00264	0.03213
	223	0.00344	0.00052	0.02218	0.00268	0.02882
	224	0.00344	0.00050	0.02054	0.00266	0.02714
	225	0.00343	0.00052	0.02145	0.00263	0.02803
	226	0.00345	0.00048	0.01834	0.00257	0.02484
	227	0.00344	0.00053	0.02397	0.00259	0.03053
	228	0.00343	0.00050	0.02678	0.00235	0.03305
	229	0.00342	0.00053	0.02191	0.00264	0.02850
2	230	0.00342	0.00052	0.01980	0.00271	0.02645
	231	0.00341	0.00054	0.02023	0.00278	0.02696
	232	0.00344	0.00050	0.01871	0.00254	0.02520

	233	0.00342	0.00053	0.02284	0.00273	0.02953
	234	0.00342	0.00053	0.02578	0.00263	0.03236
	235	0.00345	0.00053	0.02581	0.00231	0.03209
	236	0.00343	0.00051	0.02414	0.00242	0.03050
	237	0.00345	0.00054	0.02447	0.00245	0.03090
	238	0.00344	0.00051	0.02018	0.00259	0.02672
	239	0.00344	0.00053	0.02679	0.00209	0.03284
	240	0.00343	0.00052	0.03375	0.00146	0.03917
	241	0.00344	0.00052	0.02235	0.00261	0.02892
	242	0.00343	0.00052	0.02070	0.00272	0.02736
	243	0.00343	0.00054	0.02148	0.00268	0.02814
	244	0.00343	0.00050	0.01829	0.00257	0.02479
	245	0.00344	0.00053	0.02393	0.00255	0.03045
	246	0.00344	0.00050	0.02702	0.00240	0.03336
	247	0.00345	0.00049	0.01850	0.00180	0.02424
	248	0.00345	0.00047	0.01514	0.00210	0.02118
	249	0.00346	0.00048	0.02021	0.00161	0.02575
	250	0.00346	0.00047	0.01915	0.00171	0.02479
	251	0.00343	0.00049	0.02115	0.00202	0.02710
	252	0.00346	0.00050	0.02330	0.00186	0.02912
	253	0.00347	0.00052	0.01989	0.00276	0.02664
	254	0.00348	0.00051	0.01887	0.00274	0.02560
	255	0.00346	0.00051	0.01976	0.00263	0.02636
	256	0.00349	0.00048	0.01809	0.00242	0.02448
2	257	0.00350	0.00055	0.02120	0.00287	0.02812
	258	0.00350	0.00050	0.02404	0.00266	0.03071
	259	0.00348	0.00051	0.02056	0.00256	0.02711
	260	0.00349	0.00052	0.02020	0.00274	0.02696
	261	0.00349	0.00051	0.02098	0.00267	0.02765
	262	0.00350	0.00050	0.01897	0.00259	0.02557
	263	0.00348	0.00051	0.02309	0.00260	0.02968
	264	0.00349	0.00050	0.02557	0.00245	0.03201
	265	0.00346	0.00053	0.02122	0.00265	0.02787
	266	0.00348	0.00052	0.01933	0.00275	0.02609
	267	0.00348	0.00050	0.01966	0.00270	0.02635
	268	0.00349	0.00049	0.01835	0.00257	0.02490
	269	0.00347	0.00053	0.02203	0.00282	0.02885
	270	0.00347	0.00050	0.02465	0.00254	0.03115
	271	0.00350	0.00053	0.02439	0.00243	0.03084
	272	0.00352	0.00050	0.02304	0.00254	0.02960
	273	0.00349	0.00051	0.02304	0.00244	0.02949
	274	0.00351	0.00048	0.01961	0.00251	0.02611
	275	0.00350	0.00052	0.02819	0.00199	0.03420
	276	0.00352	0.00050	0.03340	0.00158	0.03900
	277	0.00350	0.00051	0.02060	0.00264	0.02725
	278	0.00350	0.00050	0.02031	0.00271	0.02703

	279	0.00354	0.00052	0.02140	0.00272	0.02819
	280	0.00348	0.00049	0.01881	0.00254	0.02533
	281	0.00347	0.00053	0.02320	0.00268	0.02988
	282	0.00349	0.00050	0.02575	0.00251	0.03225
	283	0.00352	0.00047	0.01983	0.00186	0.02568
	284	0.00350	0.00048	0.02131	0.00181	0.02709
	285	0.00350	0.00047	0.02073	0.00184	0.02655
	286	0.00354	0.00047	0.01967	0.00203	0.02571
	287	0.00349	0.00048	0.02332	0.00189	0.02918
	288	0.00353	0.00049	0.03212	0.00144	0.03758
	289	0.00354	0.00052	0.01925	0.00265	0.02595
	290	0.00354	0.00049	0.01912	0.00259	0.02574
	291	0.00354	0.00050	0.01980	0.00263	0.02647
	292	0.00356	0.00048	0.01804	0.00246	0.02455
	293	0.00352	0.00051	0.02039	0.00267	0.02710
	294	0.00355	0.00051	0.02281	0.00269	0.02955
	295	0.00352	0.00052	0.01960	0.00259	0.02623
	296	0.00354	0.00050	0.01959	0.00260	0.02623
	297	0.00358	0.00050	0.02037	0.00266	0.02712
	298	0.00354	0.00049	0.01830	0.00251	0.02484
	299	0.00354	0.00052	0.02212	0.00267	0.02884
	300	0.00355	0.00051	0.02427	0.00253	0.03085
	301	0.00352	0.00052	0.02043	0.00265	0.02713
	302	0.00353	0.00050	0.01876	0.00260	0.02540
	303	0.00352	0.00052	0.01919	0.00261	0.02583
	304	0.00353	0.00050	0.01797	0.00254	0.02454
	305	0.00353	0.00052	0.02135	0.00279	0.02819
	306	0.00356	0.00050	0.02384	0.00262	0.03051
	307	0.00356	0.00051	0.02330	0.00236	0.02972
	308	0.00355	0.00051	0.02214	0.00254	0.02875
	309	0.00356	0.00054	0.02200	0.00269	0.02879
	310	0.00356	0.00049	0.01957	0.00252	0.02613
2	311	0.00354	0.00051	0.02665	0.00219	0.03288
	312	0.00357	0.00050	0.03137	0.00173	0.03715
	313	0.00356	0.00054	0.01983	0.00276	0.02668
	314	0.00355	0.00049	0.01970	0.00267	0.02641
	315	0.00353	0.00051	0.02028	0.00261	0.02694
	316	0.00355	0.00048	0.01835	0.00253	0.02490
	317	0.00354	0.00052	0.02227	0.00269	0.02901
	318	0.00354	0.00050	0.02427	0.00250	0.03080
	319	0.00357	0.00049	0.01754	0.00215	0.02375
	320	0.00356	0.00048	0.02162	0.00202	0.02767
	321	0.00358	0.00049	0.01896	0.00220	0.02523
	322	0.00358	0.00048	0.01844	0.00227	0.02478
	323	0.00354	0.00049	0.02420	0.00190	0.03013
	324	0.00355	0.00049	0.02552	0.00188	0.03144

Tabla I.3: Tiempos promedio de procesamiento por frame en el filtro de sustracción de fondo.

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00334	0.00091	0.04271	0.00500	0.05783
	peor	0.03255	0.00700	0.13195	0.03673	0.20822
1	1	0.00960	0.00221	0.05717	0.01139	0.08037
	2	0.00971	0.00247	0.05730	0.00964	0.07912
	3	0.01278	0.00193	0.09455	0.01003	0.11930
	4	0.00786	0.00152	0.05170	0.00662	0.06770
	5	0.00890	0.00109	0.04410	0.00762	0.06170
	6	0.00958	0.00202	0.05664	0.00742	0.07566
	7	0.00806	0.00149	0.05279	0.00949	0.07183
	8	0.00830	0.00153	0.06115	0.00766	0.07865
	9	0.01001	0.00188	0.07446	0.00662	0.09297
	10	0.00770	0.00187	0.05954	0.00754	0.07666
	11	0.00808	0.00205	0.07312	0.00760	0.09085
	12	0.00864	0.00197	0.08702	0.00852	0.10615
	13	0.00758	0.00213	0.04741	0.01109	0.06821
	14	0.01070	0.00205	0.06718	0.00971	0.08963
	15	0.00874	0.00171	0.05585	0.00822	0.07453
	16	0.00844	0.00258	0.08346	0.00852	0.10300
	17	0.00832	0.00164	0.06433	0.00853	0.08281
	18	0.01189	0.00103	0.04863	0.00746	0.06901
	19	0.00642	0.00140	0.04973	0.00614	0.06368
	20	0.00801	0.00247	0.06452	0.00999	0.08499
	21	0.00817	0.00108	0.08013	0.00734	0.09672
	22	0.00669	0.00174	0.05742	0.00686	0.07271
	23	0.00931	0.00195	0.05996	0.00957	0.08079
	24	0.01092	0.00356	0.06044	0.00941	0.08433
	25	0.00882	0.00237	0.06954	0.01038	0.09111
	26	0.00831	0.00218	0.05844	0.00840	0.07732
	27	0.00900	0.00145	0.05513	0.00721	0.07279
	28	0.00829	0.00109	0.05010	0.00715	0.06662
	29	0.00813	0.00114	0.05088	0.00713	0.06727
	30	0.00763	0.00118	0.05272	0.00735	0.06888
	31	0.00857	0.00110	0.05313	0.00777	0.07056
	32	0.00940	0.00141	0.08389	0.00736	0.10205
	33	0.00869	0.00156	0.05331	0.00689	0.07045
	34	0.01981	0.00137	0.07362	0.00797	0.10276
	35	0.00993	0.00117	0.06948	0.00733	0.08792
	36	0.01708	0.00201	0.07071	0.00920	0.09900
	37	0.00759	0.00148	0.04963	0.00619	0.06488

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	38	0.00738	0.00188	0.05615	0.00634	0.07176
	39	0.00766	0.00179	0.05506	0.00727	0.07177
	40	0.00829	0.00113	0.04271	0.00787	0.06000
	41	0.00910	0.00181	0.05557	0.00870	0.07517
	42	0.00928	0.00200	0.04297	0.00735	0.06161
	43	0.01143	0.00223	0.05795	0.00835	0.07997
	44	0.00946	0.00204	0.06032	0.00820	0.08003
	45	0.00994	0.00112	0.05521	0.00699	0.07326
	46	0.00855	0.00196	0.06196	0.00857	0.08104
	47	0.00851	0.00162	0.06578	0.00875	0.08465
	48	0.00777	0.00122	0.05929	0.00836	0.07665
	49	0.00784	0.00117	0.06022	0.00561	0.07483
	50	0.00960	0.00224	0.06088	0.00689	0.07962
	51	0.01130	0.00210	0.06555	0.00877	0.08771
	52	0.01592	0.00250	0.06675	0.00859	0.09376
	53	0.01020	0.00154	0.06815	0.00635	0.08625
	54	0.00959	0.00204	0.06458	0.00626	0.08248
	55	0.00724	0.00156	0.04826	0.00647	0.06353
	56	0.00658	0.00097	0.04454	0.00574	0.05783
	57	0.00769	0.00163	0.05039	0.00673	0.06643
	58	0.00830	0.00158	0.06667	0.00684	0.08339
	59	0.00946	0.00130	0.06514	0.00857	0.08447
	60	0.01226	0.00272	0.06548	0.01086	0.09132
	61	0.00974	0.00115	0.08684	0.00719	0.10492
	62	0.00966	0.00117	0.08564	0.00660	0.10307
	63	0.00934	0.00132	0.09545	0.00767	0.11378
	64	0.00641	0.00107	0.04411	0.00915	0.06075
	65	0.00632	0.00101	0.04561	0.00813	0.06107
	66	0.00652	0.00094	0.04279	0.00900	0.05925
	67	0.00574	0.00105	0.05688	0.00970	0.07336
1	68	0.00778	0.00102	0.05421	0.01027	0.07329
	69	0.00813	0.00099	0.05375	0.00969	0.07257
	70	0.00831	0.00097	0.05294	0.00667	0.06889
	71	0.00834	0.00111	0.05258	0.00693	0.06896
	72	0.00821	0.00101	0.05407	0.00680	0.07009
	73	0.00622	0.00114	0.05040	0.00871	0.06647
	74	0.00650	0.00102	0.05165	0.00802	0.06719
	75	0.00612	0.00091	0.05274	0.00803	0.06780
	76	0.00667	0.00118	0.04687	0.00796	0.06267
	77	0.00746	0.00098	0.04584	0.00756	0.06184
	78	0.00757	0.00131	0.04502	0.00769	0.06159
	79	0.01283	0.00109	0.06560	0.00857	0.08809
	80	0.00809	0.00107	0.05648	0.00819	0.07382
	81	0.03255	0.00700	0.13195	0.03673	0.20822
	82	0.00971	0.00234	0.05172	0.00706	0.07083
	83	0.00656	0.00119	0.05103	0.00587	0.06465

	84	0.01321	0.00227	0.05311	0.00879	0.07738
	85	0.00896	0.00137	0.07073	0.00771	0.08877
	86	0.00743	0.00177	0.07122	0.00789	0.08831
	87	0.00768	0.00280	0.06899	0.00762	0.08709
	88	0.00888	0.00128	0.08261	0.00735	0.10013
	89	0.00926	0.00126	0.09553	0.00758	0.11363
	90	0.00989	0.00171	0.08427	0.00787	0.10374
	91	0.00804	0.00289	0.05308	0.00801	0.07201
	92	0.00632	0.00148	0.05398	0.00689	0.06867
	93	0.00651	0.00143	0.05509	0.00762	0.07065
	94	0.00810	0.00173	0.06102	0.00731	0.07816
	95	0.00738	0.00155	0.05995	0.00706	0.07593
	96	0.00988	0.00235	0.06213	0.01044	0.08481
	97	0.01344	0.00299	0.09687	0.01245	0.12576
	98	0.00872	0.00109	0.05083	0.00835	0.06899
	99	0.00833	0.00106	0.05595	0.00752	0.07286
	100	0.00723	0.00236	0.06180	0.00785	0.07926
	101	0.00601	0.00244	0.05148	0.00828	0.06821
	102	0.00727	0.00206	0.06605	0.00995	0.08533
	103	0.00827	0.00164	0.06048	0.00771	0.07809
	104	0.00739	0.00160	0.05873	0.00809	0.07582
	105	0.00745	0.00155	0.05667	0.00763	0.07330
	106	0.00909	0.00096	0.04600	0.00590	0.06196
	107	0.00922	0.00108	0.04584	0.00636	0.06249
	108	0.01043	0.00275	0.07352	0.00854	0.09524
	109	0.00361	0.00119	0.06635	0.00765	0.07881
	110	0.00446	0.00235	0.06994	0.00565	0.08239
	111	0.00358	0.00144	0.08749	0.00500	0.09752
	112	0.00334	0.00176	0.06546	0.00733	0.07789
	113	0.00427	0.00119	0.06796	0.00546	0.07887
	114	0.00466	0.00192	0.08141	0.00657	0.09456
	115	0.00452	0.00137	0.07489	0.00656	0.08735
	116	0.00491	0.00137	0.06393	0.00639	0.07660
1	117	0.00447	0.00249	0.07943	0.00545	0.09184
	118	0.00563	0.00215	0.06384	0.00723	0.07885
	119	0.00680	0.00114	0.06272	0.00542	0.07609
	120	0.00443	0.00253	0.08523	0.00652	0.09871
	121	0.00944	0.00242	0.06870	0.00896	0.08952
	122	0.00465	0.00225	0.07163	0.00594	0.08446
	123	0.00782	0.00239	0.09046	0.00606	0.10674
	124	0.00560	0.00259	0.06485	0.00808	0.08111
	125	0.01910	0.00218	0.07341	0.01042	0.10510
	126	0.00593	0.00201	0.08441	0.00535	0.09770
	mejor	0.00463	0.00068	0.03374	0.00396	0.04716
	peor	0.01315	0.00415	0.08965	0.01515	0.10238
	1	0.00822	0.00246	0.06528	0.00769	0.08365

	2	0.00680	0.00230	0.05316	0.00675	0.06901
	3	0.00687	0.00259	0.06212	0.00903	0.08061
	4	0.00615	0.00081	0.04448	0.00893	0.06038
	5	0.00722	0.00140	0.05835	0.01042	0.07738
	6	0.00637	0.00105	0.07927	0.00810	0.09479
	7	0.00647	0.00093	0.05396	0.00752	0.06890
	8	0.00763	0.00207	0.04658	0.00747	0.06376
	9	0.00651	0.00092	0.04808	0.00692	0.06243
	10	0.00672	0.00090	0.03729	0.00712	0.05204
	11	0.00651	0.00107	0.04942	0.00881	0.06581
	12	0.00730	0.00105	0.05694	0.00589	0.07118
	13	0.00595	0.00098	0.06291	0.00953	0.07937
	14	0.00631	0.00100	0.04885	0.00545	0.06160
	15	0.00598	0.00100	0.05076	0.01181	0.06955
	16	0.00709	0.00093	0.03965	0.00803	0.05570
	17	0.00781	0.00091	0.05452	0.00825	0.07149
	18	0.00703	0.00093	0.05949	0.00642	0.07387
	19	0.00638	0.00101	0.04980	0.00693	0.06412
	20	0.00982	0.00103	0.04938	0.00862	0.06885
	21	0.00642	0.00104	0.05084	0.00717	0.06547
	22	0.00801	0.00099	0.03996	0.01147	0.06043
	23	0.00758	0.00099	0.05372	0.00524	0.06753
	24	0.00671	0.00093	0.07440	0.00493	0.08697
	25	0.00582	0.00119	0.05383	0.00880	0.06965
	26	0.00602	0.00088	0.03910	0.01265	0.05864
	27	0.00616	0.00125	0.04839	0.00776	0.06356
	28	0.00626	0.00105	0.03813	0.00785	0.05329
	29	0.00671	0.00095	0.05029	0.00955	0.06750
	30	0.00618	0.00096	0.05934	0.00727	0.07375
	31	0.00647	0.00103	0.05901	0.00424	0.07075
	32	0.00671	0.00081	0.04233	0.00564	0.05549
	33	0.00645	0.00084	0.04386	0.00491	0.05607
	34	0.00620	0.00074	0.04268	0.00631	0.05592
	35	0.00862	0.00167	0.05521	0.00653	0.07203
	36	0.01315	0.00115	0.06140	0.00488	0.08059
	37	0.00750	0.00103	0.06011	0.01176	0.08040
	38	0.00690	0.00092	0.04390	0.00702	0.05875
	39	0.00681	0.00120	0.05161	0.00747	0.06709
	40	0.00596	0.00082	0.03837	0.00882	0.05398
2	41	0.01022	0.00222	0.06289	0.01111	0.08645
	42	0.00743	0.00206	0.07411	0.00811	0.09171
	43	0.00624	0.00100	0.05487	0.01019	0.07230
	44	0.00653	0.00128	0.04100	0.00923	0.05804
	45	0.00705	0.00097	0.05031	0.01077	0.06911
	46	0.00687	0.00118	0.03776	0.00871	0.05453
	47	0.00617	0.00108	0.05817	0.00655	0.07197

48	0.00649	0.00097	0.06258	0.00789	0.07793
49	0.00681	0.00110	0.05391	0.00860	0.07042
50	0.00724	0.00080	0.05241	0.00732	0.06777
51	0.00564	0.00088	0.05102	0.01093	0.06846
52	0.00668	0.00093	0.03796	0.00847	0.05404
53	0.00602	0.00092	0.05671	0.00673	0.07037
54	0.00660	0.00114	0.05848	0.00800	0.07423
55	0.00584	0.00089	0.04619	0.00518	0.05808
56	0.00616	0.00093	0.04446	0.00543	0.05698
57	0.00659	0.00103	0.04744	0.00774	0.06281
58	0.00695	0.00125	0.05686	0.00750	0.07255
59	0.00738	0.00096	0.04847	0.00645	0.06326
60	0.00677	0.00098	0.06637	0.00514	0.07925
61	0.00653	0.00099	0.06122	0.00965	0.07838
62	0.00647	0.00109	0.04463	0.01096	0.06315
63	0.00653	0.00097	0.05005	0.00647	0.06402
64	0.00626	0.00085	0.03860	0.01073	0.05645
65	0.00623	0.00106	0.05094	0.00695	0.06518
66	0.00662	0.00106	0.06150	0.00718	0.07636
67	0.00662	0.00094	0.05686	0.00551	0.06993
68	0.00668	0.00088	0.04913	0.00597	0.06266
69	0.00717	0.00086	0.04751	0.00441	0.05996
70	0.00681	0.00130	0.04589	0.00564	0.05964
71	0.00563	0.00093	0.05506	0.00492	0.06654
72	0.00765	0.00089	0.07702	0.00423	0.08979
73	0.00636	0.00086	0.05087	0.01152	0.06961
74	0.00733	0.00099	0.04139	0.00901	0.05873
75	0.00648	0.00091	0.04758	0.00975	0.06472
76	0.00668	0.00114	0.03913	0.00802	0.05498
77	0.00791	0.00101	0.05236	0.00947	0.07076
78	0.00741	0.00094	0.07419	0.00914	0.09168
79	0.01043	0.00234	0.05799	0.00818	0.07894
80	0.01133	0.00279	0.04195	0.00971	0.06578
81	0.00680	0.00106	0.05675	0.01048	0.07508
82	0.00618	0.00086	0.03374	0.00638	0.04716
83	0.00669	0.00151	0.05092	0.00657	0.06569
84	0.00584	0.00086	0.05354	0.00565	0.06589
85	0.00672	0.00127	0.05564	0.00767	0.07130
86	0.00692	0.00086	0.05171	0.00609	0.06557
87	0.00627	0.00096	0.05404	0.00761	0.06889
88	0.00641	0.00085	0.03781	0.00755	0.05263
89	0.00701	0.00095	0.05331	0.00670	0.06798
90	0.00632	0.00105	0.06799	0.01006	0.08542
91	0.00616	0.00081	0.04753	0.00694	0.06144
92	0.00664	0.00102	0.04276	0.00733	0.05775
93	0.00678	0.00096	0.04669	0.00658	0.06102

94	0.00578	0.00097	0.03663	0.00816	0.05154
95	0.00760	0.00095	0.04686	0.00710	0.06251
96	0.00665	0.00093	0.07456	0.00603	0.08816
97	0.00588	0.00087	0.05429	0.00801	0.06905
98	0.00691	0.00302	0.04184	0.01092	0.06269
99	0.00643	0.00141	0.05642	0.00974	0.07400
100	0.00620	0.00100	0.03528	0.00900	0.05148
101	0.00756	0.00087	0.05102	0.00614	0.06560
102	0.00636	0.00105	0.05389	0.00547	0.06677
103	0.00748	0.00092	0.05837	0.00421	0.07098
104	0.00599	0.00161	0.04191	0.00618	0.05570
105	0.00679	0.00093	0.05050	0.00508	0.06329
106	0.00780	0.00083	0.04733	0.00530	0.06127
107	0.00699	0.00086	0.05344	0.00582	0.06710
108	0.00661	0.00076	0.08334	0.00396	0.09466
109	0.00580	0.00180	0.05933	0.01430	0.08122
110	0.00572	0.00111	0.03898	0.00987	0.05568
111	0.00607	0.00087	0.04721	0.01131	0.06547
112	0.00537	0.00085	0.03748	0.00816	0.05186
113	0.00580	0.00086	0.04740	0.00746	0.06152
114	0.00532	0.00094	0.05480	0.00617	0.06723
115	0.00536	0.00098	0.05171	0.00760	0.06564
116	0.00657	0.00081	0.04114	0.00740	0.05591
117	0.00610	0.00115	0.05040	0.00675	0.06440
118	0.00550	0.00094	0.03711	0.00629	0.04984
119	0.00575	0.00100	0.06220	0.00730	0.07625
120	0.00648	0.00109	0.06224	0.00784	0.07765
121	0.00538	0.00096	0.05044	0.00762	0.06441
122	0.00621	0.00108	0.03945	0.00708	0.05381
123	0.00597	0.00100	0.04473	0.00756	0.05926
124	0.00542	0.00083	0.03764	0.00862	0.05251
125	0.00565	0.00097	0.06239	0.00871	0.07772
126	0.00534	0.00089	0.08965	0.00649	0.10238
127	0.00515	0.00104	0.05125	0.00605	0.06350
128	0.00675	0.00101	0.04577	0.00647	0.06002
129	0.00565	0.00113	0.04844	0.00722	0.06244
130	0.00664	0.00091	0.03786	0.00736	0.05277
131	0.00630	0.00098	0.05336	0.00528	0.06593
132	0.00548	0.00092	0.06943	0.00650	0.08234
133	0.00576	0.00089	0.04887	0.00719	0.06271
134	0.00628	0.00091	0.04554	0.01099	0.06373
135	0.00522	0.00104	0.04745	0.01033	0.06404
136	0.00464	0.00096	0.03738	0.00875	0.05173
137	0.00645	0.00094	0.05618	0.00561	0.06918
138	0.00589	0.00093	0.07143	0.00556	0.08381
139	0.00567	0.00100	0.05786	0.00440	0.06892

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	140	0.00588	0.00100	0.04542	0.00657	0.05886
	141	0.00565	0.00096	0.04943	0.00511	0.06116
	142	0.00533	0.00073	0.04282	0.00528	0.05416
	143	0.00555	0.00099	0.06022	0.00615	0.07291
	144	0.00544	0.00085	0.06836	0.00430	0.07894
	145	0.00633	0.00098	0.04620	0.00699	0.06051
	146	0.00581	0.00129	0.03920	0.00939	0.05568
	147	0.00603	0.00088	0.03925	0.00945	0.05561
	148	0.00590	0.00093	0.03701	0.00774	0.05158
	149	0.00721	0.00105	0.05965	0.00846	0.07637
	150	0.00570	0.00122	0.08166	0.00913	0.09772
	151	0.00610	0.00080	0.04489	0.00744	0.05924
	152	0.00534	0.00119	0.04175	0.00748	0.05576
	153	0.00529	0.00087	0.04350	0.00583	0.05548
	154	0.00669	0.00107	0.03598	0.00835	0.05209
	155	0.00594	0.00098	0.05132	0.00738	0.06562
	156	0.00582	0.00094	0.06429	0.00640	0.07746
	157	0.00573	0.00095	0.04541	0.00763	0.05972
	158	0.00638	0.00088	0.05678	0.00951	0.07355
	159	0.00610	0.00097	0.04052	0.00775	0.05534
	160	0.00578	0.00082	0.03875	0.01212	0.05746
	161	0.00551	0.00218	0.06564	0.00700	0.08033
	162	0.00594	0.00098	0.07043	0.00970	0.08705
	163	0.00577	0.00106	0.04957	0.00571	0.06211
	164	0.00606	0.00091	0.05479	0.00535	0.06711
	165	0.00805	0.00099	0.04795	0.00614	0.06313
	166	0.00521	0.00092	0.03923	0.00722	0.05258
	167	0.00554	0.00094	0.06270	0.00659	0.07578
	168	0.00619	0.00083	0.08234	0.00458	0.09393
	169	0.00557	0.00103	0.04706	0.00554	0.05920
	170	0.00589	0.00101	0.03898	0.00906	0.05494
	171	0.00626	0.00090	0.05821	0.00652	0.07188
	172	0.00580	0.00085	0.03920	0.00819	0.05404
	173	0.00576	0.00094	0.05219	0.00931	0.06819
	174	0.00568	0.00087	0.06206	0.00702	0.07563
	175	0.00618	0.00081	0.05684	0.00486	0.06868
2	176	0.00520	0.00072	0.04151	0.00528	0.05271
	177	0.00654	0.00099	0.04988	0.00529	0.06271
	178	0.00555	0.00098	0.04286	0.00550	0.05489
	179	0.00546	0.00090	0.05835	0.00586	0.07056
	180	0.00580	0.00094	0.05970	0.00565	0.07210
	181	0.00604	0.00092	0.06377	0.01154	0.08226
	182	0.00601	0.00083	0.03947	0.00681	0.05312
	183	0.00643	0.00106	0.04377	0.00877	0.06004
	184	0.00529	0.00087	0.03718	0.00885	0.05218
	185	0.00586	0.00098	0.04577	0.01048	0.06310

	186	0.00563	0.00115	0.07220	0.01174	0.09071
	187	0.00662	0.00099	0.04569	0.00802	0.06131
	188	0.00535	0.00092	0.04017	0.00712	0.05356
	189	0.00526	0.00096	0.04338	0.00744	0.05705
	190	0.00589	0.00098	0.03737	0.00728	0.05153
	191	0.00524	0.00089	0.05216	0.00633	0.06462
	192	0.00608	0.00092	0.06736	0.00677	0.08114
	193	0.00549	0.00101	0.04579	0.00635	0.05864
	194	0.00566	0.00088	0.04276	0.01016	0.05946
	195	0.00526	0.00083	0.04063	0.00684	0.05356
	196	0.00556	0.00107	0.05501	0.00925	0.07089
	197	0.00506	0.00095	0.04773	0.01151	0.06526
	198	0.00594	0.00088	0.06329	0.01444	0.08455
	199	0.00587	0.00100	0.05081	0.00657	0.06425
	200	0.00463	0.00082	0.04625	0.00584	0.05754
	201	0.00613	0.00096	0.04846	0.00622	0.06177
	202	0.00624	0.00100	0.03853	0.00668	0.05244
2	203	0.00658	0.00108	0.05597	0.00508	0.06872
	204	0.00620	0.00093	0.07043	0.00736	0.08492
	205	0.00616	0.00105	0.04274	0.00883	0.05878
	206	0.00574	0.00107	0.03883	0.01113	0.05676
	207	0.00592	0.00086	0.04265	0.00894	0.05838
	208	0.00577	0.00109	0.03752	0.00726	0.05164
	209	0.00587	0.00116	0.05027	0.00721	0.06450
	210	0.00545	0.00081	0.07094	0.00694	0.08413
	211	0.00587	0.00087	0.04372	0.00615	0.05661
	212	0.00559	0.00085	0.04027	0.00525	0.05196
	213	0.00524	0.00096	0.04347	0.00610	0.05576
	214	0.00557	0.00086	0.04420	0.00474	0.05538
	215	0.00532	0.00101	0.05011	0.00568	0.06212
	216	0.00573	0.00075	0.07747	0.00489	0.08884
	217	0.00550	0.00089	0.06748	0.00764	0.08152
	218	0.00695	0.00171	0.03882	0.00914	0.05663
	219	0.00648	0.00095	0.04225	0.00764	0.05732
	220	0.00635	0.00087	0.03775	0.00694	0.05192
	221	0.00576	0.00103	0.04272	0.00762	0.05713
	222	0.00562	0.00094	0.07691	0.01033	0.09380
	223	0.00641	0.00095	0.05069	0.00576	0.06381
	224	0.00509	0.00079	0.04568	0.00823	0.05979
	225	0.00498	0.00108	0.05203	0.00754	0.06565
	226	0.00543	0.00089	0.04229	0.00490	0.05351
	227	0.00956	0.00378	0.04999	0.01279	0.07613
	228	0.00469	0.00085	0.06039	0.00629	0.07222
	229	0.00516	0.00105	0.04719	0.00890	0.06230
2	230	0.00514	0.00091	0.03996	0.01250	0.05852
	231	0.00556	0.00103	0.04069	0.00787	0.05515

	232	0.00578	0.00105	0.03773	0.00904	0.05360
	233	0.00574	0.00126	0.04939	0.00758	0.06397
	234	0.00656	0.00103	0.05865	0.00722	0.07347
	235	0.00506	0.00082	0.05006	0.00542	0.06135
	236	0.00510	0.00078	0.04896	0.00526	0.06010
	237	0.00618	0.00095	0.04867	0.00692	0.06273
	238	0.00543	0.00101	0.04594	0.00648	0.05886
	239	0.00559	0.00099	0.05508	0.00596	0.06761
	240	0.00538	0.00106	0.07174	0.00530	0.08349
	241	0.00576	0.00100	0.05019	0.00869	0.06563
	242	0.00521	0.00095	0.04418	0.01097	0.06131
	243	0.00562	0.00104	0.04518	0.00682	0.05867
	244	0.00559	0.00081	0.03956	0.01160	0.05757
	245	0.00584	0.00101	0.04874	0.00759	0.06318
	246	0.00482	0.00099	0.06140	0.00631	0.07352
	247	0.00494	0.00104	0.05422	0.00520	0.06541
	248	0.00668	0.00076	0.04197	0.00631	0.05572
	249	0.00544	0.00134	0.04888	0.00556	0.06122
	250	0.00505	0.00086	0.04358	0.00605	0.05554
	251	0.00622	0.00131	0.05621	0.00568	0.06942
	252	0.00511	0.00085	0.07150	0.00491	0.08239
	253	0.00591	0.00107	0.03960	0.00828	0.05486
	254	0.00518	0.00081	0.04440	0.00702	0.05741
	255	0.00514	0.00107	0.04560	0.01127	0.06308
	256	0.00513	0.00083	0.03633	0.00923	0.05151
2	257	0.00758	0.00236	0.05001	0.01219	0.07215
	258	0.00745	0.00210	0.05186	0.00969	0.07110
	259	0.00532	0.00094	0.05616	0.00702	0.06944
	260	0.00646	0.00098	0.04306	0.00728	0.05778
	261	0.00565	0.00102	0.05122	0.00593	0.06382
	262	0.00632	0.00109	0.05351	0.01515	0.07607
	263	0.00684	0.00116	0.05623	0.00666	0.07089
	264	0.00588	0.00100	0.05831	0.01208	0.07727
	265	0.00566	0.00097	0.04953	0.00799	0.06415
	266	0.00556	0.00095	0.04025	0.00932	0.05608
	267	0.00504	0.00112	0.04018	0.00755	0.05388
	268	0.00575	0.00085	0.03763	0.01185	0.05607
	269	0.00592	0.00095	0.04648	0.00653	0.05989
	270	0.00491	0.00089	0.05633	0.00586	0.06799
	271	0.00571	0.00108	0.07346	0.00585	0.08608
	272	0.00514	0.00091	0.04479	0.00628	0.05712
	273	0.00547	0.00095	0.04863	0.00517	0.06021
	274	0.00507	0.00077	0.03737	0.00684	0.05005
	275	0.00626	0.00415	0.05512	0.00656	0.07210
	276	0.00539	0.00080	0.07960	0.00426	0.09004
	277	0.00561	0.00088	0.05238	0.00697	0.06584

	278	0.00527	0.00087	0.04343	0.01145	0.06102
	279	0.00685	0.00106	0.05144	0.00917	0.06852
	280	0.00575	0.00084	0.04049	0.01122	0.05831
	281	0.00564	0.00095	0.05490	0.00760	0.06908
	282	0.00635	0.00086	0.06363	0.01256	0.08339
	283	0.00499	0.00087	0.05106	0.00474	0.06165
	284	0.00527	0.00086	0.05223	0.00555	0.06390
	285	0.00573	0.00085	0.05016	0.00470	0.06144
	286	0.00553	0.00123	0.04444	0.00661	0.05781
	287	0.00564	0.00090	0.05492	0.00484	0.06629
	288	0.00596	0.00130	0.07090	0.00408	0.08224
	289	0.00637	0.00111	0.03942	0.00862	0.05552
	290	0.00648	0.00094	0.04402	0.00823	0.05968
	291	0.00498	0.00101	0.04163	0.01192	0.05954
	292	0.00516	0.00080	0.03699	0.00870	0.05165
	293	0.00615	0.00114	0.06343	0.00687	0.07759
	294	0.00796	0.00292	0.05155	0.00908	0.07151
	295	0.00559	0.00133	0.04888	0.00741	0.06322
	296	0.00546	0.00106	0.04283	0.00730	0.05665
	297	0.00591	0.00092	0.05168	0.00859	0.06711
	298	0.00519	0.00084	0.03716	0.00820	0.05139
	299	0.00573	0.00107	0.05465	0.00848	0.06993
	300	0.00589	0.00095	0.06728	0.00699	0.08111
	301	0.00576	0.00106	0.05238	0.00767	0.06687
	302	0.00551	0.00083	0.04155	0.00749	0.05538
	303	0.00567	0.00101	0.04048	0.00687	0.05403
	304	0.00502	0.00086	0.03920	0.01207	0.05715
	305	0.00520	0.00087	0.04659	0.00725	0.05991
	306	0.00583	0.00097	0.06109	0.00723	0.07513
	307	0.00525	0.00106	0.05385	0.00585	0.06601
	308	0.00537	0.00088	0.04285	0.00543	0.05453
	309	0.00533	0.00095	0.04646	0.00681	0.05955
	310	0.00516	0.00086	0.03774	0.00704	0.05080
2	311	0.00618	0.00090	0.05347	0.00564	0.06619
	312	0.00576	0.00120	0.06867	0.00488	0.08051
	313	0.00604	0.00135	0.04832	0.00967	0.06538
	314	0.00546	0.00090	0.04726	0.00807	0.06170
	315	0.00510	0.00093	0.05203	0.00712	0.06519
	316	0.00466	0.00085	0.03836	0.00843	0.05229
	317	0.00641	0.00093	0.05481	0.01000	0.07214
	318	0.00502	0.00089	0.06752	0.00672	0.08014
	319	0.00574	0.00092	0.04298	0.00688	0.05652
	320	0.00473	0.00068	0.04168	0.00695	0.05403
	321	0.00622	0.00086	0.04243	0.00558	0.05509
	322	0.00589	0.00084	0.05942	0.00876	0.07492
	323	0.00525	0.00090	0.05335	0.00470	0.06420

324	0.00591	0.00086	0.05764	0.00478	0.06918

Tabla I.4: Tiempos máximos de procesamiento por frame en el filtro de sustracción de fondo.

I.7. Resultados para el filtro de detección de blobs

A continuación se presentan los resultados de cada métrica para los experimentos del único bloque del filtro Detección de blobs. Las distintas celdas de las tablas tienen tonos de grises que indican qué tan bueno o malo es el valor de la métrica comparado con el valor de la misma métrica en el resto de los experimentos del mismo bloque. Cuanto más blanco es el color, mejor es el valor.

I.7.1. Según las métricas del MOT Challenge

Bloque	Conf	Rcll	Prcn	FAR	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	MOTAL
	mejor	76.8	72.6	1.37	N/A	11	17	0	1087	988	29	197	47.1	65.0	47.8
	peor	33.6	46.8	2.58	N/A	0	7	7	2051	2827	120	272	-7.8	59.9	-5.8
1		74.7	69.4	1.77	19	11	7	1	1405	1078	43	221	40.7	64.6	41.7
1	2	74.7	70.1	1.71	19	8	11	0	1359	1078	32	252	42.0	62.1	42.7
1	3	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
1	4	73.0	68.7	1.79	19	8	11	0	1420	1148	53	246	38.5	64.8	39.7
1	5	52.4	58.2	2.01	19	0	17	2	1599	2029	102	272	12.4	63.4	14.8
1	6	51.0	58.0	1.98	19	0	17	2	1574	2088	120	272	11.2	63.4	14.0
1	7	49.8	58.5	1.89	19	0	16	3	1503	2137	84	255	12.6	63.4	14.5
1	8	40.4	48.3	2.32	19	0	14	5	1844	2537	72	250	-4.6	60.3	-2.9
1	9	41.4	51.8	2.06	19	0	15	4	1639	2496	55	216	1.6	62.1	2.9
1	10	35.5	50.8	1.85	19	0	13	6	1469	2745	87	222	-1.0	63.5	1.0
1	11	40.2	49.3	2.22	19	0	14	5	1762	2545	70	256	-2.8	60.1	-1.2
1	12	41.3	51.4	2.09	19	0	15	4	1660	2502	56	214	1.0	62.3	2.2
1	13	35.9	50.5	1.88	19	0	14	5	1495	2731	78	222	-1.1	63.5	0.7
1	14	37.5	48.8	2.11	19	0	13	6	1674	2663	60	228	-3.2	60.3	-1.9
1	15	37.1	51.2	1.90	19	0	14	5	1508	2677	81	228	-0.2	62.0	1.7
1	16	33.6	51.8	1.68	19	0	13	6	1336	2826	88	229	0.2	63.2	2.2
1	17	56.9	62.1	1.86	19	1	17	1	1478	1834	98	263	19.9	63.1	22.2
1	18	57.0	61.9	1.88	19	1	17	1	1495	1831	101	265	19.5	63.1	21.9
1	19	58.0	61.9	1.92	19	1	17	1	1524	1787	103	268	19.8	63.2	22.2
1	20	56.9	62.5	1.83	19	1	16	2	1451	1836	99	264	20.5	63.1	22.8
1	21	57.0	62.3	1.85	19	1	16	2	1468	1833	102	266	20.1	63.1	22.4
1	22	58.0	62.3	1.88	19	1	16	2	1497	1789	104	269	20.4	63.1	22.8
1	23	56.6	62.4	1.83	19	1	16	2	1453	1847	99	265	20.2	63.1	22.5
1	24	56.7	62.2	1.85	19	1	16	2	1470	1844	102	267	19.8	63.1	22.1
1	25	57.7	62.1	1.89	19	1	16	2	1499	1800	104	270	20.1	63.1	22.5
1	26	56.9	62.1	1.86	19	1	17	1	1478	1835	97	262	19.9	63.2	22.2
1	27	57.0	61.9	1.88	19	1	17	1	1495	1832	100	264	19.5	63.2	21.8

28	58.0	61.9	1.92	19	1	17	1	1524	1788	102	267	19.8	63.2	22.2
29	56.9	62.5	1.83	19	1	16	2	1451	1837	98	263	20.5	63.1	22.8
30	56.9	62.3	1.85	19	1	16	2	1468	1834	101	265	20.1	63.1	22.4
31	58.0	62.3	1.88	19	1	16	2	1497	1790	103	268	20.4	63.2	22.8
32	56.6	62.4	1.83	19	1	16	2	1452	1847	99	265	20.2	63.1	22.5
33	56.7	62.2	1.85	19	1	16	2	1469	1844	102	267	19.8	63.1	22.2
34	57.7	62.1	1.88	19	1	16	2	1498	1800	104	270	20.1	63.1	22.5
35	57.8	63.7	1.76	19	1	17	1	1400	1797	87	259	22.9	63.1	24.9
36	57.2	63.4	1.77	19	1	17	1	1408	1823	100	258	21.8	63.1	24.1
37	58.1	63.2	1.82	19	1	17	1	1444	1783	101	260	21.9	63.1	24.2
38	58.1	64.6	1.71	19	1	17	1	1358	1786	90	260	24.1	63.1	26.1
39	57.5	64.5	1.70	19	1	17	1	1350	1810	95	260	23.6	63.1	25.8
40	58.4	64.2	1.74	19	1	17	1	1386	1770	96	262	23.6	63.1	25.9
41	57.8	64.5	1.71	19	1	17	1	1357	1797	94	264	23.7	63.1	25.9
42	57.2	64.4	1.70	19	1	17	1	1349	1821	101	266	23.2	63.1	25.5
43	58.2	64.1	1.74	19	1	17	1	1385	1781	102	268	23.3	63.1	25.6
44	41.5	46.9	2.52	19	0	16	3	2005	2490	84	257	-7.5	60.0	-5.6
45	43.0	54.0	1.96	19	0	16	3	1562	2429	65	216	4.8	62.0	6.2
46	35.7	51.6	1.79	19	0	13	6	1427	2737	80	216	0.4	63.6	2.2
47	41.6	46.8	2.54	19	0	16	3	2017	2486	88	259	-7.8	60.0	-5.8
48	43.2	54.3	1.94	19	0	16	3	1546	2420	68	221	5.3	62.0	6.8
49	36.1	51.0	1.86	19	0	13	6	1478	2723	84	219	-0.6	63.6	1.3
50	42.5	46.9	2.58	19	0	16	3	2051	2447	91	261	-7.7	60.0	-5.7
51	43.8	54.2	1.98	19	0	16	3	1576	2393	70	224	5.2	62.0	6.8
52	36.8	51.1	1.89	19	0	13	6	1500	2690	85	222	-0.4	63.7	1.6
53	41.4	47.1	2.49	19	0	15	4	1978	2496	85	257	-7.0	60.0	-5.1
54	42.9	54.6	1.91	19	0	16	3	1516	2434	64	213	5.8	62.0	7.2
55	36.1	52.4	1.75	19	0	13	6	1394	2723	75	211	1.6	63.6	3.3
56	41.5	47.0	2.50	19	0	15	4	1990	2491	89	259	-7.3	60.0	-5.3

57	43.1	55.0	1.89	19	0	16	3	1500	2425	67	218	6.3	62.0	7.8
58	36.4	51.8	1.82	19	0	13	6	1443	2708	79	214	0.7	63.6	2.5
59	42.4	47.2	2.55	19	0	15	4	2024	2452	92	261	-7.3	60.0	-5.1
60	43.7	54.9	1.92	19	0	16	3	1530	2398	69	221	6.2	62.0	7.7
61	37.1	51.9	1.85	19	0	13	6	1468	2678	80	217	0.8	63.7	2.6
62	41.7	47.9	2.43	19	0	15	4	1932	2483	81	256	-5.6	60.1	-3.7
63	42.8	56.6	1.75	19	0	15	4	1395	2437	65	210	8.5	62.0	10.0
64	35.9	53.1	1.70	19	0	13	6	1354	2728	77	212	2.3	63.6	4.1
65	41.8	47.8	2.45	19	0	15	4	1944	2479	85	258	-5.8	60.1	-3.9
66	43.0	57.0	1.74	19	0	15	4	1382	2428	68	215	8.9	62.0	10.5
67	36.2	52.3	1.77	19	0	13	6	1405	2716	81	213	1.3	63.6	3.2
68	42.7	47.9	2.49	19	0	15	4	1978	2440	88	260	-5.8	60.0	-3.8
69	43.6	56.8	1.78	19	0	15	4	1412	2401	70	218	8.8	62.1	10.4
70	36.9	52.4	1.80	19	0	13	6	1430	2686	82	216	1.4	63.7	3.3
71	41.4	47.6	2.44	19	0	16	3	1939	2496	81	254	-6.0	59.9	-4.2
72	42.6	53.2	2.01	19	0	16	3	1597	2444	71	219	3.5	62.1	5.1
73	35.8	51.6	1.79	19	0	13	6	1426	2736	81	217	0.4	63.6	2.2
74	41.5	47.5	2.45	19	0	16	3	1951	2492	85	256	-6.3	59.9	-4.4
75	42.8	53.6	1.99	19	0	16	3	1581	2435	74	224	4.0	62.1	5.7
76	36.1	51.0	1.86	19	0	13	6	1477	2722	85	220	-0.6	63.6	1.4
77	42.4	47.6	2.50	19	0	16	3	1985	2453	88	258	-6.3	59.9	-4.2
78	43.5	53.5	2.03	19	0	16	3	1611	2408	76	227	3.9	62.1	5.6
79	36.9	51.2	1.89	19	0	13	6	1499	2689	86	223	-0.4	63.7	1.6
80	41.3	47.9	2.41	19	0	15	4	1913	2501	82	254	-5.6	59.9	-3.7
81	42.5	53.9	1.95	19	0	16	3	1551	2449	70	216	4.4	62.1	6.0
82	36.1	52.5	1.75	19	0	13	6	1393	2722	76	212	1.6	63.6	3.3
83	41.4	47.8	2.42	19	0	15	4	1925	2497	86	256	-5.8	59.9	-3.9
84	42.7	54.2	1.93	19	0	16	3	1535	2440	73	221	5.0	62.1	6.6
85	36.4	51.8	1.81	19	0	13	6	1442	2707	80	215	0.7	63.6	2.5
86	42.3	47.9	2.46	19	0	15	4	1959	2458	89	258	-5.8	59.9	-3.8

87	43.3	54.1	1.97	19	0	16	3	1565	2413	75	224	4.8	62.1	6.6
88	37.1	51.9	1.85	19	0	13	6	1467	2677	81	218	0.8	63.7	2.7
89	41.7	47.9	2.43	19	0	15	4	1933	2485	83	255	-5.7	60.1	-3.8
90	42.8	56.7	1.75	19	0	15	4	1394	2437	65	210	8.5	62.0	10.0
91	35.9	53.1	1.70	19	0	13	6	1354	2728	77	212	2.3	63.6	4.1
92	41.8	47.8	2.45	19	0	15	4	1944	2479	85	258	-5.8	60.1	-3.9
93	43.0	57.0	1.74	19	0	15	4	1381	2428	68	215	9.0	62.0	10.5
94	35.7	52.8	1.71	19	0	13	6	1359	2739	75	207	2.0	63.6	3.7
95	42.7	47.9	2.49	19	0	15	4	1979	2442	90	259	-5.9	60.0	-3.8
96	43.6	56.8	1.77	19	0	15	4	1411	2401	70	218	8.9	62.1	10.5
97	36.9	52.4	1.80	19	0	13	6	1430	2686	82	216	1.4	63.7	3.3
98	42.4	47.7	2.49	19	0	15	4	1978	2454	85	252	-6.1	60.0	-4.1
99	41.2	51.8	2.06	19	0	16	3	1637	2503	91	221	0.7	62.2	2.7
100	37.1	53.7	1.71	19	1	12	6	1363	2679	75	224	3.3	63.3	5.1
101	42.1	47.3	2.51	19	0	15	4	1994	2467	100	259	-7.1	60.0	-4.8
102	41.4	51.8	2.07	19	0	16	3	1642	2494	93	227	0.7	62.2	2.8
103	37.1	52.8	1.78	19	0	13	6	1413	2681	79	228	2.0	63.4	3.8
104	43.0	47.4	2.55	19	0	15	4	2028	2428	103	261	-7.0	60.0	-4.7
105	42.1	51.7	2.10	19	0	16	3	1672	2466	95	230	0.6	62.2	2.8
106	37.8	52.8	1.81	19	0	13	6	1437	2649	80	232	2.2	63.5	4.0
107	42.5	48.3	2.44	19	0	16	3	1939	2450	85	254	-5.0	59.9	-3.1
108	40.9	51.8	2.04	19	0	16	3	1622	2516	97	229	0.6	62.1	2.8
109	37.4	54.2	1.69	19	1	12	6	1345	2666	77	224	4.0	63.3	5.8
110	42.4	47.9	2.47	19	0	15	4	1964	2455	97	262	-6.0	59.9	-3.8
111	41.1	51.9	2.05	19	0	16	3	1626	2507	99	235	0.6	62.1	2.9
112	37.4	53.3	1.75	19	0	13	6	1395	2668	81	228	2.7	63.4	4.6
113	43.3	48.0	2.52	19	0	15	4	2000	2416	98	262	-6.0	59.9	-3.7
114	41.8	51.8	2.08	19	0	16	3	1655	2479	101	237	0.6	62.2	2.9
115	38.1	53.4	1.78	19	0	13	6	1418	2635	82	232	2.9	63.5	4.8

116	42.7	49.7	2.31	19	0	16	3	1839	2441	85	254	-2.5	60.0	-0.5
117	41.7	54.6	1.86	19	0	15	4	1478	2484	85	222	5.0	62.3	6.9
118	36.3	55.6	1.55	19	0	13	6	1233	2715	76	213	5.5	63.5	7.3
119	42.5	48.8	2.38	19	0	15	4	1894	2451	101	258	-4.4	60.0	-2.1
120	41.9	54.6	1.87	19	0	15	4	1483	2474	87	227	5.0	62.3	7.0
121	36.7	53.8	1.69	19	0	13	6	1340	2696	88	221	3.2	63.6	5.2
122	43.4	48.9	2.43	19	0	15	4	1928	2412	104	260	-4.3	59.9	-1.9
123	42.6	54.5	1.90	19	0	15	4	1512	2446	89	229	5.0	62.4	7.0
124	37.5	53.9	1.71	19	0	13	6	1363	2663	89	225	3.4	63.6	5.4
125	71.0	66.3	1.93	19	4	14	1	1537	1237	44	251	33.8	65.0	34.8
126	73.1	68.8	1.78	19	8	11	0	1413	1147	38	244	39.0	62.4	39.9
127	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
128	73.3	68.4	1.81	19	8	11	0	1441	1138	38	219	38.6	64.9	39.4
129	55.3	61.4	1.86	19	2	15	2	1478	1905	89	269	18.5	63.4	20.5
130	55.3	61.5	1.85	19	2	15	2	1473	1904	89	269	18.6	63.3	20.7
131	53.4	60.1	1.90	19	1	15	3	1511	1986	85	249	15.9	63.5	17.8
132	40.3	48.6	2.29	19	0	14	5	1818	2541	81	235	-4.2	60.0	-2.4
133	42.8	55.4	1.84	19	0	16	3	1465	2437	69	224	6.8	61.5	8.3
134	35.5	51.9	1.77	19	0	14	5	1405	2746	94	226	0.3	62.8	2.5
135	40.3	48.3	2.31	19	0	14	5	1837	2541	81	240	-4.7	60.0	-2.8
136	42.7	55.7	1.82	19	0	16	3	1448	2441	71	226	7.0	61.5	8.6
137	35.5	51.8	1.77	19	0	14	5	1408	2747	94	226	0.2	62.8	2.4
138	41.2	49.5	2.25	19	0	15	4	1791	2506	93	257	-3.1	60.3	-0.9
139	41.7	53.4	1.95	19	0	15	4	1549	2481	97	243	3.1	61.6	5.3
140	37.5	53.1	1.77	19	0	13	6	1409	2662	87	244	2.4	63.1	4.4
141	56.8	62.3	1.84	19	4	14	1	1463	1841	91	245	20.3	63.3	22.4
142	56.9	61.7	1.89	19	4	14	1	1506	1835	94	248	19.3	63.2	21.5
143	57.2	61.8	1.89	19	4	14	1	1506	1823	98	251	19.5	63.2	21.8
144	56.8	62.7	1.81	19	4	14	1	1442	1839	91	245	20.8	63.3	22.9
145	56.9	62.0	1.87	19	4	14	1	1486	1834	94	248	19.8	63.2	22.0

146	57.2	62.1	1.87	19	4	14	1	1486	1822	98	251	20.0	63.2	22.3
147	56.8	62.8	1.80	19	4	14	1	1433	1839	91	245	21.0	63.3	23.1
148	56.9	62.1	1.86	19	4	14	1	1477	1834	94	248	20.1	63.2	22.2
149	57.2	62.3	1.86	19	4	14	1	1477	1822	98	251	20.2	63.2	22.5
150	56.8	62.3	1.84	19	4	14	1	1462	1841	91	245	20.3	63.3	22.4
151	56.9	61.7	1.89	19	4	14	1	1505	1835	94	248	19.4	63.2	21.5
152	57.2	61.8	1.89	19	4	14	1	1505	1823	98	251	19.6	63.2	21.8
153	56.8	62.7	1.81	19	4	14	1	1441	1839	91	245	20.8	63.3	22.9
154	56.9	62.0	1.87	19	4	14	1	1485	1834	94	248	19.9	63.2	22.0
155	57.2	62.1	1.87	19	4	14	1	1485	1822	98	251	20.1	63.2	22.3
156	56.8	62.8	1.80	19	4	14	1	1432	1839	91	245	21.1	63.3	23.2
157	56.9	62.2	1.86	19	4	14	1	1476	1834	94	248	20.1	63.2	22.2
158	57.2	62.3	1.86	19	4	14	1	1476	1822	98	251	20.3	63.2	22.5
159	55.3	60.4	1.94	19	1	17	1	1546	1904	83	247	17.0	63.4	18.9
160	55.3	59.6	2.01	19	1	17	1	1594	1904	88	254	15.8	63.3	17.8
161	55.6	59.7	2.01	19	1	17	1	1597	1893	91	257	15.9	63.4	18.0
162	55.6	61.3	1.89	19	1	17	1	1499	1889	82	248	18.5	63.4	20.4
163	55.7	60.5	1.94	19	1	17	1	1546	1888	85	254	17.4	63.4	19.3
164	56.0	60.7	1.94	19	1	17	1	1544	1875	88	258	17.7	63.4	19.7
165	55.7	61.5	1.87	19	1	17	1	1485	1887	82	249	18.9	63.4	20.8
166	55.7	60.8	1.93	19	1	17	1	1532	1886	85	255	17.8	63.4	19.7
167	56.0	60.8	1.93	19	1	17	1	1535	1875	88	258	17.9	63.4	19.9
168	40.1	47.4	2.38	19	0	15	4	1892	2551	88	235	-6.4	60.0	-4.4
169	40.8	53.5	1.90	19	0	14	5	1511	2520	80	216	3.5	61.5	5.3
170	34.4	53.2	1.63	19	0	13	6	1292	2792	87	222	2.1	62.8	4.1
171	40.2	47.4	2.39	19	0	15	4	1899	2546	90	238	-6.5	60.0	-4.4
172	40.7	53.4	1.91	19	0	15	4	1516	2524	86	215	3.1	61.5	5.1
173	34.9	53.3	1.64	19	0	13	6	1302	2772	90	220	2.2	62.7	4.3
174	40.4	47.5	2.39	19	0	15	4	1904	2538	95	241	-6.5	60.0	-4.3

175	40.8	53.2	1.92	19	0	15	4	1528	2523	85	216	2.9	61.5	4.8
176	35.0	53.4	1.64	19	0	13	6	1304	2767	96	225	2.2	62.8	4.4
177	40.1	47.5	2.37	19	0	15	4	1888	2553	91	233	-6.4	60.0	-4.3
178	41.3	53.8	1.90	19	0	14	5	1512	2500	71	211	4.1	61.6	5.8
179	34.6	54.2	1.57	19	0	13	6	1246	2785	85	216	3.4	62.8	5.3
180	40.1	47.4	2.38	19	0	15	4	1895	2551	94	234	-6.6	60.0	-4.4
181	41.2	53.6	1.91	19	0	15	4	1518	2506	76	209	3.7	61.6	5.5
182	35.1	54.2	1.59	19	0	13	6	1265	2765	87	213	3.3	62.7	5.3
183	40.3	47.5	2.38	19	0	15	4	1894	2544	95	235	-6.4	60.0	-4.2
184	41.2	53.4	1.92	19	0	15	4	1530	2503	76	211	3.5	61.6	5.3
185	35.2	54.2	1.59	19	0	13	6	1267	2760	93	218	3.3	62.8	5.4
186	40.0	48.0	2.32	19	0	15	4	1844	2554	91	233	-5.4	60.0	-3.3
187	41.3	53.8	1.90	19	0	14	5	1509	2500	71	211	4.2	61.6	5.8
188	33.6	56.8	1.37	19	0	12	7	1087	2827	84	210	6.1	62.9	8.1
189	40.1	48.0	2.33	19	0	15	4	1851	2552	94	234	-5.6	60.0	-3.4
190	41.2	53.8	1.89	19	0	15	4	1505	2505	76	209	4.1	61.6	5.8
191	34.0	56.7	1.39	19	0	12	7	1107	2811	86	207	6.0	62.8	8.0
192	40.2	48.1	2.33	19	0	15	4	1850	2545	95	235	-5.4	60.0	-3.2
193	41.3	53.5	1.92	19	0	15	4	1526	2502	77	212	3.6	61.6	5.4
194	34.1	56.7	1.40	19	0	12	7	1110	2806	92	212	5.9	62.9	8.0
195	40.2	47.5	2.38	19	0	15	4	1890	2549	91	233	-6.4	60.0	-4.3
196	40.8	53.8	1.88	19	0	14	5	1492	2522	81	216	3.9	61.5	5.7
197	34.5	53.3	1.62	19	0	13	6	1288	2788	86	221	2.3	62.8	4.3
198	40.2	47.5	2.38	19	0	15	4	1895	2546	94	235	-6.5	59.9	-4.3
199	40.6	53.6	1.88	19	0	15	4	1498	2530	87	216	3.4	61.6	5.4
200	34.8	53.1	1.65	19	0	13	6	1309	2777	91	220	1.9	62.8	4.0
201	40.4	47.6	2.38	19	0	15	4	1894	2539	95	236	-6.3	59.9	-4.1
202	40.7	53.4	1.90	19	0	15	4	1510	2527	87	218	3.2	61.6	5.2
203	34.9	53.1	1.65	19	0	13	6	1312	2773	97	226	1.8	62.8	4.0
204	40.0	47.4	2.38	19	0	15	4	1893	2556	90	233	-6.6	60.0	-4.5

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205	41.3	54.1	1.88	19	0	14	5	1491	2502	72	211	4.6	61.6	6.2
206	34.6	54.2	1.57	19	0	13	6	1246	2785	85	216	3.4	62.8	5.3
207	40.1	47.4	2.39	19	0	15	4	1897	2552	94	233	-6.7	60.0	-4.5
208	41.1	53.9	1.89	19	0	15	4	1499	2508	79	212	4.1	61.6	5.9
209	35.1	54.2	1.59	19	0	13	6	1265	2765	87	213	3.3	62.7	5.3
210	40.2	47.5	2.38	19	0	15	4	1896	2545	95	234	-6.5	60.0	-4.3
211	41.1	53.7	1.90	19	0	15	4	1511	2507	78	213	3.8	61.7	5.6
212	35.2	54.2	1.59	19	0	13	6	1267	2760	93	218	3.3	62.8	5.4
213	40.3	48.2	2.32	19	0	15	4	1842	2543	88	232	-5.0	60.0	-3.0
214	41.3	54.1	1.87	19	0	14	5	1488	2502	72	211	4.6	61.6	6.3
215	33.6	56.8	1.37	19	0	12	7	1087	2827	84	210	6.1	62.9	8.1
216	40.3	48.1	2.33	19	0	15	4	1850	2542	91	233	-5.3	60.0	-3.2
217	41.1	54.1	1.87	19	0	15	4	1486	2509	78	211	4.4	61.7	6.2
218	34.4	55.4	1.49	19	0	12	7	1182	2793	90	211	4.6	62.8	6.6
219	40.5	48.3	2.33	19	0	15	4	1849	2535	92	234	-5.1	60.0	-3.0
220	41.2	53.9	1.88	19	0	15	4	1498	2506	78	213	4.2	61.7	5.9
221	34.1	56.7	1.40	19	0	12	7	1110	2806	92	212	5.9	62.9	8.0
222	42.0	48.7	2.37	19	0	16	3	1882	2471	85	247	-4.2	60.2	-2.3
223	41.1	52.5	1.99	19	0	14	5	1585	2509	101	237	1.5	61.7	3.8
224	35.7	53.4	1.67	19	0	13	6	1327	2737	95	226	2.3	63.0	4.5
225	42.4	49.0	2.36	19	0	16	3	1879	2453	87	250	-3.8	60.2	-1.8
226	41.2	52.7	1.98	19	0	14	5	1578	2504	101	237	1.8	61.8	4.1
227	35.9	53.1	1.70	19	0	13	6	1351	2728	98	224	1.9	63.0	4.2
228	42.6	49.2	2.36	19	0	16	3	1877	2444	88	251	-3.5	60.2	-1.5
229	41.5	52.8	1.99	19	0	14	5	1580	2492	104	239	1.9	61.7	4.3
230	35.9	53.0	1.71	19	0	13	6	1360	2728	105	231	1.5	63.1	4.0
231	42.1	49.1	2.34	19	0	16	3	1862	2466	85	247	-3.6	60.2	-1.7
232	41.3	52.9	1.97	19	0	14	5	1563	2502	94	241	2.3	61.7	4.5
233	35.6	54.6	1.58	19	0	13	6	1259	2742	91	221	3.9	63.0	6.0

1	234	42.5	49.1	2.36	19	0	16	3	1878	2448	85	252	-3.6	60.3	-1.6
	235	41.1	52.9	1.96	19	0	14	5	1558	2507	100	241	2.2	61.7	4.5
	236	35.7	54.1	1.62	19	0	13	6	1288	2740	95	218	3.2	63.0	5.4
	237	42.7	49.2	2.36	19	0	16	3	1878	2439	89	254	-3.5	60.2	-1.4
	238	41.1	52.7	1.98	19	0	14	5	1573	2508	99	241	1.9	61.7	4.1
	239	35.9	54.3	1.62	19	0	13	6	1286	2732	99	222	3.3	63.1	5.6
	240	42.0	49.1	2.33	19	0	16	3	1853	2471	89	246	-3.6	60.2	-1.6
	241	41.2	53.0	1.96	19	0	14	5	1555	2504	91	236	2.6	61.7	4.6
	242	34.5	56.9	1.40	19	0	12	7	1113	2789	84	215	6.4	63.0	8.3
	243	42.9	50.4	2.26	19	0	16	3	1798	2434	84	250	-1.3	60.3	0.6
	244	41.0	53.0	1.94	19	0	14	5	1546	2514	95	235	2.4	61.7	4.6
	245	35.6	56.1	1.49	19	0	12	7	1187	2741	95	217	5.5	63.0	7.7
	246	43.1	50.5	2.26	19	0	16	3	1798	2425	88	252	-1.2	60.3	0.8
	247	41.1	52.9	1.96	19	0	14	5	1556	2510	96	236	2.3	61.7	4.5
	248	34.8	56.6	1.43	19	0	12	7	1138	2777	92	218	5.9	63.1	8.0

Tabla I.5: Resultados del MOT Challenge en el filtro de detección de blobs.

I.7.2. Según las métricas de diferencia en el conteo de personas

Bloque	Conf	Nro. de Personas vs GT			Nro. de Tracklets vs GT			Nro. interpolado vs GT		
		Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima
	mejor	0.91	0	4	0.40	0	2	0.40	0	2
	peor	3.76	0	8	2.29	0	7	2.37	0	7
1	1	0.91	0	4	0.50	0	3	0.50	0	3
	2	1.01	0	5	0.48	0	4	0.48	0	4
	3	1.04	0	4	0.54	0	3	0.53	0	3
	4	1.13	0	6	0.64	0	4	0.64	0	4
	5	2.24	0	7	1.39	0	5	1.38	0	5
	6	2.26	0	7	1.33	0	5	1.34	0	5
	7	2.53	0	7	1.28	0	4	1.34	0	4
	8	2.59	0	7	1.49	0	5	1.54	0	5
	9	2.95	0	8	1.69	0	5	1.73	0	5
	10	3.41	0	8	1.87	0	5	1.93	0	5
	11	2.60	0	7	1.60	0	6	1.64	0	6
	12	2.96	0	8	1.65	0	5	1.69	0	5
	13	3.42	0	8	1.82	0	5	1.88	0	5
	14	2.82	0	7	1.75	0	6	1.79	0	6
	15	3.14	0	8	1.79	0	6	1.85	0	6
	16	3.56	0	8	1.99	0	5	2.10	0	5
	17	1.97	0	7	1.10	0	5	1.11	0	5
	18	1.95	0	7	1.08	0	5	1.09	0	5
	19	1.93	0	7	0.99	0	5	1.00	0	5
	20	1.99	0	7	1.14	0	5	1.14	0	5
	21	1.97	0	7	1.11	0	5	1.12	0	5
	22	1.94	0	7	1.02	0	5	1.03	0	5
	23	2.00	0	7	1.13	0	5	1.14	0	5
	24	1.98	0	7	1.11	0	5	1.12	0	5
	25	1.95	0	7	1.02	0	5	1.03	0	5
	26	1.98	0	7	1.10	0	5	1.11	0	5

27	1.95	0	7	1.07	0	5	1.08	0	5
28	1.93	0	7	0.99	0	5	1.00	0	5
29	1.99	0	7	1.13	0	5	1.14	0	5
30	1.97	0	7	1.11	0	5	1.12	0	5
31	1.95	0	7	1.02	0	5	1.03	0	5
32	2.00	0	7	1.13	0	5	1.14	0	5
33	1.98	0	7	1.11	0	5	1.12	0	5
34	1.95	0	7	1.02	0	5	1.03	0	5
35	2.00	0	7	1.12	0	4	1.12	0	4
36	1.98	0	7	1.10	0	5	1.11	0	5
37	1.96	0	7	1.01	0	5	1.02	0	5
38	2.00	0	7	1.15	0	4	1.15	0	4
39	1.98	0	7	1.15	0	4	1.16	0	4
40	1.96	0	7	1.06	0	4	1.07	0	4
41	2.01	0	7	1.14	0	4	1.14	0	4
42	1.99	0	7	1.15	0	4	1.16	0	4
43	1.96	0	7	1.06	0	4	1.06	0	4
44	2.46	0	7	1.29	0	4	1.35	0	4
45	2.90	0	8	1.60	0	5	1.65	0	5
46	3.44	0	8	1.93	0	7	1.99	0	7
47	2.44	0	7	1.27	0	4	1.33	0	4
48	2.88	0	8	1.61	0	5	1.66	0	5
49	3.41	0	8	1.88	0	7	1.94	0	7
50	2.42	0	7	1.21	0	4	1.25	0	4
51	2.86	0	8	1.53	0	5	1.59	0	5
52	3.39	0	8	1.81	0	7	1.88	0	7
53	2.49	0	7	1.32	0	4	1.38	0	4
54	2.92	0	8	1.66	0	5	1.71	0	5
55	3.46	0	8	1.93	0	7	1.98	0	7

56	2.46	0	7	1.30	0	4	1.36	0	4
57	2.90	0	8	1.66	0	5	1.71	0	5
58	3.44	0	8	1.88	0	7	1.94	0	7
59	2.44	0	7	1.24	0	4	1.28	0	4
60	2.88	0	8	1.58	0	5	1.65	0	5
61	3.41	0	8	1.81	0	7	1.87	0	7
62	2.52	0	7	1.34	0	4	1.40	0	4
63	2.97	0	8	1.78	0	5	1.82	0	5
64	3.47	0	8	1.97	0	7	2.02	0	7
65	2.49	0	7	1.32	0	4	1.38	0	4
66	2.95	0	8	1.78	0	5	1.83	0	5
67	3.45	0	8	1.91	0	7	1.97	0	7
68	2.47	0	7	1.26	0	4	1.30	0	4
69	2.92	0	8	1.71	0	5	1.75	0	5
70	3.43	0	8	1.84	0	7	1.90	0	7
71	2.46	0	7	1.38	0	4	1.42	0	4
72	2.90	0	8	1.58	0	5	1.63	0	5
73	3.44	0	8	1.93	0	7	1.99	0	7
74	2.44	0	7	1.36	0	4	1.40	0	4
75	2.88	0	8	1.59	0	5	1.64	0	5
76	3.41	0	8	1.88	0	7	1.94	0	7
77	2.42	0	7	1.30	0	4	1.33	0	4
78	2.85	0	8	1.51	0	5	1.57	0	5
79	3.39	0	8	1.81	0	7	1.88	0	7
80	2.49	0	7	1.41	0	4	1.45	0	4
81	2.92	0	8	1.64	0	5	1.69	0	5
82	3.46	0	8	1.93	0	7	1.98	0	7
83	2.46	0	7	1.39	0	4	1.43	0	4
84	2.90	0	8	1.64	0	5	1.69	0	5
85	3.44	0	8	1.88	0	7	1.94	0	7

86	2.44	0	7	1.33	0	4	1.35	0	4
87	2.88	0	8	1.56	0	5	1.63	0	5
88	3.41	0	8	1.81	0	7	1.87	0	7
89	2.50	0	7	1.34	0	4	1.40	0	4
90	2.97	0	8	1.78	0	5	1.82	0	5
91	3.47	0	8	1.97	0	7	2.02	0	7
92	2.49	0	7	1.32	0	4	1.38	0	4
93	2.95	0	8	1.79	0	5	1.83	0	5
94	3.53	0	8	2.00	0	7	2.05	0	7
95	2.46	0	7	1.26	0	4	1.31	0	4
96	2.92	0	8	1.71	0	5	1.75	0	5
97	3.43	0	8	1.84	0	7	1.90	0	7
98	2.43	0	7	1.29	0	5	1.35	0	5
99	2.86	0	8	1.60	0	5	1.67	0	5
100	3.38	0	8	1.92	0	6	2.00	0	6
101	2.41	0	7	1.27	0	5	1.34	0	5
102	2.84	0	8	1.58	0	5	1.65	0	5
103	3.36	0	8	1.89	0	6	1.98	0	6
104	2.39	0	7	1.21	0	5	1.27	0	5
105	2.81	0	8	1.50	0	5	1.58	0	5
106	3.34	0	8	1.82	0	6	1.91	0	6
107	2.45	0	7	1.32	0	5	1.38	0	5
108	2.86	0	8	1.65	0	5	1.72	0	5
109	3.40	0	8	1.92	0	6	2.00	0	6
110	2.42	0	7	1.29	0	5	1.36	0	5
111	2.84	0	8	1.63	0	5	1.70	0	5
112	3.37	0	8	1.89	0	6	1.98	0	6
113	2.40	0	7	1.23	0	5	1.28	0	5
114	2.82	0	8	1.55	0	5	1.63	0	5

115	3.35	0	8	1.82	0	6	1.91	0	6			
116	2.47	0	7	1.41	0	5	1.46	0	5			
117	2.92	0	8	1.76	0	5	1.81	0	5			
118	3.52	0	8	2.15	0	6	2.16	0	6			
119	2.44	0	7	1.36	0	6	1.41	0	6			
120	2.89	0	8	1.74	0	5	1.79	0	5			
121	3.40	0	8	1.99	0	6	2.02	0	6			
122	2.42	0	7	1.30	0	6	1.33	0	6			
123	2.87	0	8	1.66	0	5	1.71	0	5			
124	3.38	0	8	1.92	0	6	1.95	0	6			
125	0.98	0	5	0.49	0	2	0.47	0	2			
126	1.03	0	6	0.46	0	2	0.46	0	2			
127	1.00	0	6	0.40	0	3	0.40	0	3			
128	1.03	0	5	0.67	0	5	0.63	0	4			
129	2.18	0	7	1.10	0	4	1.14	0	4			
130	2.18	0	7	1.11	0	4	1.14	0	4			
131	2.24	0	7	1.19	0	5	1.21	0	4			
132	2.53	0	7	1.58	0	6	1.61	0	6			
133	3.01	0	8	1.74	0	6	1.81	0	6			
134	3.60	0	8	1.90	0	7	1.99	0	7			
135	2.52	0	7	1.56	0	6	1.59	0	6			
136	3.01	0	8	1.77	0	6	1.83	0	6			
137	3.60	0	8	1.90	0	7	1.99	0	7			
138	2.53	0	7	1.47	0	6	1.52	0	6			
139	2.92	0	8	1.69	0	7	1.77	0	7			
140	3.51	0	8	1.77	0	6	1.87	0	6			
141	2.08	0	7	1.13	0	4	1.15	0	4			
142	2.04	0	7	1.06	0	4	1.09	0	4			
143	2.02	0	7	1.04	0	4	1.07	0	4			
144	2.10	0	7	1.14	0	4	1.17	0	4			

145	2.06	0	7	1.08	0	4	1.10	0	4
146	2.04	0	7	1.06	0	4	1.08	0	4
147	2.11	0	7	1.15	0	4	1.18	0	4
148	2.07	0	7	1.08	0	4	1.11	0	4
149	2.05	0	7	1.07	0	4	1.09	0	4
150	2.08	0	7	1.13	0	4	1.16	0	4
151	2.04	0	7	1.06	0	4	1.09	0	4
152	2.02	0	7	1.05	0	4	1.07	0	4
153	2.10	0	7	1.14	0	4	1.17	0	4
154	2.06	0	7	1.08	0	4	1.10	0	4
155	2.04	0	7	1.06	0	4	1.09	0	4
156	2.11	0	7	1.15	0	4	1.18	0	4
157	2.07	0	7	1.09	0	4	1.11	0	4
158	2.05	0	7	1.07	0	4	1.09	0	4
159	2.09	0	6	1.15	0	5	1.17	0	4
160	2.04	0	6	1.08	0	5	1.11	0	4
161	2.02	0	6	1.06	0	5	1.08	0	4
162	2.09	0	6	1.10	0	4	1.13	0	4
163	2.05	0	6	1.04	0	4	1.07	0	4
164	2.03	0	7	1.02	0	4	1.05	0	4
165	2.09	0	6	1.11	0	4	1.14	0	4
166	2.05	0	6	1.05	0	4	1.08	0	4
167	2.03	0	6	1.03	0	4	1.06	0	4
168	2.48	0	7	1.47	0	5	1.50	0	5
169	3.01	0	8	1.80	0	6	1.84	0	6
170	3.63	0	8	2.00	0	6	2.10	0	6
171	2.46	0	7	1.49	0	5	1.51	0	5
172	3.00	0	8	1.78	0	6	1.83	0	6
173	3.61	0	8	1.99	0	6	2.08	0	6

174	2.44	0	7	1.47	0	5	1.49	0	5
175	2.99	0	8	1.77	0	6	1.81	0	6
176	3.60	0	8	1.97	0	6	2.07	0	6
177	2.50	0	7	1.49	0	5	1.52	0	5
178	3.05	0	8	1.75	0	6	1.80	0	6
179	3.66	0	8	2.02	0	6	2.12	0	6
180	2.48	0	7	1.51	0	5	1.53	0	5
181	3.04	0	8	1.74	0	6	1.79	0	6
182	3.64	0	8	2.02	0	6	2.11	0	6
183	2.47	0	7	1.51	0	5	1.53	0	5
184	3.02	0	8	1.72	0	6	1.77	0	6
185	3.62	0	8	2.00	0	6	2.10	0	6
186	2.53	0	7	1.54	0	5	1.57	0	5
187	3.05	0	8	1.76	0	6	1.81	0	6
188	3.76	0	8	2.29	0	6	2.37	0	6
189	2.52	0	7	1.56	0	5	1.58	0	5
190	3.05	0	8	1.76	0	6	1.81	0	6
191	3.73	0	8	2.28	0	6	2.36	0	6
192	2.50	0	7	1.55	0	5	1.57	0	5
193	3.01	0	8	1.73	0	6	1.78	0	6
194	3.72	0	8	2.26	0	6	2.34	0	6
195	2.49	0	7	1.47	0	5	1.50	0	5
196	3.01	0	8	1.82	0	6	1.87	0	6
197	3.63	0	8	2.00	0	6	2.10	0	6
198	2.47	0	7	1.50	0	5	1.52	0	5
199	3.01	0	8	1.81	0	6	1.86	0	6
200	3.60	0	8	1.99	0	6	2.08	0	6
201	2.45	0	7	1.49	0	5	1.51	0	5
202	2.99	0	8	1.79	0	6	1.84	0	6
203	3.58	0	8	1.97	0	6	2.07	0	6

204	2.50	0	7	1.49	0	5	1.52	0	5
205	3.05	0	8	1.78	0	6	1.83	0	6
206	3.66	0	8	2.02	0	6	2.12	0	6
207	2.49	0	7	1.51	0	5	1.53	0	5
208	3.03	0	8	1.77	0	6	1.81	0	6
209	3.64	0	8	2.02	0	6	2.11	0	6
210	2.47	0	7	1.51	0	5	1.53	0	5
211	3.02	0	8	1.75	0	6	1.80	0	6
212	3.62	0	8	2.00	0	6	2.10	0	6
213	2.54	0	7	1.52	0	5	1.55	0	5
214	3.05	0	8	1.78	0	6	1.83	0	6
215	3.76	0	8	2.29	0	6	2.37	0	6
216	2.52	0	7	1.55	0	5	1.57	0	5
217	3.06	0	8	1.79	0	6	1.83	0	6
218	3.67	0	8	2.17	0	6	2.25	0	6
219	2.51	0	7	1.54	0	5	1.56	0	5
220	3.04	0	8	1.77	0	6	1.81	0	6
221	3.72	0	8	2.26	0	6	2.34	0	6
222	2.47	0	7	1.32	0	4	1.38	0	4
223	2.92	0	8	1.64	0	6	1.69	0	6
224	3.54	0	8	1.93	0	7	2.03	0	7
225	2.45	0	7	1.29	0	5	1.34	0	5
226	2.91	0	8	1.64	0	6	1.69	0	6
227	3.52	0	8	1.92	0	7	2.01	0	7
228	2.44	0	7	1.28	0	5	1.33	0	5
229	2.88	0	8	1.62	0	6	1.68	0	6
230	3.49	0	8	1.90	0	7	1.99	0	7
231	2.47	0	7	1.33	0	4	1.38	0	4
232	2.93	0	8	1.66	0	6	1.71	0	6

233	3.58	0	8	2.04	0	6	2.13	0	6
234	2.44	0	7	1.27	0	4	1.32	0	4
235	2.91	0	8	1.66	0	6	1.71	0	6
236	3.54	0	8	2.03	0	6	2.12	0	6
237	2.42	0	7	1.26	0	4	1.30	0	4
238	2.90	0	8	1.64	0	6	1.69	0	6
239	3.54	0	8	2.01	0	6	2.10	0	6
240	2.50	0	7	1.33	0	4	1.39	0	4
241	2.94	0	8	1.68	0	6	1.73	0	6
242	3.69	0	8	2.26	0	6	2.34	0	6
243	2.46	0	7	1.35	0	5	1.40	0	5
244	2.94	0	8	1.69	0	6	1.74	0	6
245	3.57	0	8	2.17	0	6	2.24	0	6
246	2.44	0	7	1.34	0	5	1.38	0	5
247	2.92	0	8	1.67	0	6	1.72	0	6
248	3.64	0	8	2.24	0	6	2.31	0	6

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Tabla I.6: Diferencias contra el Ground Truth (GT) en el conteo de personas, en el filtro de detección de blobs.

I.7.3. Según las métricas de tiempos máximos y promedio de procesamiento por frame

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00346	0.00049	0.01993	0.00153	0.02566
	peor	0.00388	0.00066	0.02853	0.00309	0.03508
1	1	0.00379	0.00059	0.02238	0.00309	0.02987
	2	0.00346	0.00053	0.02088	0.00272	0.02759
	3	0.00351	0.00053	0.01993	0.00280	0.02678
	4	0.00348	0.00054	0.02082	0.00282	0.02765
	5	0.00348	0.00066	0.02853	0.00242	0.03508
	6	0.00349	0.00064	0.02764	0.00236	0.03414
	7	0.00348	0.00065	0.02683	0.00227	0.03322
	8	0.00350	0.00066	0.02783	0.00222	0.03421
	9	0.00348	0.00065	0.02653	0.00202	0.03268
	10	0.00350	0.00064	0.02568	0.00181	0.03163
	11	0.00348	0.00064	0.02700	0.00220	0.03332
	12	0.00347	0.00064	0.02556	0.00197	0.03165
	13	0.00348	0.00063	0.02501	0.00180	0.03092
	14	0.00350	0.00062	0.02616	0.00203	0.03231
	15	0.00347	0.00064	0.02477	0.00190	0.03078
	16	0.00347	0.00062	0.02393	0.00167	0.02968
	17	0.00350	0.00060	0.02402	0.00240	0.03053
	18	0.00350	0.00062	0.02442	0.00238	0.03091
	19	0.00348	0.00060	0.02490	0.00245	0.03144
	20	0.00349	0.00059	0.02390	0.00236	0.03034
	21	0.00348	0.00060	0.02431	0.00238	0.03077
	22	0.00348	0.00061	0.02466	0.00245	0.03120
	23	0.00348	0.00060	0.02366	0.00243	0.03017
	24	0.00349	0.00060	0.02411	0.00235	0.03055
	25	0.00347	0.00060	0.02453	0.00242	0.03102
	26	0.00350	0.00060	0.02401	0.00243	0.03054
	27	0.00347	0.00061	0.02443	0.00243	0.03094
	28	0.00348	0.00061	0.02470	0.00240	0.03118
	29	0.00349	0.00061	0.02398	0.00246	0.03054
	30	0.00347	0.00061	0.02433	0.00239	0.03080
	31	0.00348	0.00061	0.02464	0.00245	0.03117
	32	0.00348	0.00060	0.02368	0.00244	0.03020
	33	0.00347	0.00061	0.02424	0.00241	0.03072
	34	0.00348	0.00061	0.02455	0.00246	0.03110
	35	0.00349	0.00059	0.02376	0.00240	0.03024
	36	0.00348	0.00059	0.02420	0.00232	0.03059
	37	0.00346	0.00060	0.02456	0.00237	0.03099
	38	0.00349	0.00059	0.02359	0.00231	0.02998

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	39	0.00348	0.00061	0.02412	0.00235	0.03056
	40	0.00348	0.00060	0.02435	0.00233	0.03077
	41	0.00347	0.00059	0.02347	0.00229	0.02982
	42	0.00346	0.00060	0.02388	0.00231	0.03025
	43	0.00348	0.00060	0.02425	0.00237	0.03069
	44	0.00349	0.00060	0.02329	0.00218	0.02957
	45	0.00350	0.00059	0.02226	0.00204	0.02839
	46	0.00347	0.00060	0.02154	0.00179	0.02740
	47	0.00348	0.00061	0.02388	0.00221	0.03017
	48	0.00346	0.00062	0.02262	0.00207	0.02878
	49	0.00346	0.00059	0.02207	0.00177	0.02790
	50	0.00347	0.00062	0.02419	0.00227	0.03054
	51	0.00348	0.00061	0.02301	0.00209	0.02919
	52	0.00346	0.00060	0.02245	0.00185	0.02836
	53	0.00347	0.00060	0.02316	0.00219	0.02942
	54	0.00349	0.00059	0.02213	0.00202	0.02824
	55	0.00347	0.00060	0.02136	0.00179	0.02722
	56	0.00347	0.00062	0.02370	0.00228	0.03007
	57	0.00350	0.00060	0.02274	0.00200	0.02883
	58	0.00347	0.00059	0.02180	0.00176	0.02761
	59	0.00352	0.00064	0.02423	0.00238	0.03077
	60	0.00347	0.00061	0.02293	0.00207	0.02908
	61	0.00350	0.00061	0.02238	0.00187	0.02836
	62	0.00348	0.00061	0.02273	0.00224	0.02906
	63	0.00346	0.00060	0.02131	0.00197	0.02734
	64	0.00348	0.00059	0.02109	0.00181	0.02696
	65	0.00350	0.00062	0.02342	0.00227	0.02981
	66	0.00353	0.00061	0.02216	0.00208	0.02837
	67	0.00348	0.00059	0.02164	0.00177	0.02749
1	68	0.00349	0.00062	0.02361	0.00224	0.02996
	69	0.00350	0.00060	0.02236	0.00203	0.02848
	70	0.00347	0.00059	0.02196	0.00178	0.02780
	71	0.00346	0.00060	0.02318	0.00220	0.02944
	72	0.00349	0.00061	0.02231	0.00209	0.02850
	73	0.00348	0.00060	0.02160	0.00182	0.02751
	74	0.00348	0.00061	0.02377	0.00222	0.03008
	75	0.00349	0.00060	0.02294	0.00209	0.02912
	76	0.00348	0.00059	0.02226	0.00180	0.02812
	77	0.00347	0.00061	0.02407	0.00221	0.03037
	78	0.00349	0.00063	0.02302	0.00212	0.02925
	79	0.00350	0.00059	0.02260	0.00184	0.02853
	80	0.00348	0.00061	0.02322	0.00227	0.02958
	81	0.00388	0.00065	0.02354	0.00218	0.03025
	82	0.00371	0.00063	0.02203	0.00184	0.02821
	83	0.00349	0.00061	0.02367	0.00220	0.02997
	84	0.00349	0.00060	0.02264	0.00201	0.02874

	85	0.00350	0.00059	0.02206	0.00183	0.02797
	86	0.00348	0.00061	0.02408	0.00224	0.03041
	87	0.00346	0.00060	0.02291	0.00202	0.02898
	88	0.00348	0.00060	0.02219	0.00181	0.02808
	89	0.00348	0.00059	0.02304	0.00216	0.02928
	90	0.00347	0.00059	0.02135	0.00192	0.02734
	91	0.00347	0.00058	0.02099	0.00174	0.02679
	92	0.00347	0.00061	0.02322	0.00219	0.02949
	93	0.00349	0.00061	0.02193	0.00199	0.02803
	94	0.00348	0.00059	0.02092	0.00172	0.02671
	95	0.00348	0.00061	0.02379	0.00221	0.03010
	96	0.00346	0.00061	0.02219	0.00200	0.02826
	97	0.00349	0.00060	0.02194	0.00180	0.02783
	98	0.00347	0.00061	0.02335	0.00223	0.02966
	99	0.00348	0.00058	0.02209	0.00204	0.02819
	100	0.00348	0.00059	0.02150	0.00176	0.02732
	101	0.00347	0.00062	0.02379	0.00229	0.03016
	102	0.00349	0.00059	0.02274	0.00206	0.02888
	103	0.00350	0.00061	0.02229	0.00183	0.02822
	104	0.00348	0.00061	0.02417	0.00231	0.03057
	105	0.00347	0.00059	0.02295	0.00210	0.02912
	106	0.00349	0.00059	0.02251	0.00184	0.02843
	107	0.00347	0.00061	0.02317	0.00223	0.02949
	108	0.00347	0.00058	0.02199	0.00202	0.02806
	109	0.00347	0.00058	0.02143	0.00176	0.02724
	110	0.00347	0.00061	0.02360	0.00224	0.02992
	111	0.00346	0.00059	0.02257	0.00200	0.02863
	112	0.00347	0.00060	0.02207	0.00183	0.02796
	113	0.00349	0.00060	0.02406	0.00230	0.03045
	114	0.00347	0.00060	0.02297	0.00206	0.02910
	115	0.00348	0.00061	0.02245	0.00189	0.02844
	116	0.00350	0.00059	0.02295	0.00217	0.02922
	117	0.00348	0.00059	0.02130	0.00200	0.02738
	118	0.00348	0.00059	0.02038	0.00173	0.02617
	119	0.00348	0.00061	0.02340	0.00219	0.02968
	120	0.00348	0.00060	0.02181	0.00201	0.02789
	121	0.00350	0.00060	0.02162	0.00179	0.02750
1	122	0.00349	0.00061	0.02374	0.00226	0.03009
	123	0.00347	0.00062	0.02223	0.00210	0.02841
	124	0.00348	0.00060	0.02207	0.00181	0.02796
	125	0.00349	0.00049	0.02069	0.00268	0.02734
	126	0.00351	0.00050	0.02044	0.00266	0.02711
	127	0.00350	0.00051	0.02017	0.00264	0.02682
	128	0.00349	0.00050	0.02062	0.00268	0.02728
	129	0.00350	0.00063	0.02682	0.00235	0.03330
	130	0.00350	0.00063	0.02680	0.00230	0.03323

	131	0.00350	0.00063	0.02502	0.00233	0.03148
	132	0.00349	0.00063	0.02494	0.00214	0.03120
	133	0.00351	0.00063	0.02448	0.00201	0.03063
	134	0.00348	0.00062	0.02302	0.00174	0.02885
	135	0.00348	0.00063	0.02481	0.00216	0.03109
	136	0.00351	0.00062	0.02453	0.00198	0.03064
	137	0.00349	0.00061	0.02310	0.00177	0.02898
	138	0.00350	0.00063	0.02459	0.00218	0.03090
	139	0.00350	0.00061	0.02355	0.00196	0.02963
	140	0.00349	0.00062	0.02285	0.00182	0.02878
	141	0.00350	0.00060	0.02489	0.00225	0.03125
	142	0.00349	0.00061	0.02529	0.00234	0.03173
	143	0.00350	0.00062	0.02569	0.00237	0.03218
	144	0.00351	0.00060	0.02472	0.00227	0.03109
	145	0.00350	0.00059	0.02505	0.00234	0.03148
	146	0.00350	0.00061	0.02537	0.00238	0.03187
	147	0.00350	0.00060	0.02471	0.00230	0.03111
	148	0.00350	0.00062	0.02499	0.00239	0.03151
1	149	0.00351	0.00061	0.02535	0.00241	0.03189
	150	0.00349	0.00060	0.02496	0.00228	0.03133
	151	0.00351	0.00062	0.02531	0.00238	0.03182
	152	0.00352	0.00063	0.02563	0.00238	0.03216
	153	0.00349	0.00060	0.02465	0.00228	0.03102
	154	0.00349	0.00060	0.02500	0.00233	0.03142
	155	0.00350	0.00060	0.02533	0.00235	0.03179
	156	0.00349	0.00060	0.02456	0.00229	0.03095
	157	0.00351	0.00059	0.02501	0.00236	0.03147
	158	0.00350	0.00060	0.02531	0.00238	0.03179
	159	0.00350	0.00059	0.02348	0.00223	0.02980
	160	0.00352	0.00060	0.02399	0.00232	0.03043
	161	0.00351	0.00062	0.02407	0.00232	0.03051
	162	0.00350	0.00059	0.02329	0.00222	0.02961
	163	0.00349	0.00061	0.02358	0.00231	0.02999
	164	0.00349	0.00061	0.02393	0.00239	0.03042
	165	0.00348	0.00061	0.02312	0.00227	0.02948
	166	0.00349	0.00060	0.02337	0.00228	0.02974
	167	0.00349	0.00060	0.02371	0.00229	0.03008
	168	0.00349	0.00061	0.02318	0.00216	0.02944
	169	0.00350	0.00060	0.02231	0.00190	0.02831
	170	0.00350	0.00059	0.02137	0.00169	0.02714
	171	0.00352	0.00062	0.02414	0.00216	0.03044
	172	0.00349	0.00061	0.02293	0.00196	0.02898
	173	0.00348	0.00060	0.02188	0.00168	0.02765
	174	0.00351	0.00062	0.02420	0.00223	0.03056
	175	0.00349	0.00060	0.02341	0.00199	0.02949
1	176	0.00349	0.00061	0.02229	0.00174	0.02812

	177	0.00351	0.00060	0.02296	0.00219	0.02926
	178	0.00351	0.00060	0.02220	0.00198	0.02829
	179	0.00350	0.00060	0.02077	0.00170	0.02656
	180	0.00350	0.00061	0.02359	0.00217	0.02987
	181	0.00353	0.00061	0.02280	0.00200	0.02893
	182	0.00351	0.00060	0.02138	0.00168	0.02717
	183	0.00349	0.00063	0.02389	0.00220	0.03021
	184	0.00351	0.00061	0.02314	0.00199	0.02925
	185	0.00348	0.00060	0.02168	0.00167	0.02744
	186	0.00350	0.00061	0.02239	0.00217	0.02867
	187	0.00351	0.00059	0.02208	0.00195	0.02813
	188	0.00348	0.00059	0.02009	0.00154	0.02571
	189	0.00349	0.00061	0.02299	0.00209	0.02918
	190	0.00350	0.00061	0.02259	0.00192	0.02862
	191	0.00350	0.00060	0.02079	0.00160	0.02649
	192	0.00349	0.00062	0.02337	0.00218	0.02966
	193	0.00350	0.00060	0.02294	0.00193	0.02898
	194	0.00350	0.00060	0.02117	0.00162	0.02688
	195	0.00349	0.00061	0.02313	0.00215	0.02937
	196	0.00353	0.00060	0.02255	0.00198	0.02866
	197	0.00349	0.00060	0.02132	0.00168	0.02709
	198	0.00352	0.00061	0.02370	0.00219	0.03002
	199	0.00348	0.00061	0.02293	0.00192	0.02894
	200	0.00349	0.00060	0.02180	0.00172	0.02761
	201	0.00350	0.00061	0.02418	0.00217	0.03045
	202	0.00348	0.00061	0.02331	0.00192	0.02932
1	203	0.00348	0.00060	0.02215	0.00166	0.02789
	204	0.00348	0.00062	0.02282	0.00219	0.02911
	205	0.00348	0.00060	0.02208	0.00194	0.02810
	206	0.00350	0.00059	0.02071	0.00165	0.02646
	207	0.00350	0.00060	0.02349	0.00216	0.02975
	208	0.00350	0.00061	0.02261	0.00195	0.02867
	209	0.00349	0.00061	0.02136	0.00172	0.02718
	210	0.00349	0.00062	0.02387	0.00217	0.03015
	211	0.00350	0.00061	0.02315	0.00200	0.02925
	212	0.00347	0.00061	0.02161	0.00167	0.02737
	213	0.00350	0.00060	0.02246	0.00213	0.02870
	214	0.00348	0.00060	0.02199	0.00197	0.02805
	215	0.00348	0.00059	0.02007	0.00153	0.02566
	216	0.00351	0.00061	0.02315	0.00221	0.02948
	217	0.00352	0.00060	0.02271	0.00192	0.02875
	218	0.00350	0.00058	0.02116	0.00165	0.02690
	219	0.00348	0.00061	0.02339	0.00214	0.02961
	220	0.00349	0.00061	0.02295	0.00193	0.02897
	221	0.00348	0.00061	0.02117	0.00160	0.02687
	222	0.00348	0.00061	0.02297	0.00219	0.02925

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	223	0.00350	0.00059	0.02192	0.00194	0.02795
	224	0.00347	0.00059	0.02136	0.00169	0.02711
	225	0.00349	0.00061	0.02366	0.00218	0.02994
	226	0.00350	0.00060	0.02243	0.00196	0.02850
	227	0.00349	0.00061	0.02207	0.00182	0.02800
	228	0.00349	0.00061	0.02395	0.00217	0.03022
	229	0.00350	0.00060	0.02281	0.00197	0.02888
	230	0.00349	0.00060	0.02232	0.00172	0.02812
	231	0.00350	0.00060	0.02282	0.00216	0.02908
	232	0.00348	0.00060	0.02154	0.00192	0.02754
	233	0.00349	0.00060	0.02077	0.00174	0.02661
	234	0.00348	0.00060	0.02331	0.00216	0.02956
	235	0.00350	0.00060	0.02210	0.00194	0.02814
	236	0.00348	0.00060	0.02127	0.00172	0.02707
	237	0.00348	0.00060	0.02371	0.00216	0.02995
	238	0.00349	0.00060	0.02254	0.00192	0.02855
	239	0.00348	0.00060	0.02164	0.00172	0.02745
	240	0.00351	0.00059	0.02239	0.00215	0.02864
	241	0.00348	0.00059	0.02138	0.00194	0.02738
	242	0.00348	0.00059	0.02013	0.00158	0.02579
	243	0.00350	0.00060	0.02293	0.00214	0.02918
	244	0.00349	0.00060	0.02209	0.00197	0.02814
	245	0.00350	0.00059	0.02121	0.00165	0.02695
1	246	0.00349	0.00062	0.02329	0.00219	0.02959
	247	0.00348	0.00060	0.02227	0.00193	0.02827
	248	0.00350	0.00062	0.02117	0.00167	0.02696

Tabla I.7: Tiempos promedio de procesamiento por frame en el filtro de detección de blobs.

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00462	0.00088	0.03677	0.00398	0.04783
	peor	0.01739	0.00235	0.06877	0.01254	0.08253
	1	0.00766	0.00225	0.05248	0.01254	0.07493
	2	0.00499	0.00115	0.04036	0.00607	0.05256
	3	0.01739	0.00098	0.04236	0.00835	0.06908
	4	0.00580	0.00104	0.04157	0.00857	0.05699
	5	0.00532	0.00110	0.06526	0.00755	0.07922
	6	0.00567	0.00114	0.05211	0.00776	0.06667
	7	0.00580	0.00112	0.04824	0.00625	0.06141
	8	0.00569	0.00136	0.06877	0.00670	0.08253
	9	0.00504	0.00103	0.06758	0.00533	0.07898
	10	0.00499	0.00102	0.05925	0.00562	0.07087
	11	0.00579	0.00102	0.05224	0.00734	0.06639

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	12	0.00506	0.00108	0.05106	0.00563	0.06283
	13	0.00564	0.00128	0.05136	0.00583	0.06412
	14	0.00569	0.00117	0.04806	0.00763	0.06255
	15	0.00585	0.00122	0.04679	0.00505	0.05891
	16	0.00589	0.00110	0.04243	0.00543	0.05486
	17	0.00525	0.00113	0.04409	0.00761	0.05808
	18	0.00576	0.00120	0.04325	0.00757	0.05778
	19	0.00562	0.00102	0.04475	0.00779	0.05919
	20	0.00565	0.00109	0.04331	0.00757	0.05762
	21	0.00528	0.00119	0.04344	0.00777	0.05767
	22	0.00634	0.00118	0.04341	0.00785	0.05877
	23	0.00559	0.00118	0.04214	0.00780	0.05670
	24	0.00572	0.00107	0.04205	0.00759	0.05642
	25	0.00487	0.00119	0.04598	0.00853	0.06057
	26	0.00562	0.00156	0.04627	0.00773	0.06118
	27	0.00473	0.00108	0.04794	0.00837	0.06211
	28	0.00542	0.00105	0.04392	0.00770	0.05810
	29	0.00658	0.00115	0.04436	0.00786	0.05996
	30	0.00648	0.00112	0.04222	0.00789	0.05771
	31	0.00486	0.00105	0.04303	0.00782	0.05676
	32	0.00523	0.00107	0.04277	0.00781	0.05689
	33	0.00485	0.00102	0.04452	0.00782	0.05820
	34	0.00543	0.00113	0.04716	0.00789	0.06160
	35	0.00514	0.00137	0.04303	0.00617	0.05571
	36	0.00485	0.00106	0.04386	0.00584	0.05561
	37	0.00539	0.00103	0.04265	0.00599	0.05506
	38	0.00566	0.00100	0.04294	0.00592	0.05553
	39	0.00534	0.00115	0.04197	0.00597	0.05443
	40	0.00545	0.00108	0.04334	0.00587	0.05574
1	41	0.00519	0.00113	0.04155	0.00617	0.05404
	42	0.00513	0.00102	0.04423	0.00625	0.05663
	43	0.00573	0.00103	0.04620	0.00606	0.05901
	44	0.00580	0.00096	0.04350	0.00725	0.05751
	45	0.00564	0.00115	0.04187	0.00562	0.05427
	46	0.00571	0.00125	0.03775	0.00575	0.05045
	47	0.00547	0.00106	0.04587	0.00605	0.05845
	48	0.00530	0.00107	0.03964	0.00595	0.05197
	49	0.00490	0.00092	0.03811	0.00533	0.04927
	50	0.00557	0.00109	0.04339	0.00737	0.05742
	51	0.00538	0.00096	0.03944	0.00611	0.05189
	52	0.00577	0.00110	0.03779	0.00544	0.05010
	53	0.00470	0.00099	0.04125	0.00625	0.05319
	54	0.00553	0.00119	0.05035	0.00585	0.06293
	55	0.00535	0.00109	0.03819	0.00514	0.04977
	56	0.00562	0.00122	0.04092	0.00644	0.05421

	57	0.00575	0.00113	0.04253	0.00579	0.05521
	58	0.00561	0.00102	0.03816	0.00489	0.04968
	59	0.00532	0.00101	0.04219	0.00619	0.05471
	60	0.00508	0.00105	0.03938	0.00577	0.05129
	61	0.00525	0.00101	0.04307	0.00511	0.05444
	62	0.00575	0.00114	0.03992	0.00679	0.05360
	63	0.00555	0.00123	0.03863	0.00584	0.05126
	64	0.00530	0.00102	0.03732	0.00526	0.04890
	65	0.00576	0.00114	0.04355	0.00634	0.05679
	66	0.01592	0.00114	0.04186	0.00611	0.06502
	67	0.00642	0.00103	0.03823	0.00519	0.05087
	68	0.00561	0.00104	0.04007	0.00608	0.05279
	69	0.00572	0.00113	0.04151	0.00583	0.05419
	70	0.00518	0.00089	0.04021	0.00473	0.05101
	71	0.00546	0.00094	0.04339	0.00705	0.05685
	72	0.00520	0.00106	0.04070	0.00585	0.05280
	73	0.00558	0.00116	0.04139	0.00567	0.05381
	74	0.00573	0.00135	0.04260	0.00684	0.05652
	75	0.00561	0.00111	0.04007	0.00663	0.05341
	76	0.00490	0.00099	0.04000	0.00519	0.05108
	77	0.00552	0.00107	0.04758	0.00592	0.06009
	78	0.00619	0.00111	0.04084	0.00601	0.05415
	79	0.00556	0.00124	0.03792	0.00552	0.05023
	80	0.00516	0.00122	0.04284	0.00674	0.05596
	81	0.00724	0.00235	0.04508	0.00782	0.06249
	82	0.00559	0.00231	0.04171	0.00548	0.05508
	83	0.00567	0.00110	0.04103	0.00635	0.05414
	84	0.00534	0.00098	0.03973	0.00577	0.05183
	85	0.00522	0.00107	0.03953	0.00500	0.05083
	86	0.00555	0.00113	0.04366	0.00612	0.05646
	87	0.00518	0.00102	0.04092	0.00578	0.05291
	88	0.00585	0.00113	0.03701	0.00496	0.04895
	89	0.00497	0.00108	0.04027	0.00652	0.05285
	90	0.00643	0.00108	0.04031	0.00568	0.05348
	91	0.00513	0.00112	0.03924	0.00579	0.05128
	92	0.00549	0.00096	0.04075	0.00610	0.05329
	93	0.00658	0.00110	0.03918	0.00610	0.05296
	94	0.00557	0.00093	0.03748	0.00507	0.04905
1	95	0.00578	0.00110	0.04271	0.00669	0.05628
	96	0.00542	0.00115	0.04008	0.00574	0.05239
	97	0.00682	0.00107	0.03913	0.00487	0.05189
	98	0.00545	0.00122	0.04872	0.00770	0.06310
	99	0.00550	0.00108	0.04127	0.00586	0.05370
	100	0.00574	0.00099	0.03677	0.00433	0.04783
	101	0.00576	0.00132	0.04272	0.00656	0.05637
	102	0.00504	0.00100	0.04084	0.00593	0.05282

	103	0.00576	0.00102	0.03889	0.00442	0.05010
	104	0.00557	0.00117	0.04267	0.00651	0.05591
	105	0.00583	0.00135	0.04072	0.00584	0.05374
	106	0.00557	0.00095	0.04328	0.00476	0.05457
	107	0.00626	0.00109	0.04198	0.00702	0.05634
	108	0.00568	0.00112	0.04259	0.00590	0.05529
	109	0.00499	0.00110	0.03850	0.00459	0.04918
	110	0.00578	0.00114	0.04277	0.00665	0.05633
	111	0.00551	0.00099	0.03962	0.00583	0.05195
	112	0.00590	0.00114	0.03901	0.00448	0.05053
	113	0.00553	0.00098	0.04382	0.00672	0.05706
	114	0.00600	0.00101	0.04313	0.00574	0.05588
	115	0.00518	0.00099	0.03943	0.00465	0.05025
	116	0.00569	0.00107	0.04012	0.00672	0.05360
	117	0.00574	0.00094	0.04104	0.00628	0.05400
	118	0.00583	0.00100	0.04292	0.00437	0.05412
	119	0.00584	0.00110	0.04068	0.00644	0.05406
	120	0.00506	0.00105	0.03833	0.00700	0.05145
	121	0.00580	0.00117	0.03826	0.00453	0.04975
1	122	0.00538	0.00111	0.04177	0.00664	0.05489
	123	0.00567	0.00118	0.03874	0.00680	0.05238
	124	0.00530	0.00102	0.03809	0.00448	0.04889
	125	0.00568	0.00098	0.05068	0.00635	0.06369
	126	0.00653	0.00096	0.04065	0.00754	0.05568
	127	0.00569	0.00091	0.03991	0.01147	0.05797
	128	0.00522	0.00093	0.04135	0.00940	0.05690
	129	0.00552	0.00096	0.04954	0.01054	0.06656
	130	0.00526	0.00111	0.04958	0.00789	0.06384
	131	0.00523	0.00106	0.04676	0.00672	0.05977
	132	0.00569	0.00107	0.04708	0.00826	0.06210
	133	0.00541	0.00110	0.04590	0.00541	0.05782
	134	0.00462	0.00120	0.04691	0.00438	0.05711
	135	0.00494	0.00124	0.04520	0.00824	0.05962
	136	0.00663	0.00105	0.04378	0.00525	0.05671
	137	0.00520	0.00097	0.04547	0.00476	0.05641
	138	0.00477	0.00115	0.04258	0.00816	0.05665
	139	0.00565	0.00105	0.04647	0.00478	0.05796
	140	0.00510	0.00100	0.04067	0.00459	0.05135
	141	0.00546	0.00108	0.04707	0.00805	0.06166
	142	0.00554	0.00111	0.04757	0.00791	0.06213
	143	0.00563	0.00115	0.04681	0.00807	0.06166
	144	0.00580	0.00108	0.04723	0.00787	0.06198
	145	0.00544	0.00100	0.04220	0.00784	0.05647
	146	0.00606	0.00099	0.04138	0.00805	0.05649
	147	0.00587	0.00108	0.04361	0.00790	0.05846
	148	0.00572	0.00099	0.04262	0.00812	0.05746
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149	0.00579	0.00109	0.04485	0.00806	0.05977
150	0.00520	0.00123	0.05146	0.00785	0.06574
151	0.00579	0.00113	0.04607	0.00804	0.06102
152	0.00631	0.00113	0.05198	0.00814	0.06756
153	0.00587	0.00111	0.04150	0.00803	0.05652
154	0.00557	0.00108	0.04417	0.00797	0.05879
155	0.00565	0.00111	0.04293	0.00791	0.05761
156	0.00514	0.00103	0.04293	0.00800	0.05709
157	0.00552	0.00088	0.04124	0.00797	0.05562
158	0.00585	0.00097	0.04107	0.00789	0.05579
159	0.00553	0.00088	0.04722	0.00613	0.05976
160	0.00651	0.00095	0.04765	0.00637	0.06148
161	0.00584	0.00118	0.04919	0.00634	0.06255
162	0.00538	0.00112	0.04608	0.00631	0.05890
163	0.00512	0.00110	0.04031	0.00657	0.05310
164	0.00536	0.00136	0.04078	0.00656	0.05407
165	0.00486	0.00108	0.04619	0.00641	0.05854
166	0.00657	0.00103	0.04193	0.00649	0.05603
167	0.00480	0.00097	0.04047	0.00641	0.05266
168	0.00551	0.00117	0.04262	0.00786	0.05715
169	0.00571	0.00109	0.04166	0.00527	0.05372
170	0.00597	0.00105	0.04099	0.00399	0.05200
171	0.00552	0.00112	0.04971	0.00832	0.06468
172	0.00513	0.00104	0.04183	0.00517	0.05317
173	0.00592	0.00097	0.03848	0.00411	0.04949
174	0.00523	0.00097	0.04279	0.00840	0.05739
175	0.00507	0.00095	0.04162	0.00519	0.05283
176	0.00494	0.00105	0.04007	0.00415	0.05021
177	0.00517	0.00099	0.04063	0.00709	0.05388
178	0.00582	0.00103	0.03838	0.00500	0.05023
179	0.00561	0.00100	0.03761	0.00411	0.04833
180	0.00519	0.00099	0.05023	0.00716	0.06356
181	0.00629	0.00114	0.03864	0.00517	0.05124
182	0.00507	0.00099	0.03840	0.00418	0.04865
183	0.00573	0.00118	0.04280	0.00684	0.05655
184	0.00585	0.00116	0.03831	0.00506	0.05037
185	0.00529	0.00095	0.03833	0.00405	0.04862
186	0.00561	0.00133	0.04045	0.00688	0.05427
187	0.00565	0.00115	0.03792	0.00519	0.04992
188	0.00515	0.00091	0.03771	0.00582	0.04959
189	0.00636	0.00107	0.04123	0.00690	0.05556
190	0.01124	0.00110	0.04155	0.00512	0.05900
191	0.00516	0.00105	0.03954	0.00568	0.05142
192	0.00569	0.00115	0.04044	0.00727	0.05453
193	0.00593	0.00103	0.03873	0.00502	0.05072
194	0.00555	0.00097	0.03772	0.00572	0.04996

	195	0.00561	0.00118	0.04380	0.00814	0.05872
	196	0.00596	0.00113	0.04173	0.00519	0.05402
	197	0.00595	0.00105	0.03944	0.00413	0.05057
	198	0.00580	0.00105	0.04458	0.00844	0.05986
	199	0.00539	0.00104	0.04104	0.00536	0.05282
	200	0.00570	0.00102	0.03770	0.00417	0.04859
	201	0.00576	0.00132	0.04426	0.00805	0.05938
	202	0.00510	0.00110	0.04111	0.00585	0.05316
	203	0.00556	0.00107	0.04027	0.00408	0.05098
	204	0.00601	0.00121	0.04037	0.00706	0.05466
	205	0.00580	0.00112	0.04109	0.00534	0.05336
	206	0.00568	0.00109	0.03819	0.00398	0.04895
	207	0.00592	0.00110	0.04073	0.00721	0.05496
	208	0.00601	0.00110	0.04073	0.00523	0.05307
	209	0.00511	0.00109	0.04030	0.00463	0.05113
	210	0.00555	0.00116	0.04286	0.00749	0.05706
	211	0.00543	0.00103	0.04064	0.00521	0.05231
	212	0.00579	0.00115	0.03817	0.00406	0.04916
	213	0.00586	0.00105	0.04002	0.00538	0.05231
	214	0.00567	0.00107	0.04075	0.00515	0.05263
	215	0.00549	0.00099	0.03882	0.00562	0.05091
	216	0.00635	0.00108	0.04096	0.00577	0.05416
	217	0.00583	0.00108	0.04269	0.00514	0.05475
	218	0.00480	0.00089	0.03825	0.00445	0.04839
	219	0.00585	0.00122	0.04202	0.00561	0.05471
	220	0.00530	0.00105	0.03754	0.00511	0.04899
	221	0.00464	0.00120	0.03788	0.00573	0.04945
	222	0.00531	0.00101	0.04421	0.00702	0.05755
	223	0.00629	0.00099	0.04075	0.00500	0.05303
	224	0.00500	0.00105	0.03884	0.00415	0.04904
	225	0.00569	0.00103	0.04275	0.00663	0.05609
	226	0.00645	0.00107	0.04172	0.00539	0.05464
	227	0.00498	0.00102	0.03854	0.00456	0.04909
	228	0.00526	0.00117	0.04414	0.00721	0.05778
	229	0.00551	0.00093	0.04391	0.00518	0.05553
1	230	0.00507	0.00100	0.04082	0.00413	0.05102
	231	0.00589	0.00116	0.04200	0.00682	0.05586
	232	0.00526	0.00114	0.03878	0.00611	0.05128
	233	0.00583	0.00118	0.03738	0.00419	0.04857
	234	0.00517	0.00088	0.04010	0.00615	0.05229
	235	0.00593	0.00101	0.04311	0.00671	0.05676
	236	0.00595	0.00099	0.03799	0.00425	0.04918
	237	0.00529	0.00106	0.04757	0.00733	0.06125
	238	0.00567	0.00104	0.04034	0.00601	0.05306
	239	0.00491	0.00096	0.03840	0.00427	0.04854
	240	0.00582	0.00100	0.03993	0.00718	0.05392

	241	0.00485	0.00102	0.03841	0.00640	0.05067
	242	0.00583	0.00099	0.03954	0.00548	0.05183
	243	0.00593	0.00117	0.03875	0.00691	0.05277
	244	0.00534	0.00107	0.03992	0.00608	0.05241
	245	0.00644	0.00103	0.04402	0.00435	0.05584
1	246	0.00598	0.00116	0.04011	0.00746	0.05472
	247	0.00583	0.00102	0.03865	0.00586	0.05136
	248	0.00640	0.00102	0.03778	0.00591	0.05111

Tabla I.8: Tiempos máximos de procesamiento por frame en el filtro de detección de blobs.

I.8. Resultados para el filtro de blobs

A continuación se presentan los resultados de cada métrica para los experimentos de los cinco bloques del filtro de blobs. Las distintas celdas de las tablas tienen tonos de grises que indican qué tan bueno o malo es el valor de la métrica comparado con el valor de la misma métrica en el resto de los experimentos del mismo bloque. Cuanto más blanco es el color, mejor es el valor.

I.8.1. Según las métricas del MOT Challenge

Bloque	Conf	Rcll	Prcn	FAR	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	MOTAL
	mejor	77.0	74.0	1.42	N/A	10	11	0	1128	981	29	194	47.9	64.3	48.9
	peor	75.3	69.9	1.74	N/A	8	9	0	1383	1053	46	223	42.1	64.0	43.0
1	1	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	2	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	3	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	4	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	5	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	6	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	7	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	8	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	9	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	10	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	11	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	12	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	13	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	14	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	15	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	16	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	17	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	18	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	19	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	20	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	21	76.9	72.7	1.55	19	8	11	0	1232	985	29	195	47.3	64.1	47.9
	22	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	23	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	24	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8
	25	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	26	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2
	27	76.9	72.8	1.54	19	10	9	0	1224	982	31	194	47.5	64.1	48.2

28	75.3	73.9	1.42	19	9	10	0	1131	1053	46	203	47.6	64.0	48.7
29	75.4	74.0	1.42	19	9	10	0	1128	1048	45	201	47.9	64.1	48.9
30	75.3	73.9	1.42	19	9	10	0	1131	1053	46	203	47.6	64.0	48.7
31	77.0	73.1	1.52	19	9	10	0	1208	981	36	205	47.8	64.0	48.6
32	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
33	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
34	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
35	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
36	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
37	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
38	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
39	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
40	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
41	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
42	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
43	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
44	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
45	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
46	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
47	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
48	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
49	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
50	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
51	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
52	76.3	71.5	1.63	19	10	9	0	1293	1011	29	216	45.2	64.3	45.9
53	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
54	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
55	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
56	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3

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57	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3		
58	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3		
59	75.6	72.0	1.57	19	9	10	0	1249	1040	34	212	45.5	64.3	46.2		
60	75.6	72.0	1.57	19	9	10	0	1249	1040	34	212	45.5	64.3	46.2		
61	75.6	72.0	1.57	19	9	10	0	1249	1040	34	212	45.5	64.3	46.2		
62	75.5	69.9	1.74	19	9	10	0	1383	1043	41	223	42.1	64.3	43.0		
mejor	79.7	73.9	0.44	N/A	10	18	0	348	866	29	77	48.9	64.5	49.8		
peor	4.0	32.0	2.42	N/A	0	0	19	1923	4089	144	326	-9.3	59.9	-8.1		
1	70.7	62.4	2.28	19	7	11	1	1816	1247	54	293	26.8	64.3	28.0		
2	76.9	67.5	1.98	19	10	9	0	1577	983	40	243	39.0	64.3	39.9		
3	76.8	67.6	1.97	19	10	9	0	1564	989	35	235	39.2	64.3	40.0		
4	78.2	68.8	1.90	19	10	9	0	1514	928	35	230	41.8	64.2	42.6		
5	77.8	69.8	1.81	19	9	10	0	1435	947	42	210	43.1	64.2	44.0		
6	75.4	73.5	1.46	19	8	11	0	1160	1047	33	204	47.4	64.0	48.1		
7	70.3	63.0	2.21	19	5	14	0	1755	1267	49	283	27.9	62.8	29.0		
8	69.1	64.2	2.07	19	7	12	0	1642	1314	67	272	29.0	62.9	30.6		
9	7.2	32.0	0.82	19	0	1	18	651	3952	52	95	-9.3	59.9	-8.1		
10	70.4	64.1	2.11	19	6	12	1	1680	1259	51	300	29.8	64.5	31.0		
11	76.6	67.7	1.96	19	9	10	0	1557	998	39	238	39.1	64.4	40.0		
12	76.8	66.8	2.05	19	9	10	0	1627	990	40	237	37.6	64.3	38.5		
13	77.6	69.5	1.82	19	10	9	0	1447	954	38	228	42.7	64.2	43.6		
14	78.2	71.4	1.68	19	10	9	0	1333	930	37	203	46.0	64.2	46.8		
15	75.3	73.9	1.42	19	9	10	0	1131	1053	46	203	47.6	64.0	48.7		
16	70.1	63.9	2.13	19	5	14	0	1690	1272	51	283	29.3	62.8	30.4		
17	71.5	66.1	1.97	19	7	12	0	1564	1212	40	259	33.9	63.0	34.8		
18	6.6	33.9	0.68	19	0	0	19	543	3980	43	90	-7.2	61.4	-6.2		
19	71.0	64.4	2.10	19	6	12	1	1669	1237	48	289	30.6	64.5	31.7		
20	76.9	67.0	2.03	19	10	9	0	1615	982	37	240	38.2	64.4	39.0		
21	76.9	69.0	1.86	19	10	9	0	1475	983	44	233	41.3	64.4	42.2		
22	77.3	68.6	1.90	19	9	10	0	1508	968	42	229	40.9	64.3	41.8		

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23	77.5	72.2	1.60	19	9	10	0	1272	959	40	206	46.7	64.2	47.6	
24	72.9	73.8	1.39	19	7	12	0	1104	1156	61	219	45.5	64.1	46.9	
25	68.7	63.9	2.08	19	5	14	0	1656	1334	55	280	28.5	62.9	29.8	
26	67.7	64.4	2.00	19	5	14	0	1591	1377	61	279	28.9	63.3	30.3	
27	4.0	32.8	0.44	19	0	0	19	348	4089	40	77	-5.1	62.3	-4.2	
28	70.8	63.1	2.22	19	4	14	1	1763	1243	52	318	28.2	64.4	29.4	
29	76.7	66.6	2.06	19	8	11	0	1640	992	40	245	37.3	64.4	38.2	
30	78.0	68.6	1.91	19	9	10	0	1518	939	34	235	41.5	64.5	42.3	
31	77.5	67.6	1.99	19	9	10	0	1584	959	40	230	39.4	64.3	40.3	
32	79.3	70.4	1.78	19	9	10	0	1418	883	42	201	45.0	64.3	45.9	
33	76.3	71.8	1.61	19	9	10	0	1279	1010	29	204	45.6	64.1	46.2	
34	70.6	63.2	2.20	19	5	14	0	1751	1251	41	280	28.6	63.0	29.5	
35	70.7	66.1	1.94	19	7	12	0	1545	1249	60	259	33.0	63.2	34.4	
36	48.5	54.0	2.22	19	0	15	4	1762	2193	101	235	4.8	63.8	7.1	
37	71.9	64.4	2.13	19	5	14	0	1692	1195	53	326	31.0	64.3	32.2	
38	77.0	67.7	1.96	19	8	11	0	1561	980	38	241	39.4	64.4	40.3	
39	77.9	69.5	1.83	19	9	10	0	1458	943	33	234	42.9	64.5	43.6	
40	77.9	69.4	1.84	19	9	10	0	1464	942	42	231	42.5	64.3	43.5	
41	79.3	72.0	1.65	19	8	11	0	1315	880	40	201	47.5	64.3	48.4	
42	76.8	72.6	1.55	19	9	10	0	1235	988	29	197	47.1	64.1	47.8	
43	70.6	64.3	2.10	19	5	14	0	1671	1254	48	282	30.2	63.1	31.3	
44	71.3	67.1	1.87	19	8	11	0	1490	1222	53	257	35.1	63.3	36.3	
45	46.2	52.5	2.24	19	0	14	5	1782	2291	73	192	2.7	63.5	4.3	
46	70.6	64.3	2.10	19	5	13	1	1666	1253	51	306	30.3	64.4	31.4	
47	76.9	66.5	2.08	19	8	10	1	1650	983	34	232	37.4	64.4	38.1	
48	78.2	69.4	1.85	19	9	10	0	1469	930	36	237	42.8	64.5	43.6	
49	78.2	69.6	1.83	19	8	11	0	1458	927	42	226	43.0	64.4	44.0	
50	79.3	72.9	1.58	19	8	11	0	1256	881	40	205	48.9	64.3	49.8	
51	74.0	73.0	1.47	19	8	11	0	1167	1108	58	223	45.2	64.2	46.5	

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52	69.9	64.1	2.09	19	5	14	0	1665	1281	49	280	29.7	63.1	30.8
53	70.8	66.6	1.90	19	5	14	0	1511	1245	54	261	34.0	63.4	35.2
54	33.0	52.6	1.59	19	0	10	9	1268	2854	129	267	0.2	63.9	3.2
55	75.7	64.3	2.26	19	8	11	0	1793	1036	65	261	32.0	64.5	33.5
56	76.1	65.1	2.19	19	10	9	0	1740	1017	45	246	34.2	64.4	35.2
57	77.7	68.3	1.94	19	9	10	0	1539	948	57	256	40.3	64.3	41.6
58	78.4	67.7	2.01	19	9	10	0	1594	920	44	248	39.9	64.1	40.9
59	77.7	69.9	1.79	19	9	10	0	1423	950	44	236	43.2	64.1	44.2
60	74.7	69.1	1.79	19	8	11	0	1425	1079	38	222	40.3	64.3	41.2
61	65.6	59.2	2.42	19	1	18	0	1923	1464	49	312	19.3	63.4	20.4
62	66.9	63.4	2.07	19	5	14	0	1646	1411	61	291	26.8	63.6	28.2
63	40.1	47.4	2.38	19	0	16	3	1892	2551	132	272	-7.4	64.5	-4.4
64	74.7	64.3	2.23	19	7	12	0	1771	1076	53	271	31.9	64.5	33.1
65	77.3	68.2	1.94	19	10	9	0	1539	965	44	246	40.2	64.4	41.2
66	78.1	70.4	1.76	19	9	10	0	1399	934	42	254	44.2	64.4	45.2
67	79.4	70.5	1.78	19	10	9	0	1416	877	30	240	45.5	64.2	46.1
68	78.9	72.3	1.62	19	10	9	0	1289	900	40	238	47.7	64.1	48.6
69	76.4	71.7	1.62	19	10	9	0	1284	1003	29	214	45.6	64.3	46.3
70	66.6	61.3	2.25	19	1	18	0	1791	1421	49	311	23.4	63.4	24.5
71	67.9	65.1	1.95	19	5	14	0	1550	1366	43	282	30.5	63.6	31.5
72	50.1	57.6	1.98	19	0	16	3	1573	2125	67	217	11.6	64.3	13.1
73	75.0	65.2	2.14	19	7	12	0	1705	1065	54	265	33.7	64.5	34.9
74	77.6	68.7	1.89	19	10	9	0	1506	956	42	248	41.2	64.4	42.2
75	78.3	70.8	1.73	19	9	10	0	1374	926	41	252	45.0	64.4	46.0
76	79.7	70.9	1.75	19	10	9	0	1391	866	32	247	46.3	64.2	47.0
77	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
78	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
79	67.4	61.8	2.23	19	1	18	0	1772	1389	46	310	24.7	63.4	25.7
80	67.9	66.3	1.85	19	5	14	0	1472	1368	50	281	32.1	63.6	33.3
81	37.5	52.6	1.81	19	0	15	4	1436	2663	144	297	0.4	64.1	3.7

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	mejor	79.0	72.9	1.49	N/A	10	11	0	1187	894	39	212	48.3	64.4	49.2
	peor	75.0	72.1	1.63	N/A	8	9	0	1292	1063	43	238	46.2	64.0	47.1
3	1	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
	2	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
	3	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
	4	78.3	72.1	1.63	19	9	10	0	1292	924	43	237	47.0	64.1	47.9
	5	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
	6	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
	7	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
	8	75.0	72.9	1.49	19	8	11	0	1187	1063	42	212	46.2	64.4	47.1
	mejor	79.0	72.7	1.53	N/A	10	17	0	1219	894	34	213	48.3	64.9	49.2
	peor	64.3	63.3	2.12	N/A	2	9	1	1684	1522	68	274	27.6	62.7	28.7
4	1	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
	2	74.0	67.9	1.88	19	6	13	0	1491	1106	34	274	38.2	64.9	39.0
	3	68.3	63.3	2.12	19	3	16	0	1684	1349	50	263	27.6	62.7	28.7
	4	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
	5	71.0	68.2	1.77	19	6	12	1	1410	1236	46	264	36.8	64.8	37.8
	6	64.3	65.2	1.84	19	2	17	0	1463	1522	68	255	28.3	63.0	29.9
	mejor	79.0	72.7	1.53	N/A	10	9	0	1219	894	39	213	48.4	64.3	49.3
	peor	76.1	72.7	1.59	N/A	10	9	0	1266	1017	40	238	46.6	64.0	47.5
5	1	79.0	72.7	1.59	19	10	9	0	1265	894	40	238	48.4	64.0	49.3
	2	79.0	72.7	1.59	19	10	9	0	1266	894	40	238	48.3	64.0	49.2
	3	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5
	4	76.1	72.7	1.53	19	10	9	0	1219	1017	39	213	46.6	64.3	47.5

Tabla I.9: Resultados del MOT Challenge en el filtro de Blobs.

I.8.2. Según las métricas de diferencia en el conteo de personas

Bloque	Conf	Nro. de Personas vs GT			Nro. de Tracklets vs GT			Nro. interpolado vs GT		
		Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima
	mejor	0.99	0	4	0.41	0	3	0.40	0	3
	peor	1.34	0	7	0.55	0	4	0.57	0	4
1	1	1.04	0	4	0.53	0	3	0.53	0	3
	2	1.04	0	4	0.53	0	3	0.53	0	3
	3	1.04	0	4	0.53	0	3	0.53	0	3
	4	1.04	0	4	0.51	0	4	0.52	0	4
	5	1.04	0	4	0.53	0	3	0.53	0	3
	6	1.04	0	4	0.53	0	3	0.53	0	3
	7	1.04	0	4	0.51	0	4	0.52	0	4
	8	1.04	0	4	0.51	0	4	0.52	0	4
	9	1.04	0	4	0.51	0	4	0.52	0	4
	10	1.04	0	4	0.53	0	3	0.53	0	3
	11	1.04	0	4	0.53	0	3	0.53	0	3
	12	1.04	0	4	0.53	0	3	0.53	0	3
	13	1.04	0	4	0.51	0	4	0.52	0	4
	14	1.04	0	4	0.53	0	3	0.53	0	3
	15	1.04	0	4	0.53	0	3	0.53	0	3
	16	1.04	0	4	0.51	0	4	0.52	0	4
	17	1.04	0	4	0.51	0	4	0.52	0	4
	18	1.04	0	4	0.51	0	4	0.52	0	4
	19	1.04	0	4	0.53	0	3	0.53	0	3
	20	1.04	0	4	0.53	0	3	0.53	0	3
	21	1.04	0	4	0.53	0	3	0.53	0	3
	22	1.04	0	4	0.53	0	3	0.53	0	3
	23	1.04	0	4	0.53	0	3	0.53	0	3
	24	1.04	0	4	0.53	0	3	0.53	0	3
	25	1.04	0	4	0.51	0	4	0.52	0	4
	26	1.04	0	4	0.51	0	4	0.52	0	4

27	1.04	0	4	0.51	0	4	0.52	0	4
28	1.34	0	7	0.55	0	3	0.57	0	3
29	1.32	0	7	0.55	0	3	0.57	0	3
30	1.34	0	7	0.55	0	3	0.57	0	3
31	1.03	0	6	0.54	0	3	0.54	0	3
32	1.00	0	6	0.41	0	3	0.40	0	3
33	1.00	0	6	0.41	0	3	0.40	0	3
34	1.00	0	6	0.41	0	3	0.40	0	3
35	0.99	0	6	0.41	0	3	0.40	0	3
36	0.99	0	6	0.41	0	3	0.40	0	3
37	0.99	0	6	0.41	0	3	0.40	0	3
38	0.99	0	6	0.41	0	3	0.40	0	3
39	0.99	0	6	0.41	0	3	0.40	0	3
40	0.99	0	6	0.41	0	3	0.40	0	3
41	1.00	0	6	0.41	0	3	0.40	0	3
42	1.00	0	6	0.41	0	3	0.40	0	3
43	1.00	0	6	0.41	0	3	0.40	0	3
44	0.99	0	6	0.41	0	3	0.40	0	3
45	0.99	0	6	0.41	0	3	0.40	0	3
46	0.99	0	6	0.41	0	3	0.40	0	3
47	0.99	0	6	0.41	0	3	0.40	0	3
48	0.99	0	6	0.41	0	3	0.40	0	3
49	0.99	0	6	0.41	0	3	0.40	0	3
50	1.00	0	6	0.41	0	3	0.40	0	3
51	1.00	0	6	0.41	0	3	0.40	0	3
52	1.00	0	6	0.41	0	3	0.40	0	3
53	0.99	0	6	0.41	0	3	0.40	0	3
54	0.99	0	6	0.41	0	3	0.40	0	3
55	0.99	0	6	0.41	0	3	0.40	0	3

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56	0.99	0	6	0.41	0	3	0.40	0	3	
57	0.99	0	6	0.41	0	3	0.40	0	3	
58	0.99	0	6	0.41	0	3	0.40	0	3	
59	1.18	0	6	0.45	0	3	0.45	0	3	
60	1.18	0	6	0.45	0	3	0.45	0	3	
61	1.18	0	6	0.45	0	3	0.45	0	3	
62	0.99	0	6	0.52	0	4	0.50	0	4	
mejor	0.62	0	3	0.39	0	3	0.40	0	3	
peor	5.51	1	8	4.13	1	7	4.14	1	7	
1	0.77	0	5	0.98	0	7	0.96	0	7	
2	0.74	0	5	0.69	0	6	0.68	0	6	
3	0.70	0	6	0.65	0	7	0.63	0	7	
4	0.70	0	5	0.70	0	6	0.68	0	6	
5	0.70	0	5	0.61	0	4	0.59	0	4	
6	1.25	0	7	0.57	0	4	0.58	0	4	
7	0.90	0	5	0.62	0	6	0.59	0	6	
8	1.30	0	6	0.59	0	5	0.59	0	5	
9	5.04	1	8	4.12	1	7	4.12	1	7	
10	0.78	0	5	0.80	0	6	0.79	0	6	
11	0.74	0	5	0.66	0	6	0.66	0	6	
12	0.72	0	5	0.72	0	6	0.70	0	6	
13	0.72	0	5	0.59	0	5	0.59	0	5	
14	0.76	0	5	0.51	0	3	0.51	0	3	
15	1.34	0	7	0.55	0	3	0.57	0	3	
16	0.87	0	5	0.56	0	5	0.56	0	5	
17	1.22	0	6	0.46	0	4	0.48	0	4	
18	5.17	0	8	4.13	0	7	4.14	0	7	
19	0.76	0	5	0.81	0	5	0.80	0	5	
20	0.74	0	5	0.75	0	5	0.74	0	5	
21	0.72	0	5	0.59	0	5	0.59	0	5	

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2												
22	0.73	0	5	0.66	0	4	0.65	0	4
23	0.80	0	5	0.49	0	3	0.48	0	3
24	1.46	0	7	0.63	0	3	0.66	0	3
25	0.93	0	5	0.55	0	4	0.54	0	4
26	1.37	0	6	0.55	0	3	0.57	0	3
27	5.51	1	8	4.11	1	7	4.13	1	7
28	0.78	0	5	1.03	0	7	1.02	0	7
29	0.68	0	5	0.74	0	6	0.73	0	6
30	0.65	0	6	0.65	0	6	0.64	0	6
31	0.64	0	5	0.74	0	5	0.73	0	5
32	0.64	0	4	0.64	0	5	0.63	0	5
33	0.95	0	5	0.59	0	4	0.57	0	4
34	0.83	0	5	0.62	0	6	0.60	0	6
35	1.12	0	6	0.57	0	5	0.55	0	5
36	2.37	0	6	1.17	0	4	1.17	0	4
37	0.71	0	5	0.94	0	6	0.93	0	6
38	0.68	0	4	0.66	0	6	0.66	0	6
39	0.66	0	5	0.57	0	5	0.56	0	5
40	0.66	0	4	0.62	0	4	0.61	0	4
41	0.67	0	4	0.54	0	3	0.53	0	3
42	1.04	0	4	0.53	0	3	0.53	0	3
43	0.78	0	4	0.54	0	5	0.54	0	5
44	1.04	0	6	0.46	0	4	0.46	0	4
45	2.55	0	7	1.31	0	5	1.31	0	5
46	0.73	0	5	0.88	0	6	0.87	0	6
47	0.67	0	4	0.77	0	5	0.76	0	5
48	0.66	0	3	0.61	0	4	0.59	0	4
49	0.66	0	3	0.65	0	4	0.64	0	4
50	0.70	0	4	0.48	0	3	0.47	0	3

51	1.20	0	5	0.57	0	3	0.57	0	3			
52	0.81	0	4	0.51	0	4	0.50	0	4			
53	1.13	0	6	0.53	0	3	0.54	0	3			
54	3.80	0	8	2.25	0	6	2.29	0	6			
55	0.68	0	3	0.90	0	6	0.89	0	6			
56	0.64	0	3	0.84	0	5	0.83	0	5			
57	0.64	0	3	0.64	0	4	0.63	0	4			
58	0.63	0	3	0.75	0	4	0.74	0	4			
59	0.64	0	4	0.58	0	3	0.56	0	3			
60	0.97	0	5	0.61	0	3	0.57	0	3			
61	0.92	0	4	0.62	0	4	0.59	0	4			
62	1.31	0	5	0.64	0	4	0.61	0	4			
63	2.62	0	7	1.42	0	4	1.42	0	4			
64	0.67	0	3	0.91	0	5	0.89	0	5			
65	0.64	0	4	0.64	0	5	0.63	0	5			
66	0.64	0	4	0.53	0	4	0.53	0	4			
67	0.63	0	3	0.57	0	4	0.56	0	4			
68	0.62	0	4	0.46	0	3	0.46	0	3			
69	0.99	0	6	0.41	0	3	0.40	0	3			
70	0.86	0	5	0.46	0	4	0.46	0	4			
71	1.15	0	5	0.50	0	3	0.49	0	3			
72	2.35	0	8	1.23	0	4	1.25	0	4			
73	0.70	0	3	0.84	0	5	0.82	0	5			
74	0.65	0	4	0.61	0	5	0.60	0	5			
75	0.67	0	4	0.51	0	4	0.51	0	4			
76	0.66	0	3	0.56	0	4	0.56	0	4			
77	0.67	0	4	0.44	0	3	0.44	0	3			
78	1.14	0	5	0.39	0	3	0.40	0	3			
79	0.85	0	5	0.48	0	4	0.48	0	4			
80	1.22	0	4	0.47	0	3	0.49	0	3			

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	81	3.45	0	8	1.81	0	5	1.90	0	5
3	mejor	0.67	0	4	0.39	0	3	0.40	0	3
	peor	1.31	0	5	0.45	0	3	0.47	0	3
	1	0.67	0	4	0.44	0	3	0.44	0	3
	2	0.67	0	4	0.44	0	3	0.44	0	3
	3	0.67	0	4	0.44	0	3	0.44	0	3
	4	0.85	0	5	0.45	0	3	0.46	0	3
	5	1.14	0	5	0.39	0	3	0.40	0	3
	6	1.14	0	5	0.39	0	3	0.40	0	3
	7	1.14	0	5	0.39	0	3	0.40	0	3
	8	1.31	0	5	0.45	0	3	0.47	0	3
4	mejor	0.67	0	3	0.39	0	3	0.40	0	3
	peor	1.67	0	6	0.61	0	4	0.64	0	4
	1	0.67	0	4	0.44	0	3	0.44	0	3
	2	0.67	0	3	0.45	0	3	0.45	0	3
	3	0.99	0	5	0.47	0	3	0.48	0	3
	4	1.14	0	5	0.39	0	3	0.40	0	3
	5	1.12	0	5	0.42	0	3	0.44	0	3
	6	1.67	0	6	0.61	0	4	0.64	0	4
5	mejor	0.67	0	4	0.39	0	3	0.40	0	3
	peor	1.14	0	5	0.44	0	3	0.44	0	3
	1	0.67	0	4	0.44	0	3	0.44	0	3
	2	0.67	0	4	0.44	0	3	0.44	0	3
	3	1.14	0	5	0.39	0	3	0.40	0	3
	4	1.14	0	5	0.39	0	3	0.40	0	3

Tabla I.10: Diferencias contra el Ground Truth (GT) en el conteo de personas en el filtro de blobs.

I.8.3. Según las métricas de tiempos máximos y promedio de procesamiento por frame

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00346	0.00049	0.01874	0.00253	0.02526
	peor	0.00386	0.00059	0.02220	0.00297	0.02957
1	1	0.00376	0.00059	0.02091	0.00286	0.02811
	2	0.00351	0.00054	0.01976	0.00263	0.02644
	3	0.00347	0.00054	0.01980	0.00280	0.02661
	4	0.00347	0.00053	0.02046	0.00271	0.02718
	5	0.00347	0.00052	0.01993	0.00270	0.02662
	6	0.00348	0.00055	0.02001	0.00282	0.02686
	7	0.00349	0.00055	0.02053	0.00269	0.02726
	8	0.00348	0.00052	0.02043	0.00267	0.02710
	9	0.00348	0.00053	0.02057	0.00267	0.02725
	10	0.00347	0.00053	0.01971	0.00268	0.02638
	11	0.00347	0.00052	0.01975	0.00268	0.02642
	12	0.00348	0.00055	0.01977	0.00274	0.02653
	13	0.00349	0.00053	0.02046	0.00268	0.02716
	14	0.00348	0.00052	0.01998	0.00267	0.02665
	15	0.00349	0.00054	0.02000	0.00270	0.02673
	16	0.00347	0.00055	0.02051	0.00274	0.02727
	17	0.00347	0.00052	0.02059	0.00264	0.02723
	18	0.00349	0.00053	0.02050	0.00268	0.02720
	19	0.00346	0.00055	0.01989	0.00277	0.02667
	20	0.00348	0.00053	0.01984	0.00269	0.02653
	21	0.00347	0.00052	0.01971	0.00266	0.02635
	22	0.00347	0.00054	0.01990	0.00269	0.02660
	23	0.00347	0.00054	0.01984	0.00268	0.02654
	24	0.00348	0.00054	0.01995	0.00279	0.02675
	25	0.00346	0.00054	0.02042	0.00270	0.02712
	26	0.00346	0.00054	0.02053	0.00275	0.02729
	27	0.00349	0.00053	0.02060	0.00269	0.02730
	28	0.00346	0.00052	0.01874	0.00253	0.02526
	29	0.00348	0.00052	0.01885	0.00256	0.02542
	30	0.00348	0.00052	0.01882	0.00261	0.02542
	31	0.00381	0.00058	0.02220	0.00297	0.02957
	32	0.00352	0.00050	0.01969	0.00271	0.02642
	33	0.00347	0.00051	0.01954	0.00269	0.02622
	34	0.00350	0.00050	0.01960	0.00271	0.02632
	35	0.00348	0.00050	0.02014	0.00262	0.02674
	36	0.00349	0.00052	0.02014	0.00268	0.02683
	37	0.00349	0.00051	0.02020	0.00267	0.02687
	38	0.00349	0.00051	0.02015	0.00263	0.02679

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1	39	0.00348	0.00053	0.02023	0.00279	0.02703
	40	0.00351	0.00050	0.02014	0.00269	0.02684
	41	0.00350	0.00049	0.01969	0.00266	0.02635
	42	0.00349	0.00051	0.01960	0.00264	0.02624
	43	0.00349	0.00052	0.01958	0.00272	0.02632
	44	0.00348	0.00052	0.02021	0.00270	0.02691
	45	0.00348	0.00050	0.02015	0.00264	0.02677
	46	0.00347	0.00050	0.02019	0.00259	0.02675
	47	0.00351	0.00050	0.02014	0.00268	0.02682
	48	0.00349	0.00051	0.02016	0.00265	0.02680
	49	0.00348	0.00051	0.02015	0.00271	0.02685
	50	0.00349	0.00050	0.01962	0.00268	0.02629
	51	0.00348	0.00051	0.01969	0.00274	0.02642
	52	0.00350	0.00050	0.01955	0.00268	0.02624
	53	0.00351	0.00050	0.02028	0.00277	0.02706
	54	0.00347	0.00052	0.02012	0.00273	0.02684
	55	0.00346	0.00050	0.02005	0.00264	0.02664
	56	0.00348	0.00050	0.02016	0.00260	0.02673
	57	0.00351	0.00051	0.02018	0.00279	0.02699
	58	0.00349	0.00051	0.02033	0.00272	0.02704
	59	0.00347	0.00052	0.02012	0.00256	0.02668
	60	0.00349	0.00051	0.02014	0.00267	0.02681
	61	0.00348	0.00051	0.02010	0.00258	0.02668
	62	0.00386	0.00056	0.02199	0.00290	0.02930
	mejor	0.00344	0.00050	0.00475	0.00038	0.00909
	peor	0.00382	0.00061	1.05448	0.00324	1.06159
2	1	0.00356	0.00052	1.05112	0.00309	1.05829
	2	0.00348	0.00053	0.29015	0.00293	0.29709
	3	0.00347	0.00052	0.11888	0.00298	0.12585
	4	0.00346	0.00052	0.18410	0.00296	0.19104
	5	0.00345	0.00053	0.05020	0.00290	0.05709
	6	0.00346	0.00052	0.01883	0.00260	0.02541
	7	0.00348	0.00052	0.14761	0.00278	0.15439
	8	0.00345	0.00053	0.03992	0.00268	0.04657
	9	0.00345	0.00053	0.00479	0.00070	0.00947
	10	0.00349	0.00053	1.05312	0.00300	1.06014
	11	0.00347	0.00053	0.28953	0.00290	0.29644
	12	0.00347	0.00052	0.11871	0.00300	0.12570
	13	0.00348	0.00053	0.18412	0.00294	0.19106
	14	0.00347	0.00052	0.05011	0.00279	0.05689
	15	0.00345	0.00052	0.01872	0.00261	0.02531
	16	0.00347	0.00054	0.14783	0.00289	0.15473
	17	0.00348	0.00052	0.04014	0.00271	0.04686
	18	0.00344	0.00052	0.00476	0.00060	0.00932
	19	0.00353	0.00053	1.05448	0.00305	1.06159
	20	0.00349	0.00052	0.29040	0.00297	0.29739

	21	0.00348	0.00052	0.11969	0.00289	0.12659
	22	0.00347	0.00052	0.18483	0.00286	0.19169
	23	0.00348	0.00052	0.05028	0.00272	0.05701
	24	0.00345	0.00053	0.01876	0.00249	0.02524
	25	0.00347	0.00053	0.14776	0.00277	0.15453
	26	0.00346	0.00052	0.03999	0.00255	0.04651
	27	0.00345	0.00051	0.00475	0.00038	0.00909
	28	0.00347	0.00053	1.02194	0.00315	1.02910
	29	0.00360	0.00055	0.28665	0.00317	0.29397
	30	0.00359	0.00056	0.12099	0.00323	0.12836
	31	0.00362	0.00055	0.18632	0.00315	0.19365
	32	0.00370	0.00055	0.05399	0.00297	0.06121
	33	0.00382	0.00059	0.02101	0.00297	0.02839
	34	0.00362	0.00055	0.15214	0.00300	0.15931
	35	0.00382	0.00058	0.04461	0.00289	0.05189
	36	0.00382	0.00059	0.01713	0.00231	0.02386
	37	0.00362	0.00054	1.04119	0.00316	1.04851
	38	0.00373	0.00056	0.29543	0.00307	0.30279
	39	0.00373	0.00057	0.12351	0.00318	0.13099
	40	0.00377	0.00058	0.18620	0.00324	0.19378
2	41	0.00369	0.00057	0.05367	0.00308	0.06102
	42	0.00380	0.00060	0.02117	0.00300	0.02856
	43	0.00368	0.00056	0.15631	0.00302	0.16357
	44	0.00381	0.00058	0.04505	0.00292	0.05236
	45	0.00380	0.00061	0.01723	0.00233	0.02397
	46	0.00348	0.00052	1.01853	0.00302	1.02554
	47	0.00348	0.00054	0.28061	0.00302	0.28765
	48	0.00356	0.00053	0.12024	0.00304	0.12737
	49	0.00348	0.00054	0.17981	0.00297	0.18680
	50	0.00348	0.00054	0.04999	0.00288	0.05690
	51	0.00346	0.00053	0.01986	0.00255	0.02640
	52	0.00348	0.00054	0.14387	0.00281	0.15070
	53	0.00347	0.00052	0.04047	0.00258	0.04705
	54	0.00344	0.00053	0.01548	0.00151	0.02096
	55	0.00358	0.00050	1.03339	0.00308	1.04055
	56	0.00354	0.00050	0.28394	0.00300	0.29099
	57	0.00350	0.00052	0.11958	0.00298	0.12658
	58	0.00350	0.00053	0.18144	0.00313	0.18860
	59	0.00349	0.00051	0.05042	0.00289	0.05731
	60	0.00347	0.00050	0.02014	0.00265	0.02676
	61	0.00348	0.00050	0.14603	0.00276	0.15278
	62	0.00349	0.00050	0.04096	0.00252	0.04747
	63	0.00350	0.00052	0.01540	0.00203	0.02146
	64	0.00353	0.00051	1.02244	0.00309	1.02957
	65	0.00351	0.00050	0.28359	0.00287	0.29048
	66	0.00352	0.00051	0.11933	0.00291	0.12627

2

	67	0.00350	0.00050	0.18110	0.00282	0.18792
	68	0.00349	0.00052	0.05055	0.00283	0.05738
	69	0.00346	0.00050	0.02000	0.00261	0.02657
	70	0.00351	0.00052	0.14592	0.00281	0.15276
	71	0.00349	0.00052	0.04105	0.00258	0.04764
	72	0.00349	0.00051	0.01539	0.00209	0.02148
	73	0.00354	0.00050	1.02196	0.00302	1.02903
	74	0.00351	0.00051	0.28343	0.00297	0.29042
	75	0.00348	0.00050	0.11899	0.00285	0.12583
	76	0.00351	0.00051	0.18099	0.00293	0.18794
	77	0.00349	0.00050	0.05041	0.00277	0.05717
	78	0.00347	0.00050	0.02016	0.00257	0.02670
	79	0.00350	0.00051	0.14580	0.00277	0.15258
	80	0.00350	0.00051	0.04100	0.00248	0.04748
	81	0.00349	0.00051	0.01528	0.00166	0.02094
3	mejor	0.00349	0.00050	0.02002	0.00257	0.02675
	peor	0.00389	0.00058	0.05226	0.00288	0.05917
	1	0.00359	0.00052	0.05159	0.00288	0.05858
	2	0.00351	0.00051	0.05035	0.00284	0.05721
	3	0.00358	0.00052	0.05226	0.00281	0.05917
	4	0.00355	0.00051	0.05040	0.00283	0.05729
	5	0.00389	0.00058	0.02154	0.00288	0.02888
	6	0.00367	0.00056	0.02058	0.00281	0.02761
	7	0.00349	0.00050	0.02018	0.00257	0.02675
	8	0.00365	0.00053	0.02002	0.00259	0.02680
4	mejor	0.00346	0.00049	0.01988	0.00258	0.02644
	peor	0.00422	0.00061	0.05809	0.00300	0.06549
	1	0.00363	0.00050	0.05252	0.00296	0.05962
	2	0.00349	0.00050	0.05010	0.00279	0.05687
	3	0.00385	0.00055	0.05809	0.00300	0.06549
	4	0.00346	0.00050	0.02010	0.00258	0.02664
	5	0.00346	0.00049	0.01988	0.00261	0.02644
	6	0.00422	0.00061	0.02296	0.00289	0.03067
5	mejor	0.00348	0.00050	0.01705	0.00261	0.02376
	peor	0.00358	0.00051	0.05034	0.00280	0.05707
	1	0.00357	0.00051	0.03907	0.00280	0.04594
	2	0.00349	0.00050	0.05034	0.00274	0.05707
	3	0.00358	0.00050	0.01705	0.00263	0.02376
	4	0.00348	0.00050	0.02022	0.00261	0.02681

Tabla I.11: Tiempos promedio de procesamiento por frame en el filtro de blobs.

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00473	0.00075	0.03484	0.00634	0.04739

peor	0.00664	0.00254	0.05267	0.01212	0.07174
1	0.00618	0.00221	0.04599	0.01038	0.06476
2	0.00556	0.00241	0.04109	0.00793	0.05698
3	0.00562	0.00097	0.04470	0.00813	0.05943
4	0.00628	0.00094	0.04090	0.00907	0.05719
5	0.00481	0.00084	0.04495	0.00765	0.05825
6	0.00588	0.00106	0.04206	0.00824	0.05724
7	0.00570	0.00109	0.04223	0.00973	0.05876
8	0.00545	0.00084	0.03995	0.00944	0.05567
9	0.00622	0.00084	0.04160	0.00948	0.05815
10	0.00495	0.00081	0.03986	0.00850	0.05412
11	0.00566	0.00092	0.04048	0.00772	0.05479
12	0.00598	0.00118	0.04082	0.00807	0.05605
13	0.00634	0.00097	0.04017	0.00961	0.05709
1 14	0.00586	0.00112	0.05238	0.00793	0.06728
15	0.00567	0.00098	0.04305	0.00757	0.05728
16	0.00561	0.00100	0.04038	0.00967	0.05665
17	0.00592	0.00098	0.03992	0.00942	0.05623
18	0.00628	0.00083	0.04047	0.00917	0.05676
19	0.00537	0.00097	0.04152	0.00818	0.05604
20	0.00554	0.00085	0.03995	0.00820	0.05454
21	0.00621	0.00095	0.03951	0.00817	0.05483
22	0.00554	0.00118	0.04100	0.00799	0.05570
23	0.00567	0.00097	0.04010	0.00794	0.05467
24	0.00550	0.00100	0.04028	0.00814	0.05492
25	0.00513	0.00098	0.04254	0.00992	0.05856
26	0.00516	0.00100	0.03973	0.00979	0.05568
27	0.00572	0.00092	0.04124	0.00960	0.05748
28	0.00504	0.00095	0.03540	0.00634	0.04774
29	0.00538	0.00113	0.03484	0.00635	0.04770
30	0.00518	0.00099	0.03488	0.00635	0.04739
31	0.00660	0.00249	0.05267	0.00998	0.07174
32	0.00571	0.00093	0.04176	0.01132	0.05972
33	0.00583	0.00096	0.03875	0.01212	0.05766
34	0.00526	0.00092	0.04015	0.01121	0.05755
35	0.00517	0.00100	0.03934	0.01058	0.05609
36	0.00620	0.00092	0.03944	0.01113	0.05769
37	0.00586	0.00108	0.04050	0.01156	0.05900
38	0.00569	0.00092	0.04230	0.01127	0.06018
39	0.00506	0.00104	0.03928	0.01180	0.05717
40	0.00567	0.00099	0.03902	0.01140	0.05708
1 41	0.00565	0.00097	0.04093	0.01135	0.05890
42	0.00664	0.00106	0.04068	0.01102	0.05940
43	0.00588	0.00112	0.03947	0.01110	0.05756
44	0.00514	0.00094	0.03935	0.01169	0.05713
45	0.00582	0.00099	0.04949	0.01103	0.06733

1	46	0.00548	0.00081	0.04097	0.01106	0.05831
	47	0.00618	0.00090	0.04021	0.01133	0.05862
	48	0.00504	0.00100	0.03878	0.01210	0.05692
	49	0.00526	0.00084	0.03910	0.01189	0.05708
	50	0.00482	0.00075	0.03937	0.01101	0.05594
	51	0.00503	0.00081	0.03920	0.01155	0.05658
	52	0.00557	0.00108	0.04132	0.01098	0.05894
	53	0.00573	0.00122	0.03911	0.01120	0.05726
	54	0.00514	0.00105	0.03931	0.01147	0.05698
	55	0.00473	0.00093	0.03879	0.01130	0.05575
	56	0.00595	0.00098	0.03890	0.01108	0.05692
	57	0.00571	0.00112	0.03919	0.01185	0.05787
	58	0.00579	0.00097	0.03906	0.01126	0.05708
	59	0.00506	0.00108	0.04014	0.01150	0.05779
	60	0.00576	0.00102	0.03874	0.01164	0.05715
	61	0.00633	0.00091	0.03859	0.01095	0.05678
	62	0.00654	0.00254	0.04569	0.01149	0.06627
	mejor	0.00475	0.00078	0.02085	0.00186	0.02920
	peor	0.02940	0.00648	2.50737	0.02161	2.52706
2	1	0.02914	0.00157	2.31862	0.02161	2.37094
	2	0.01342	0.00090	0.58547	0.00774	0.60753
	3	0.00507	0.00093	0.23207	0.00774	0.24581
	4	0.00577	0.00091	0.38208	0.00811	0.39687
	5	0.00475	0.00099	0.10178	0.00789	0.11540
	6	0.00507	0.00090	0.03895	0.00779	0.05271
	7	0.00718	0.00112	0.30150	0.00810	0.31790
	8	0.00571	0.00096	0.08363	0.00753	0.09782
	9	0.00558	0.00113	0.02107	0.00233	0.03012
	10	0.01789	0.00648	2.42392	0.00896	2.45725
	11	0.00563	0.00091	0.58259	0.00716	0.59630
	12	0.00615	0.00096	0.24885	0.00692	0.26287
	13	0.00636	0.00096	0.40045	0.00742	0.41519
	14	0.00599	0.00090	0.10276	0.00773	0.11740
	15	0.00527	0.00094	0.03581	0.00645	0.04847
	16	0.00565	0.00089	0.30637	0.00872	0.32163
	17	0.00654	0.00129	0.08565	0.00663	0.10010
	18	0.00538	0.00089	0.02085	0.00273	0.02985
	19	0.02940	0.00105	2.41758	0.01792	2.46596
	20	0.00539	0.00091	0.58681	0.00794	0.60105
	21	0.00577	0.00086	0.24180	0.00710	0.25552
	22	0.00655	0.00108	0.37512	0.00647	0.38921
	23	0.00630	0.00091	0.10884	0.00704	0.12310
	24	0.00525	0.00101	0.03472	0.00710	0.04808
	25	0.00559	0.00096	0.30264	0.00775	0.31695
	26	0.00592	0.00087	0.08569	0.00694	0.09942
	27	0.00560	0.00087	0.02088	0.00186	0.02920

	28	0.00829	0.00103	2.50737	0.01037	2.52706
	29	0.00630	0.00125	0.58691	0.00906	0.60351
	30	0.00580	0.00109	0.24917	0.00926	0.26531
	31	0.00595	0.00106	0.39737	0.00849	0.41287
	32	0.00626	0.00117	0.11204	0.00678	0.12626
	33	0.00604	0.00236	0.04550	0.00819	0.06209
	34	0.00640	0.00101	0.31277	0.00941	0.32959
	35	0.00775	0.00208	0.09365	0.00760	0.11106
	36	0.00650	0.00273	0.03697	0.00665	0.05285
	37	0.01268	0.00103	2.36493	0.01022	2.38885
	38	0.00631	0.00164	0.66612	0.00836	0.68243
	39	0.00616	0.00107	0.24929	0.01411	0.27064
	40	0.00665	0.00148	0.42897	0.00891	0.44601
2	41	0.00629	0.00201	0.12487	0.01185	0.14503
	42	0.00649	0.00232	0.04618	0.01059	0.06558
	43	0.00658	0.00243	0.35761	0.00943	0.37604
	44	0.00669	0.00151	0.09640	0.00789	0.11249
	45	0.00662	0.00263	0.03855	0.00710	0.05491
	46	0.01228	0.00106	2.50000	0.01107	2.52441
	47	0.00490	0.00092	0.59505	0.00726	0.60813
	48	0.00561	0.00106	0.24388	0.00701	0.25757
	49	0.00539	0.00091	0.39867	0.00810	0.41307
	50	0.00587	0.00110	0.10590	0.00769	0.12056
	51	0.00509	0.00088	0.04009	0.00994	0.05600
	52	0.00573	0.00091	0.30286	0.00750	0.31699
	53	0.00581	0.00080	0.08411	0.00700	0.09772
	54	0.00501	0.00090	0.03145	0.00428	0.04164
	55	0.01676	0.00091	1.94470	0.01238	1.97475
	56	0.00970	0.00107	0.56797	0.00782	0.58656
	57	0.00570	0.00093	0.24057	0.01063	0.25784
	58	0.00622	0.00110	0.38895	0.00963	0.40590
	59	0.00577	0.00099	0.11253	0.00899	0.12827
	60	0.00514	0.00087	0.03999	0.00950	0.05549
	61	0.00506	0.00084	0.30311	0.00824	0.31726
	62	0.00604	0.00089	0.08659	0.00803	0.10155
	63	0.00642	0.00082	0.03025	0.00652	0.04402
	64	0.00824	0.00098	2.14585	0.01353	2.16859
	65	0.00561	0.00096	0.57464	0.00779	0.58901
	66	0.01380	0.00116	0.23637	0.00843	0.25976
	67	0.00560	0.00090	0.39022	0.00792	0.40464
2	68	0.00583	0.00100	0.10197	0.00733	0.11613
	69	0.00511	0.00078	0.03886	0.01103	0.05578
	70	0.00630	0.00089	0.29536	0.00763	0.31017
	71	0.00628	0.00092	0.08321	0.00676	0.09717
	72	0.00561	0.00087	0.03262	0.00688	0.04598
	73	0.00666	0.00086	2.11682	0.01163	2.13597

	74	0.00577	0.00099	0.55690	0.00785	0.57150
	75	0.00579	0.00106	0.23602	0.00824	0.25111
	76	0.00537	0.00088	0.37118	0.00764	0.38507
	77	0.00587	0.00101	0.10871	0.00543	0.12102
	78	0.00525	0.00091	0.03998	0.00993	0.05606
	79	0.00560	0.00107	0.29337	0.00716	0.30720
	80	0.00640	0.00095	0.08337	0.01104	0.10176
	81	0.00602	0.00092	0.03020	0.00500	0.04214
3	mejor	0.00563	0.00090	0.04042	0.00549	0.05891
	peor	0.00773	0.00226	0.12029	0.01080	0.13341
	1	0.00631	0.00103	0.10241	0.00579	0.11554
	2	0.00563	0.00114	0.09850	0.00638	0.11165
	3	0.00605	0.00158	0.12029	0.00549	0.13341
	4	0.00595	0.00124	0.10109	0.00576	0.11404
	5	0.00773	0.00226	0.05221	0.01074	0.07295
	6	0.00635	0.00186	0.04042	0.01027	0.05891
	7	0.00585	0.00090	0.04429	0.01021	0.06125
	8	0.00681	0.00204	0.04377	0.01080	0.06342
4	mejor	0.00477	0.00077	0.03882	0.00674	0.05318
	peor	0.00961	0.00496	0.11649	0.01023	0.13890
	1	0.00738	0.00108	0.10591	0.00674	0.12111
	2	0.00497	0.00098	0.10760	0.00700	0.12056
	3	0.00862	0.00460	0.11649	0.00920	0.13890
	4	0.00478	0.00077	0.03890	0.00995	0.05440
	5	0.00477	0.00078	0.03882	0.00880	0.05318
	6	0.00961	0.00496	0.04870	0.01023	0.07350
5	mejor	0.00556	0.00083	0.03949	0.00575	0.05613
	peor	0.00604	0.00124	0.09956	0.01025	0.11195
	1	0.00604	0.00109	0.08663	0.00655	0.10031
	2	0.00567	0.00097	0.09956	0.00575	0.11195
	3	0.00587	0.00124	0.04174	0.01009	0.05894
	4	0.00556	0.00083	0.03949	0.01025	0.05613

Tabla I.12: Tiempos máximos de procesamiento por frame en el filtro de blobs

I.9. Resultados para el filtro de seguimiento

A continuación se presentan los resultados de cada métrica para los experimentos de los tres bloques del filtro Seguimiento. Las distintas celdas de las tablas tienen tonos de grises que indican qué tan bueno o malo es el valor de la métrica comparado con el valor de la misma métrica en el resto de los experimentos del mismo bloque. Cuanto más blanco es el color, mejor es el valor.

I.9.1. Según las métricas del MOT Challenge

Bloque	Conf	Rcll	Prcn	FAR	GT	MT	PT	ML	FP	FN	IDs	FM	MOTA	MOTP	MOTAL
	mejor	79.4	73.6	1.47	N/A	10	15	0	1169	877	44	222	49.8	64.4	50.8
	peor	65.4	62.4	2.11	N/A	4	9	0	1674	1475	403	350	16.6	64.1	26.0
1		72.4	66.2	1.98	19	7	12	0	1574	1175	382	330	26.5	64.3	35.4
2		76.5	71.5	1.64	19	8	11	0	1301	999	124	264	43.1	64.3	45.9
3		75.4	69.4	1.78	19	8	11	0	1418	1048	100	267	39.8	64.3	42.1
4		78.0	72.7	1.57	19	8	11	0	1248	938	62	237	47.2	64.1	48.6
5		77.5	72.7	1.56	19	10	9	0	1238	958	70	247	46.8	64.2	48.4
6		79.4	73.6	1.53	19	10	9	0	1216	877	44	229	49.8	64.2	50.8
7		75.4	69.3	1.79	19	7	12	0	1421	1048	125	279	39.1	64.2	42.0
8		78.2	72.7	1.57	19	10	9	0	1252	929	57	228	47.5	64.2	48.7
9		77.7	72.5	1.58	19	8	11	0	1257	951	64	241	46.7	64.1	48.1
10		75.9	69.3	1.80	19	9	10	0	1431	1025	93	253	40.2	64.1	42.3
11		65.4	62.4	2.11	19	4	15	0	1674	1475	403	350	16.6	64.4	26.0
12		70.8	71.2	1.54	19	7	12	0	1223	1242	121	288	39.3	64.4	42.1
13		71.0	69.7	1.65	19	6	13	0	1313	1236	105	263	37.7	64.4	40.1
14		74.1	72.3	1.52	19	8	11	0	1211	1101	59	246	44.3	64.4	45.7
15		73.6	72.2	1.52	19	9	10	0	1206	1124	70	255	43.6	64.3	45.2
16		74.6	72.8	1.49	19	8	11	0	1186	1081	56	222	45.5	64.4	46.7
17		71.4	69.2	1.70	19	6	13	0	1351	1218	105	272	37.2	64.4	39.6
18		73.4	71.9	1.54	19	9	10	0	1223	1132	78	250	42.9	64.3	44.7
19		73.9	72.9	1.47	19	8	11	0	1169	1110	60	238	45.1	64.4	46.4
20		68.6	66.6	1.85	19	7	12	0	1467	1339	116	275	31.4	64.3	34.1
	mejor	79.8	75.0	1.42	N/A	10	11	0	1130	861	29	211	51.8	64.4	52.9
	peor	73.5	70.9	1.65	N/A	8	8	1	1310	1130	75	255	43.1	64.0	44.2
1		78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6
2		78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6
3		78.5	71.9	1.64	19	10	9	0	1304	915	42	235	46.9	64.1	47.9
4		78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6

5	78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6
6	78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6
7	78.8	72.3	1.62	19	10	9	0	1285	901	39	235	47.8	64.0	48.6
8	79.5	73.0	1.57	19	10	9	0	1250	874	37	237	49.3	64.0	50.1
9	79.1	72.5	1.61	19	9	10	0	1278	890	38	237	48.2	64.1	49.1
10	79.0	72.4	1.62	19	9	10	0	1285	896	40	236	47.9	64.1	48.8
11	79.1	72.5	1.61	19	9	10	0	1277	890	38	237	48.2	64.1	49.1
12	79.1	72.5	1.61	19	9	10	0	1278	890	38	237	48.2	64.1	49.1
13	79.1	72.5	1.61	19	9	10	0	1278	890	38	237	48.2	64.1	49.1
14	79.1	72.5	1.61	19	9	10	0	1278	890	38	237	48.2	64.1	49.1
15	79.4	73.6	1.53	19	10	9	0	1215	877	44	229	49.8	64.2	50.8
16	79.0	73.2	1.55	19	10	9	0	1234	895	45	227	49.0	64.2	50.0
17	79.4	73.6	1.53	19	10	9	0	1216	877	46	229	49.8	64.2	50.8
18	79.6	73.6	1.53	19	10	9	0	1217	870	41	229	50.0	64.2	51.0
19	79.4	73.6	1.53	19	10	9	0	1216	877	44	229	49.8	64.2	50.8
20	79.4	73.6	1.53	19	10	9	0	1216	877	44	229	49.8	64.2	50.8
21	79.4	73.6	1.53	19	10	9	0	1216	877	44	229	49.8	64.2	50.8
22	79.8	73.9	1.51	19	10	9	0	1197	861	30	235	51.0	64.1	51.6
23	79.8	73.9	1.51	19	10	9	0	1197	861	32	236	50.9	64.1	51.6
24	79.6	73.8	1.51	19	10	9	0	1204	867	37	236	50.5	64.1	51.3
25	79.8	73.9	1.51	19	10	9	0	1197	861	32	236	50.9	64.1	51.6
26	79.8	74.0	1.50	19	10	9	0	1196	861	32	236	51.0	64.1	51.7
27	79.8	73.9	1.51	19	10	9	0	1197	861	32	236	50.9	64.1	51.6
28	79.8	74.0	1.50	19	10	9	0	1196	861	32	236	51.0	64.1	51.7
29	79.8	73.9	1.51	19	10	9	0	1197	861	31	236	51.0	64.1	51.6
30	79.8	73.9	1.51	19	10	9	0	1197	861	33	237	50.9	64.1	51.6
31	79.5	73.6	1.53	19	10	9	0	1216	875	38	237	50.0	64.1	50.9
32	79.8	73.9	1.51	19	10	9	0	1197	861	33	237	50.9	64.1	51.6
33	79.8	73.9	1.51	19	10	9	0	1197	861	33	237	50.9	64.1	51.6
34	79.8	74.0	1.50	19	10	9	0	1196	861	33	237	50.9	64.1	51.7

35	79.8	73.9	1.51	19	10	9	0	1197	861	33	237	50.9	64.1	51.6
36	78.7	73.7	1.50	19	9	10	0	1194	908	53	234	49.4	64.1	50.6
37	78.7	74.2	1.46	19	10	9	0	1164	907	56	237	50.1	64.1	51.3
38	79.2	74.4	1.46	19	10	9	0	1161	885	57	237	50.6	64.1	51.9
39	78.7	73.7	1.50	19	9	10	0	1194	907	54	234	49.4	64.1	50.6
40	78.8	74.3	1.46	19	10	9	0	1160	903	54	236	50.3	64.2	51.5
41	79.4	74.6	1.45	19	10	9	0	1153	879	51	235	51.1	64.1	52.2
42	79.0	74.0	1.49	19	10	9	0	1183	894	52	237	50.0	64.1	51.2
43	79.5	74.4	1.47	19	10	9	0	1167	874	46	235	51.0	64.1	52.0
44	79.5	75.0	1.42	19	10	9	0	1132	872	48	236	51.8	64.2	52.9
45	79.5	74.3	1.47	19	10	9	0	1168	874	44	237	51.0	64.1	52.0
46	79.4	74.3	1.47	19	10	9	0	1170	877	47	238	50.8	64.1	51.9
47	79.5	75.0	1.42	19	10	9	0	1132	872	48	236	51.8	64.2	52.9
48	79.5	74.3	1.47	19	10	9	0	1168	875	45	238	51.0	64.1	52.0
49	79.4	74.3	1.47	19	10	9	0	1169	876	47	238	50.9	64.1	51.9
50	75.5	71.8	1.58	19	9	10	0	1260	1044	49	225	44.8	64.3	45.9
51	76.2	72.6	1.54	19	10	9	0	1226	1013	41	213	46.5	64.3	47.4
52	76.3	72.8	1.53	19	10	9	0	1217	1008	44	211	46.7	64.3	47.7
53	76.4	72.8	1.53	19	10	9	0	1215	1004	39	217	47.0	64.3	47.9
54	76.4	72.8	1.53	19	10	9	0	1215	1004	39	217	47.0	64.3	47.9
55	76.2	72.6	1.54	19	10	9	0	1226	1013	38	213	46.5	64.3	47.4
56	76.4	72.8	1.53	19	10	9	0	1215	1004	39	217	47.0	64.3	47.9
57	75.0	70.9	1.65	19	9	9	1	1310	1063	52	218	43.1	64.3	44.2
58	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
59	75.3	71.9	1.58	19	9	9	1	1253	1051	56	214	44.6	64.3	45.9
60	75.3	71.4	1.62	19	9	9	1	1284	1053	51	223	43.9	64.3	45.1
61	75.3	71.4	1.62	19	9	9	1	1284	1053	51	223	43.9	64.3	45.1
62	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
63	75.3	71.4	1.62	19	9	9	1	1284	1053	51	223	43.9	64.3	45.1

64	74.7	73.8	1.42	19	9	10	0	1132	1077	53	221	46.9	64.4	48.1
65	74.8	73.8	1.42	19	9	10	0	1130	1075	53	222	47.0	64.4	48.2
66	74.7	72.9	1.49	19	8	11	0	1183	1076	57	221	45.6	64.4	46.9
67	74.6	72.8	1.49	19	8	11	0	1187	1082	52	222	45.5	64.4	46.7
68	74.4	72.7	1.49	19	8	11	0	1188	1091	55	220	45.2	64.4	46.4
69	74.6	72.8	1.49	19	8	11	0	1186	1081	56	222	45.5	64.4	46.7
70	74.4	72.7	1.49	19	8	11	0	1188	1091	55	220	45.2	64.4	46.4
71	76.0	72.6	1.53	19	10	9	0	1220	1021	33	224	46.6	64.2	47.3
72	76.1	72.8	1.53	19	10	9	0	1213	1020	30	223	46.9	64.2	47.5
73	75.3	71.8	1.59	19	10	9	0	1262	1050	33	224	44.9	64.3	45.7
74	76.4	72.9	1.52	19	10	9	0	1206	1007	31	220	47.3	64.3	48.0
75	76.3	72.9	1.52	19	10	9	0	1208	1009	29	220	47.3	64.2	47.9
76	76.3	72.9	1.52	19	10	9	0	1209	1010	31	221	47.2	64.2	47.9
77	76.3	72.9	1.52	19	10	9	0	1209	1010	31	221	47.2	64.2	47.9
78	76.0	72.8	1.52	19	10	9	0	1207	1023	34	219	46.8	64.2	47.6
79	76.2	73.0	1.51	19	10	9	0	1198	1014	32	218	47.3	64.3	48.0
80	74.7	71.8	1.57	19	10	9	0	1249	1076	42	224	44.4	64.3	45.4
81	76.2	73.1	1.50	19	10	9	0	1196	1012	32	217	47.4	64.3	48.1
82	76.2	73.1	1.50	19	10	9	0	1196	1012	32	217	47.4	64.3	48.1
83	76.2	73.0	1.51	19	10	9	0	1198	1014	32	218	47.3	64.3	48.0
84	76.2	73.1	1.50	19	10	9	0	1196	1012	32	217	47.4	64.3	48.1
85	76.0	72.9	1.51	19	9	10	0	1202	1023	42	229	46.8	64.2	47.7
86	75.8	72.8	1.52	19	9	10	0	1205	1032	41	230	46.5	64.2	47.4
87	75.0	72.2	1.54	19	9	10	0	1228	1066	52	234	44.9	64.3	46.1
88	76.0	72.9	1.51	19	9	10	0	1201	1022	42	228	46.8	64.2	47.8
89	76.1	73.0	1.51	19	9	10	0	1198	1019	40	228	47.0	64.2	47.9
90	76.0	72.9	1.51	19	9	10	0	1201	1022	40	228	46.9	64.2	47.8
91	76.0	72.9	1.51	19	9	10	0	1201	1022	40	228	46.9	64.2	47.8
92	76.1	73.2	1.49	19	9	10	0	1186	1016	38	225	47.4	64.3	48.3
93	76.0	73.1	1.49	19	9	10	0	1188	1024	36	227	47.2	64.3	48.0

94	75.1	72.5	1.53	19	9	10	0	1216	1061	46	226	45.5	64.3	46.5
95	76.2	73.3	1.49	19	9	10	0	1184	1014	38	224	47.5	64.3	48.4
96	76.3	73.3	1.49	19	9	10	0	1181	1011	36	224	47.7	64.3	48.5
97	76.2	73.2	1.49	19	9	10	0	1185	1015	36	225	47.5	64.3	48.3
98	76.2	73.3	1.49	19	9	10	0	1184	1014	36	224	47.5	64.3	48.4
99	75.5	71.8	1.58	19	9	10	0	1260	1044	49	225	44.8	64.3	45.9
100	76.2	72.6	1.54	19	10	9	0	1226	1013	41	213	46.5	64.3	47.4
101	76.2	72.6	1.54	19	10	9	0	1222	1014	45	218	46.4	64.2	47.5
102	76.2	72.6	1.54	19	10	9	0	1226	1013	38	213	46.5	64.3	47.4
103	76.2	72.6	1.54	19	10	9	0	1226	1013	38	213	46.5	64.3	47.4
104	76.2	72.6	1.54	19	10	9	0	1226	1013	38	213	46.5	64.3	47.4
105	76.2	72.6	1.54	19	10	9	0	1226	1013	38	213	46.5	64.3	47.4
106	75.0	70.9	1.65	19	9	9	1	1310	1063	52	218	43.1	64.3	44.2
107	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
108	75.3	71.4	1.61	19	9	9	1	1282	1053	54	224	43.9	64.3	45.1
109	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
110	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
111	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
112	76.0	72.1	1.57	19	10	8	1	1249	1024	41	212	45.7	64.3	46.6
113	73.5	72.1	1.52	19	9	10	0	1210	1130	74	255	43.3	64.3	45.0
114	73.6	72.2	1.52	19	9	10	0	1206	1124	70	255	43.6	64.3	45.2
115	73.6	72.6	1.49	19	9	10	0	1184	1125	75	253	44.0	64.3	45.7
116	73.5	72.2	1.52	19	9	10	0	1207	1127	72	253	43.5	64.3	45.2
117	73.5	72.1	1.52	19	9	10	0	1209	1128	72	254	43.4	64.3	45.1
118	73.7	72.3	1.51	19	9	10	0	1201	1120	72	252	43.8	64.3	45.5
119	73.5	72.2	1.52	19	9	10	0	1207	1127	72	253	43.5	64.3	45.2
120	76.1	73.9	1.44	19	9	10	0	1146	1019	39	218	48.3	64.3	49.1
121	76.1	73.6	1.47	19	10	9	0	1165	1016	34	222	48.0	64.2	48.8
122	75.7	72.6	1.53	19	10	9	0	1215	1035	41	223	46.2	64.2	47.1

2

2																		
123	76.4	73.7	1.46	19	10	9	0	1162	1007	35	221	48.3	64.3	49.0				
124	76.3	73.6	1.46	19	10	9	0	1164	1009	33	221	48.2	64.3	48.9				
125	76.4	73.7	1.46	19	10	9	0	1160	1005	38	221	48.3	64.2	49.1				
126	76.4	73.7	1.46	19	10	9	0	1162	1007	35	221	48.3	64.3	49.0				
127	75.9	73.0	1.50	19	9	10	0	1193	1026	41	219	46.9	64.2	47.9				
128	76.3	73.2	1.50	19	10	9	0	1192	1009	33	217	47.5	64.2	48.3				
129	75.9	72.4	1.55	19	10	9	0	1233	1028	39	218	46.0	64.2	46.9				
130	76.3	73.2	1.50	19	10	9	0	1192	1009	33	217	47.5	64.2	48.3				
131	76.3	73.2	1.50	19	10	9	0	1192	1009	33	217	47.5	64.2	48.3				
132	76.3	73.2	1.50	19	10	9	0	1192	1009	33	217	47.5	64.2	48.3				
133	76.3	73.2	1.50	19	10	9	0	1192	1009	33	217	47.5	64.2	48.3				
134	75.1	72.7	1.51	19	8	11	0	1202	1060	48	237	45.8	64.3	46.8				
135	75.4	72.9	1.50	19	9	10	0	1192	1047	54	245	46.2	64.2	47.4				
136	74.9	72.4	1.53	19	8	11	0	1215	1071	56	239	45.0	64.2	46.3				
137	75.4	72.9	1.50	19	9	10	0	1194	1048	51	239	46.2	64.3	47.3				
138	75.4	72.9	1.50	19	9	10	0	1194	1048	51	239	46.2	64.3	47.3				
139	75.4	72.9	1.50	19	8	11	0	1192	1049	49	241	46.2	64.2	47.3				
140	75.4	72.9	1.50	19	9	10	0	1194	1048	51	239	46.2	64.3	47.3				
141	76.0	73.6	1.46	19	9	10	0	1158	1023	41	228	47.8	64.3	48.8				
142	75.7	73.4	1.47	19	9	10	0	1170	1033	39	228	47.4	64.2	48.2				
143	75.2	72.5	1.53	19	9	10	0	1216	1055	50	228	45.5	64.2	46.6				
144	76.0	73.5	1.47	19	9	10	0	1167	1024	41	226	47.6	64.3	48.5				
145	76.0	73.6	1.46	19	9	10	0	1164	1021	39	226	47.8	64.3	48.7				
146	76.0	73.5	1.47	19	9	10	0	1167	1024	39	226	47.6	64.3	48.5				
147	76.0	73.5	1.47	19	9	10	0	1167	1024	39	226	47.6	64.3	48.5				
mejor	81.0	78.2	1.01	N/A	10	15	0	804	811	23	189	52.9	64.4	54.2				
peor	64.9	45.4	4.33	N/A	4	8	2	3443	1495	204	326	-14.3	63.8	-13.6				
1	75.5	75.3	1.33	19	7	12	0	1055	1044	113	270	48.1	64.2	50.7				
2	74.8	76.5	1.23	19	7	12	0	981	1073	114	282	49.1	64.2	51.7				
3	74.2	76.6	1.21	19	7	12	0	963	1098	126	289	48.6	64.2	51.6				

4	73.0	76.6	1.20	19	6	13	0	951	1151	143	302	47.3	64.2	50.6
5	79.5	72.5	1.61	19	10	9	0	1283	874	56	239	48.0	64.2	49.3
6	79.7	75.7	1.37	19	10	9	0	1089	865	50	246	52.9	64.2	54.1
7	78.6	76.3	1.31	19	10	9	0	1040	910	63	253	52.7	64.2	54.2
8	76.4	76.4	1.27	19	9	10	0	1007	1004	88	274	50.7	64.1	52.7
9	75.5	74.1	1.41	19	7	12	0	1122	1045	121	270	46.3	64.1	49.1
10	75.1	76.2	1.26	19	8	11	0	1001	1062	117	279	48.8	64.2	51.5
11	74.5	76.3	1.24	19	8	11	0	987	1087	129	286	48.3	64.2	51.3
12	73.6	76.3	1.22	19	6	13	0	972	1124	138	293	47.5	64.2	50.7
13	79.5	70.8	1.76	19	10	9	0	1396	872	51	234	45.6	64.2	46.7
14	80.2	74.7	1.45	19	10	9	0	1155	845	49	234	51.9	64.2	53.0
15	79.0	74.6	1.44	19	10	9	0	1145	893	63	243	50.7	64.2	52.1
16	77.2	74.9	1.39	19	9	10	0	1102	971	79	266	49.5	64.2	51.3
17	79.6	69.5	1.87	19	10	9	0	1486	867	45	228	43.7	64.2	44.7
18	80.4	74.0	1.52	19	10	9	0	1205	836	45	232	51.0	64.2	52.0
19	79.4	74.0	1.49	19	10	9	0	1188	877	58	238	50.2	64.2	51.5
20	77.5	74.2	1.44	19	9	10	0	1145	960	75	262	48.8	64.2	50.5
21	75.5	74.2	1.40	19	7	12	0	1116	1045	106	266	46.8	64.2	49.2
22	74.7	75.7	1.28	19	7	12	0	1019	1076	112	276	48.2	64.2	50.8
23	74.1	75.9	1.26	19	7	12	0	1005	1101	122	283	47.7	64.2	50.5
24	73.4	76.0	1.24	19	6	13	0	986	1134	135	290	47.1	64.2	50.2
25	79.7	70.3	1.80	19	10	9	0	1434	864	34	224	45.2	64.1	46.0
26	80.6	74.9	1.45	19	10	9	0	1149	825	36	232	52.8	64.2	53.6
27	79.6	74.9	1.43	19	10	9	0	1139	869	49	237	51.7	64.2	52.8
28	77.4	74.9	1.39	19	9	10	0	1106	963	74	261	49.7	64.2	51.4
29	79.7	69.7	1.86	19	10	9	0	1479	863	33	224	44.2	64.1	45.0
30	80.7	74.7	1.47	19	10	9	0	1165	824	35	232	52.5	64.2	53.3
31	79.6	74.7	1.44	19	10	9	0	1148	868	48	237	51.5	64.2	52.6
32	77.4	74.7	1.40	19	9	10	0	1114	963	74	261	49.5	64.2	51.2

33	75.4	73.5	1.45	19	7	12	0	1155	1049	118	269	45.5	64.1	48.2
34	75.1	76.2	1.26	19	8	11	0	1001	1062	117	279	48.8	64.2	51.5
35	74.5	76.3	1.24	19	8	11	0	987	1087	129	286	48.3	64.2	51.3
36	73.6	76.3	1.22	19	6	13	0	972	1124	138	293	47.5	64.2	50.7
37	79.1	68.5	1.95	19	9	10	0	1550	889	45	224	41.7	64.2	42.7
38	79.9	73.9	1.51	19	10	9	0	1203	858	54	234	50.3	64.2	51.6
39	78.9	74.0	1.49	19	10	9	0	1182	898	65	243	49.6	64.2	51.1
40	77.2	74.8	1.39	19	9	10	0	1108	971	79	266	49.3	64.2	51.1
41	79.1	66.2	2.16	19	9	10	0	1720	891	42	220	37.7	64.2	38.7
42	80.1	72.9	1.59	19	10	9	0	1266	849	50	233	49.2	64.2	50.3
43	79.3	73.3	1.55	19	10	9	0	1231	881	58	238	49.0	64.2	50.4
44	77.5	74.0	1.46	19	9	10	0	1157	960	75	262	48.5	64.2	50.2
45	79.1	64.7	2.31	19	9	10	0	1840	892	42	220	34.9	64.2	35.8
46	79.9	70.9	1.76	19	10	9	0	1398	855	52	235	45.9	64.2	47.1
47	79.2	72.0	1.65	19	10	9	0	1311	884	60	239	47.1	64.2	48.4
48	77.2	72.5	1.57	19	9	10	0	1248	972	77	264	46.1	64.1	47.8
49	75.0	72.9	1.49	19	8	11	0	1187	1063	112	265	44.5	64.1	47.1
50	74.4	75.2	1.32	19	7	12	0	1047	1090	112	276	47.2	64.2	49.8
51	73.8	75.3	1.30	19	7	12	0	1033	1115	122	283	46.7	64.2	49.5
52	73.0	75.4	1.28	19	6	13	0	1014	1148	135	290	46.1	64.2	49.2
53	79.4	67.7	2.03	19	10	9	0	1610	879	37	228	40.7	64.0	41.5
54	80.3	74.2	1.49	19	10	9	0	1188	837	39	238	51.5	64.1	52.4
55	79.5	74.3	1.47	19	10	9	0	1169	873	48	239	50.9	64.1	52.0
56	77.4	74.8	1.39	19	9	10	0	1109	963	74	261	49.6	64.2	51.3
57	79.4	66.9	2.10	19	10	9	0	1669	879	36	228	39.3	64.0	40.1
58	80.3	74.0	1.52	19	10	9	0	1205	837	38	238	51.2	64.1	52.0
59	79.5	74.2	1.48	19	10	9	0	1179	873	47	239	50.7	64.1	51.8
60	77.4	74.7	1.41	19	9	10	0	1117	963	74	261	49.4	64.2	51.1
61	79.4	66.1	2.18	19	10	9	0	1733	879	38	228	37.8	64.0	38.6
62	80.3	73.2	1.57	19	10	9	0	1250	837	38	238	50.1	64.1	51.0

63	79.5	74.0	1.50	19	10	9	0	1189	873	47	239	50.5	64.1	51.5
64	77.4	74.5	1.42	19	9	10	0	1128	963	74	261	49.2	64.2	50.9
65	74.8	72.8	1.50	19	7	12	0	1191	1073	110	269	44.3	64.1	46.8
66	74.4	75.1	1.32	19	7	12	0	1050	1091	113	276	47.1	64.2	49.7
67	73.8	75.2	1.30	19	7	12	0	1037	1116	123	283	46.6	64.2	49.4
68	73.0	75.3	1.28	19	6	13	0	1018	1149	136	290	45.9	64.2	49.1
69	77.5	65.6	2.18	19	8	11	0	1734	957	33	227	36.0	64.0	36.8
70	79.5	73.6	1.53	19	9	10	0	1215	871	41	232	50.1	64.1	51.0
71	78.8	74.3	1.46	19	10	9	0	1162	903	49	239	50.4	64.2	51.5
72	77.2	75.5	1.34	19	9	10	0	1067	969	75	262	50.4	64.2	52.2
73	77.5	64.8	2.26	19	8	11	0	1796	958	35	228	34.5	64.0	35.3
74	79.5	73.2	1.56	19	9	10	0	1242	871	41	232	49.4	64.1	50.3
75	78.8	74.3	1.46	19	10	9	0	1162	903	49	239	50.4	64.2	51.5
76	77.2	75.5	1.34	19	9	10	0	1067	969	75	262	50.4	64.2	52.2
77	76.9	63.2	2.40	19	8	11	0	1906	982	34	226	31.4	64.0	32.2
78	79.5	73.0	1.58	19	9	10	0	1254	872	40	232	49.1	64.1	50.0
79	78.8	74.3	1.46	19	10	9	0	1162	903	49	239	50.4	64.2	51.5
80	77.2	75.5	1.34	19	9	10	0	1066	969	75	262	50.5	64.2	52.2
81	75.5	73.5	1.46	19	7	12	0	1159	1043	119	269	45.5	64.1	48.2
82	75.1	76.2	1.26	19	8	11	0	1001	1062	117	279	48.8	64.2	51.5
83	74.5	76.3	1.24	19	8	11	0	987	1087	129	286	48.3	64.2	51.3
84	73.6	76.3	1.22	19	6	13	0	972	1124	138	293	47.5	64.2	50.7
85	77.6	62.4	2.51	19	9	10	0	1992	954	64	231	29.3	64.0	30.8
86	80.5	72.6	1.63	19	10	9	0	1294	832	52	226	48.9	64.1	50.0
87	79.2	73.1	1.56	19	10	9	0	1241	884	64	237	48.6	64.2	50.1
88	77.2	74.8	1.39	19	9	10	0	1108	971	79	266	49.3	64.2	51.1
89	77.0	59.7	2.78	19	8	11	0	2214	980	48	214	23.9	64.1	25.0
90	80.7	71.7	1.71	19	10	9	0	1357	823	48	225	47.7	64.2	48.8
91	79.6	72.4	1.62	19	10	9	0	1291	868	59	233	47.9	64.2	49.3

92	77.5	74.0	1.46	19	9	10	0	1158	960	75	262	48.5	64.2	50.2
93	77.1	57.4	3.07	19	8	11	0	2439	974	51	215	18.7	64.2	19.8
94	80.1	68.2	2.00	19	10	9	0	1592	848	49	227	41.6	64.0	42.7
95	79.0	69.5	1.86	19	10	9	0	1477	893	60	235	42.9	64.1	44.3
96	76.4	70.0	1.75	19	9	10	0	1394	1006	78	265	41.8	64.0	43.6
97	74.5	71.4	1.60	19	8	11	0	1272	1084	113	262	42.0	64.1	44.6
98	73.8	74.0	1.39	19	7	12	0	1102	1117	111	275	45.3	64.2	47.9
99	73.2	74.1	1.37	19	7	12	0	1087	1142	121	282	44.8	64.2	47.6
100	72.5	74.3	1.34	19	6	13	0	1067	1173	132	288	44.3	64.1	47.4
101	79.1	64.0	2.38	19	10	9	0	1895	892	47	216	33.5	64.0	34.5
102	80.9	73.0	1.60	19	10	9	0	1274	814	38	234	50.1	64.1	50.9
103	79.2	72.4	1.62	19	10	8	1	1285	884	45	228	48.0	64.1	49.0
104	77.4	74.8	1.39	19	9	10	0	1108	963	74	261	49.6	64.2	51.3
105	78.9	62.3	2.56	19	10	9	0	2033	900	45	218	30.1	64.0	31.1
106	80.9	72.7	1.62	19	10	9	0	1291	814	37	234	49.7	64.1	50.5
107	79.2	72.3	1.63	19	10	8	1	1295	884	44	228	47.8	64.1	48.8
108	77.4	74.7	1.41	19	9	10	0	1117	963	74	261	49.4	64.2	51.1
109	79.1	60.7	2.75	19	10	9	0	2184	892	47	218	26.7	64.1	27.7
110	81.0	71.5	1.73	19	10	9	0	1373	811	38	234	47.8	64.1	48.7
111	79.3	71.5	1.69	19	10	8	1	1344	881	45	228	46.7	64.1	47.7
112	77.5	73.9	1.47	19	9	10	0	1166	960	75	261	48.3	64.2	50.0
113	74.3	71.8	1.56	19	7	12	0	1243	1093	108	269	42.6	64.0	45.1
114	73.7	74.0	1.39	19	7	12	0	1106	1118	112	275	45.2	64.1	47.7
115	73.2	74.0	1.37	19	7	12	0	1092	1143	122	282	44.7	64.2	47.5
116	72.4	74.2	1.35	19	6	13	0	1073	1176	135	289	44.0	64.1	47.1
117	76.5	61.5	2.57	19	8	11	0	2043	1002	44	217	27.5	63.9	28.5
118	79.1	72.4	1.62	19	9	10	0	1284	891	37	236	48.1	64.0	48.9
119	78.3	72.1	1.62	19	10	8	1	1290	926	45	229	46.9	64.2	47.9
120	77.2	75.5	1.34	19	9	10	0	1066	969	75	262	50.5	64.2	52.2
121	76.2	60.3	2.69	19	8	11	0	2142	1012	47	219	24.8	63.8	25.9

122	79.1	72.0	1.65	19	9	10	0	1312	891	37	236	47.4	64.0	48.2
123	78.3	72.1	1.62	19	10	8	1	1291	926	45	229	46.9	64.2	47.9
124	77.2	75.5	1.34	19	9	10	0	1067	969	75	262	50.4	64.2	52.2
125	76.1	59.2	2.81	19	8	11	0	2234	1016	43	220	22.7	63.8	23.7
126	79.1	71.8	1.67	19	9	10	0	1324	891	37	236	47.1	64.0	48.0
127	78.3	72.1	1.62	19	10	8	1	1290	926	45	229	46.9	64.2	47.9
128	77.2	75.5	1.34	19	9	10	0	1067	969	75	262	50.4	64.2	52.2
129	74.0	71.5	1.58	19	7	12	0	1258	1108	107	266	41.9	64.0	44.4
130	73.7	74.0	1.39	19	7	12	0	1106	1118	112	275	45.2	64.1	47.7
131	73.2	74.0	1.37	19	7	12	0	1092	1143	122	282	44.7	64.2	47.5
132	72.4	74.2	1.35	19	6	13	0	1073	1176	135	289	44.0	64.1	47.1
133	74.9	59.5	2.74	19	9	10	0	2175	1067	39	218	23.0	64.0	23.8
134	79.6	73.0	1.58	19	9	10	0	1257	867	36	233	49.3	64.1	50.1
135	79.0	74.1	1.48	19	9	10	0	1179	893	46	234	50.3	64.1	51.3
136	77.2	75.5	1.34	19	9	10	0	1065	969	75	262	50.5	64.2	52.2
137	74.9	59.1	2.78	19	9	10	0	2210	1067	39	218	22.1	64.0	23.0
138	79.6	72.9	1.59	19	9	10	0	1264	867	36	233	49.1	64.1	49.9
139	79.0	74.1	1.48	19	9	10	0	1179	893	46	234	50.3	64.1	51.3
140	77.2	75.5	1.34	19	9	10	0	1065	969	75	262	50.5	64.2	52.2
141	74.4	57.9	2.90	19	9	10	0	2302	1089	44	222	19.3	63.9	20.3
142	79.6	72.8	1.59	19	9	10	0	1265	867	36	233	49.1	64.1	49.9
143	79.0	74.1	1.48	19	9	10	0	1179	893	46	234	50.3	64.1	51.3
144	77.2	75.5	1.34	19	9	10	0	1065	969	75	262	50.5	64.2	52.2
145	75.5	75.5	1.31	19	8	11	0	1041	1043	115	272	48.4	64.2	51.0
146	75.0	76.7	1.22	19	8	11	0	969	1064	117	282	49.5	64.2	52.2
147	74.3	76.7	1.21	19	8	11	0	961	1096	127	290	48.7	64.2	51.7
148	73.1	76.6	1.20	19	7	12	0	952	1144	139	297	47.5	64.2	50.7
149	79.2	72.5	1.61	19	10	9	0	1280	888	60	243	47.7	64.2	49.1
150	79.6	75.4	1.39	19	10	9	0	1109	867	50	248	52.4	64.2	53.6

151	78.5	76.1	1.32	19	10	9	0	1050	915	71	252	52.2	64.2	53.8
152	76.8	76.5	1.27	19	9	10	0	1007	987	95	270	51.0	64.2	53.1
153	75.7	74.8	1.36	19	8	11	0	1085	1034	110	267	47.7	64.1	50.2
154	75.3	76.6	1.23	19	8	11	0	981	1050	113	277	49.7	64.2	52.3
155	74.5	76.4	1.23	19	8	11	0	981	1085	124	286	48.6	64.2	51.4
156	73.8	76.4	1.22	19	8	11	0	971	1116	131	290	47.9	64.2	50.9
157	79.8	71.0	1.75	19	10	9	0	1390	862	40	230	46.2	64.2	47.1
158	80.0	74.2	1.49	19	10	9	0	1183	853	45	240	51.1	64.2	52.2
159	78.9	74.6	1.44	19	10	9	0	1143	900	68	251	50.4	64.2	52.0
160	77.2	74.9	1.39	19	9	10	0	1103	973	91	274	49.1	64.2	51.2
161	79.9	69.8	1.85	19	10	9	0	1472	854	36	233	44.5	64.2	45.3
162	80.3	73.4	1.56	19	10	9	0	1238	840	37	235	50.3	64.2	51.2
163	79.4	74.2	1.48	19	10	9	0	1177	879	53	237	50.5	64.2	51.7
164	77.5	74.4	1.43	19	9	10	0	1139	957	75	261	49.0	64.2	50.7
165	75.4	74.4	1.39	19	7	12	0	1106	1047	111	266	46.8	64.1	49.4
166	74.7	76.0	1.26	19	6	13	0	1005	1076	115	279	48.4	64.2	51.1
167	74.2	76.1	1.25	19	7	12	0	995	1099	134	287	47.7	64.2	50.8
168	73.1	76.0	1.24	19	7	12	0	983	1145	151	294	46.5	64.2	50.0
169	79.7	70.4	1.80	19	10	9	0	1430	863	40	227	45.2	64.1	46.1
170	80.5	74.8	1.45	19	10	9	0	1153	829	42	233	52.5	64.2	53.4
171	79.3	74.9	1.42	19	10	9	0	1131	883	63	236	51.2	64.1	52.7
172	77.2	75.1	1.37	19	9	10	0	1091	969	88	263	49.6	64.2	51.6
173	79.8	69.7	1.86	19	10	9	0	1475	862	39	227	44.2	64.1	45.1
174	80.6	74.5	1.48	19	10	9	0	1177	828	41	233	52.0	64.2	52.9
175	79.3	74.9	1.42	19	10	9	0	1132	880	59	234	51.4	64.1	52.7
176	77.2	75.0	1.38	19	9	10	0	1098	969	88	263	49.4	64.2	51.4
177	75.6	74.2	1.41	19	8	11	0	1119	1041	112	267	46.7	64.1	49.2
178	75.3	76.6	1.24	19	8	11	0	982	1050	113	277	49.6	64.2	52.2
179	74.5	76.4	1.23	19	8	11	0	981	1085	124	286	48.6	64.2	51.4
180	73.8	76.4	1.22	19	8	11	0	971	1116	131	290	47.9	64.2	50.9

181	79.5	68.6	1.95	19	10	9	0	1552	874	37	227	42.2	64.0	43.0
182	79.9	73.6	1.53	19	10	9	0	1218	855	49	241	50.2	64.1	51.3
183	78.6	73.6	1.51	19	10	9	0	1200	912	69	249	48.8	64.1	50.4
184	77.1	74.6	1.41	19	9	10	0	1119	974	91	275	48.7	64.1	50.8
185	80.0	67.8	2.03	19	10	9	0	1617	852	39	229	41.1	64.1	42.0
186	80.2	73.1	1.58	19	10	9	0	1258	842	41	237	49.7	64.2	50.7
187	79.1	73.4	1.53	19	10	9	0	1220	891	54	236	49.2	64.2	50.4
188	77.5	74.4	1.43	19	9	10	0	1139	957	75	261	49.0	64.2	50.7
189	80.0	65.8	2.22	19	10	9	0	1767	852	41	229	37.5	64.1	38.5
190	80.0	71.0	1.75	19	10	9	0	1392	850	43	238	46.3	64.2	47.3
191	79.0	72.1	1.64	19	10	9	0	1302	896	56	236	47.1	64.2	48.4
192	77.5	73.0	1.53	19	9	10	0	1218	958	77	261	47.1	64.2	48.9
193	75.3	73.8	1.43	19	7	12	0	1137	1051	114	265	45.9	64.1	48.6
194	74.7	76.0	1.26	19	6	13	0	1005	1076	115	279	48.4	64.2	51.1
195	74.2	76.1	1.25	19	7	12	0	995	1099	134	287	47.7	64.2	50.8
196	73.1	76.0	1.24	19	7	12	0	983	1145	151	294	46.5	64.2	50.0
197	79.7	69.1	1.91	19	10	9	0	1522	863	41	225	43.0	64.0	44.0
198	80.4	74.5	1.47	19	10	9	0	1172	834	40	234	52.0	64.2	52.9
199	79.3	74.7	1.44	19	10	9	0	1144	880	58	236	51.1	64.1	52.4
200	77.2	75.1	1.37	19	9	10	0	1091	969	88	263	49.6	64.2	51.6
201	79.7	68.1	2.00	19	10	9	0	1588	863	40	225	41.5	64.0	42.4
202	80.4	74.1	1.50	19	10	9	0	1196	834	39	234	51.4	64.2	52.3
203	79.3	74.6	1.45	19	10	9	0	1153	880	57	236	50.9	64.1	52.2
204	77.2	75.0	1.38	19	9	10	0	1098	969	88	263	49.4	64.2	51.4
205	79.7	67.0	2.10	19	10	9	0	1669	865	39	226	39.6	64.0	40.5
206	80.4	73.2	1.58	19	10	9	0	1256	835	41	235	49.9	64.2	50.9
207	79.3	74.4	1.46	19	10	9	0	1164	880	57	236	50.7	64.1	52.0
208	77.2	74.8	1.39	19	9	10	0	1109	969	88	263	49.1	64.2	51.2
209	74.8	73.0	1.48	19	7	12	0	1178	1074	115	268	44.4	64.1	47.1

210	74.3	75.2	1.31	19	6	13	0	1042	1095	117	280	47.1	64.2	49.8
211	73.7	75.3	1.30	19	7	12	0	1032	1118	136	288	46.3	64.2	49.5
212	73.0	75.3	1.28	19	7	12	0	1021	1149	147	290	45.6	64.2	49.0
213	78.6	67.1	2.07	19	9	10	0	1645	910	32	227	39.3	64.1	40.0
214	79.9	74.1	1.50	19	10	9	0	1189	856	37	233	51.1	64.2	51.9
215	78.7	74.3	1.46	19	10	9	0	1161	908	57	236	50.1	64.1	51.4
216	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8
217	78.6	66.3	2.14	19	9	10	0	1700	911	34	228	37.9	64.1	38.7
218	79.9	73.7	1.53	19	10	9	0	1217	856	37	233	50.5	64.2	51.3
219	78.7	74.3	1.46	19	10	9	0	1161	908	57	236	50.1	64.1	51.4
220	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8
221	78.0	64.8	2.27	19	9	10	0	1808	936	35	227	34.7	64.1	35.5
222	79.9	73.5	1.55	19	10	9	0	1229	856	37	233	50.2	64.2	51.0
223	78.7	74.3	1.46	19	10	9	0	1161	908	57	236	50.1	64.1	51.4
224	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8
225	75.7	74.4	1.39	19	9	10	0	1109	1033	108	268	47.2	64.1	49.7
226	75.3	76.6	1.24	19	8	11	0	982	1050	113	277	49.6	64.2	52.2
227	74.5	76.4	1.23	19	8	11	0	981	1085	124	286	48.6	64.2	51.4
228	73.8	76.4	1.22	19	8	11	0	971	1116	131	290	47.9	64.2	50.9
229	79.4	66.4	2.15	19	10	9	0	1712	876	43	229	38.2	63.8	39.2
230	80.5	73.1	1.59	19	10	9	0	1263	832	46	238	49.7	64.0	50.8
231	79.3	73.1	1.56	19	10	9	0	1243	883	69	247	48.5	64.1	50.0
232	77.1	74.1	1.44	19	9	10	0	1147	974	91	275	48.1	64.1	50.2
233	78.8	63.5	2.42	19	10	9	0	1926	904	45	219	32.5	64.0	33.5
234	80.9	73.1	1.60	19	10	9	0	1269	812	38	233	50.2	64.2	51.1
235	79.8	73.3	1.55	19	10	9	0	1235	862	54	234	49.5	64.2	50.7
236	77.5	74.4	1.43	19	9	10	0	1138	957	75	261	49.0	64.2	50.8
237	78.9	60.8	2.72	19	10	9	0	2166	899	48	219	26.9	64.1	28.0
238	80.4	69.5	1.89	19	10	9	0	1499	836	43	236	44.2	64.1	45.1
239	79.2	70.4	1.78	19	10	9	0	1418	884	55	235	44.7	64.1	45.9

240	77.0	70.8	1.70	19	9	10	0	1350	979	76	262	43.5	64.0	45.3
241	75.5	73.9	1.43	19	7	12	0	1134	1044	113	266	46.2	64.1	48.8
242	74.7	76.0	1.26	19	6	13	0	1004	1076	115	279	48.5	64.2	51.1
243	74.2	76.1	1.25	19	7	12	0	995	1099	134	287	47.7	64.2	50.8
244	73.1	76.0	1.24	19	7	12	0	983	1145	151	294	46.5	64.2	50.0
245	78.3	65.4	2.22	19	10	9	0	1762	925	47	224	35.8	64.0	36.9
246	80.4	74.5	1.47	19	10	9	0	1171	834	40	234	52.0	64.2	52.9
247	80.0	74.7	1.45	19	10	9	0	1155	852	57	234	51.5	64.1	52.8
248	77.1	75.1	1.37	19	9	10	0	1091	977	90	265	49.3	64.1	51.4
249	78.3	64.5	2.31	19	10	9	0	1835	925	46	224	34.1	64.0	35.2
250	80.4	74.1	1.50	19	10	9	0	1196	834	39	234	51.4	64.2	52.3
251	80.0	74.5	1.46	19	10	9	0	1164	852	56	234	51.4	64.1	52.6
252	77.2	75.0	1.38	19	9	10	0	1098	969	88	263	49.4	64.2	51.4
253	78.8	63.3	2.44	19	10	9	0	1941	904	48	223	32.1	64.0	33.2
254	80.5	72.6	1.63	19	10	9	0	1294	832	42	235	49.1	64.2	50.0
255	80.1	73.8	1.53	19	10	9	0	1213	849	57	234	50.2	64.1	51.5
256	77.3	74.2	1.44	19	9	10	0	1147	966	89	263	48.3	64.2	50.3
257	74.3	72.0	1.55	19	7	12	0	1230	1094	113	268	42.8	64.0	45.4
258	73.7	74.1	1.38	19	6	13	0	1097	1122	116	279	45.2	64.2	47.9
259	73.1	74.1	1.37	19	7	12	0	1086	1144	134	287	44.5	64.2	47.6
260	72.4	74.1	1.35	19	7	12	0	1076	1176	146	289	43.7	64.1	47.1
261	76.1	63.7	2.33	19	8	11	0	1849	1017	48	229	31.6	63.8	32.7
262	79.5	73.5	1.54	19	10	9	0	1221	873	40	236	49.9	64.1	50.8
263	79.1	73.9	1.49	19	10	9	0	1187	891	55	234	49.9	64.1	51.2
264	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8
265	76.4	63.1	2.39	19	8	11	0	1904	1007	47	230	30.5	64.0	31.6
266	79.5	73.1	1.57	19	10	9	0	1249	873	40	236	49.2	64.1	50.1
267	79.1	73.9	1.49	19	10	9	0	1187	891	55	234	49.9	64.1	51.2
268	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8

269	76.4	62.2	2.49	19	8	11	0	1977	1007	47	230	28.8	64.0	29.9
270	79.5	72.8	1.59	19	10	9	0	1262	873	40	236	48.9	64.1	49.8
271	79.1	73.9	1.49	19	10	9	0	1188	891	55	234	49.9	64.1	51.1
272	77.2	75.3	1.36	19	9	10	0	1080	970	86	263	49.8	64.2	51.8
273	74.1	71.8	1.56	19	7	12	0	1240	1104	113	269	42.3	64.0	44.9
274	73.7	74.1	1.38	19	6	13	0	1096	1122	116	279	45.2	64.2	47.9
275	73.1	74.1	1.37	19	7	12	0	1087	1145	135	287	44.4	64.2	47.5
276	72.4	74.1	1.35	19	7	12	0	1076	1176	146	289	43.7	64.1	47.1
277	73.8	58.9	2.76	19	9	10	0	2196	1115	49	221	21.1	63.9	22.2
278	79.4	72.7	1.60	19	9	10	0	1271	876	39	236	48.7	64.1	49.6
279	78.9	74.5	1.44	19	10	9	0	1148	898	55	235	50.7	64.1	51.9
280	77.2	75.3	1.36	19	9	10	0	1078	970	86	263	49.9	64.2	51.9
281	73.8	58.6	2.79	19	9	10	0	2217	1115	49	221	20.6	63.9	21.7
282	79.4	72.6	1.61	19	9	10	0	1278	876	39	236	48.5	64.1	49.4
283	78.9	74.5	1.44	19	10	9	0	1148	898	55	235	50.7	64.1	51.9
284	77.2	75.3	1.36	19	9	10	0	1078	970	86	263	49.9	64.2	51.9
285	73.8	58.5	2.81	19	9	10	0	2231	1116	49	222	20.3	63.9	21.4
286	79.4	72.6	1.61	19	9	10	0	1279	876	39	236	48.5	64.1	49.4
287	78.9	74.5	1.44	19	10	9	0	1148	898	55	235	50.7	64.1	51.9
288	77.2	75.3	1.36	19	9	10	0	1078	970	86	263	49.9	64.2	51.9
289	68.9	76.2	1.15	19	6	13	0	915	1326	153	286	43.8	64.1	47.3
290	68.3	78.0	1.03	19	5	14	0	820	1352	155	288	45.4	64.2	49.0
291	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
292	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
293	75.8	72.1	1.57	19	9	10	0	1251	1032	43	228	45.4	64.3	46.4
294	75.3	76.5	1.24	19	8	11	0	986	1053	58	234	50.8	64.3	52.1
295	73.2	77.5	1.14	19	8	11	0	907	1142	93	251	49.7	64.3	51.8
296	70.1	76.9	1.13	19	7	12	0	895	1275	131	282	46.0	64.3	49.0
297	68.8	75.5	1.20	19	6	13	0	951	1329	152	287	42.9	64.1	46.4
298	68.3	77.8	1.04	19	5	14	0	829	1348	154	288	45.3	64.2	48.8

299	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
300	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
301	75.3	69.3	1.79	19	8	11	0	1424	1051	36	218	41.0	64.2	41.9
302	75.7	75.6	1.31	19	8	11	0	1039	1037	49	226	50.1	64.3	51.2
303	73.9	76.7	1.20	19	8	11	0	955	1111	80	245	49.6	64.3	51.4
304	70.8	76.4	1.17	19	7	12	0	930	1245	129	284	45.9	64.3	48.9
305	75.9	67.1	1.99	19	9	10	0	1585	1026	34	215	37.9	64.3	38.7
306	76.1	74.2	1.41	19	8	11	0	1124	1020	44	223	48.6	64.3	49.6
307	74.3	75.7	1.28	19	8	11	0	1018	1093	74	243	48.7	64.3	50.4
308	70.9	75.3	1.24	19	7	12	0	988	1241	126	285	44.7	64.3	47.6
309	68.7	75.1	1.22	19	6	13	0	972	1335	152	292	42.3	64.1	45.8
310	68.3	77.7	1.05	19	5	14	0	833	1350	155	290	45.1	64.1	48.7
311	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
312	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
313	76.2	68.9	1.84	19	8	11	0	1462	1015	31	212	41.1	64.3	41.8
314	76.2	75.5	1.33	19	9	10	0	1055	1014	46	225	50.3	64.3	51.4
315	74.4	76.4	1.23	19	8	11	0	979	1092	76	242	49.6	64.3	51.3
316	70.7	76.5	1.16	19	7	12	0	924	1249	124	283	46.1	64.4	48.9
317	76.5	67.7	1.96	19	9	10	0	1555	999	29	212	39.4	64.3	40.0
318	76.0	74.5	1.39	19	8	11	0	1108	1021	46	224	48.9	64.3	50.0
319	74.5	75.8	1.27	19	8	11	0	1013	1088	72	242	49.0	64.3	50.6
320	70.8	75.7	1.22	19	7	12	0	966	1242	123	282	45.3	64.4	48.1
321	68.6	75.0	1.22	19	6	13	0	972	1336	151	287	42.3	64.1	45.8
322	68.2	77.4	1.07	19	5	14	0	850	1355	153	288	44.6	64.1	48.2
323	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
324	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
325	74.9	66.9	1.99	19	7	12	0	1579	1070	33	212	37.0	64.2	37.8
326	75.9	74.4	1.40	19	9	10	0	1110	1025	43	223	48.9	64.3	49.8
327	73.8	75.8	1.26	19	8	11	0	1002	1117	80	244	48.4	64.3	50.2

328	70.9	76.3	1.18	19	7	12	0	939	1240	126	282	45.9	64.3	48.8
329	75.4	63.8	2.30	19	9	10	0	1826	1046	28	205	31.9	64.3	32.5
330	76.5	72.3	1.57	19	9	10	0	1247	1002	38	224	46.3	64.3	47.2
331	74.6	73.6	1.43	19	9	10	0	1139	1082	70	241	46.2	64.3	47.8
332	72.9	73.9	1.38	19	9	10	0	1097	1156	90	258	45.0	64.3	47.1
333	75.4	60.7	2.61	19	9	10	0	2078	1046	28	205	26.0	64.3	26.6
334	76.5	71.0	1.67	19	9	10	0	1329	1002	38	224	44.4	64.2	45.2
335	74.6	72.5	1.51	19	9	10	0	1203	1082	70	241	44.7	64.3	46.3
336	72.9	72.8	1.46	19	9	10	0	1161	1156	90	258	43.5	64.3	45.6
337	68.6	74.9	1.23	19	6	13	0	980	1337	150	292	42.1	64.1	45.5
338	68.3	77.7	1.05	19	5	14	0	833	1350	155	290	45.1	64.1	48.7
339	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
340	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
341	75.9	66.5	2.05	19	8	11	0	1627	1028	30	203	37.0	64.2	37.6
342	76.5	74.2	1.43	19	10	9	0	1134	1002	39	222	48.9	64.2	49.8
343	74.2	75.3	1.30	19	8	11	0	1036	1099	73	241	48.2	64.3	49.8
344	71.1	75.9	1.21	19	7	12	0	959	1232	123	281	45.7	64.4	48.5
345	75.5	63.4	2.34	19	9	10	0	1858	1042	28	207	31.3	64.1	31.9
346	76.2	72.4	1.55	19	9	10	0	1235	1013	37	221	46.3	64.2	47.2
347	74.0	73.6	1.42	19	8	11	0	1131	1107	68	240	45.9	64.4	47.4
348	71.9	74.2	1.34	19	7	12	0	1063	1198	105	267	44.4	64.4	46.9
349	75.5	60.9	2.59	19	9	10	0	2062	1042	28	207	26.5	64.1	27.1
350	76.2	71.9	1.59	19	9	10	0	1266	1013	37	221	45.6	64.2	46.5
351	74.0	73.2	1.45	19	8	11	0	1156	1107	68	240	45.3	64.4	46.8
352	71.9	74.0	1.35	19	7	12	0	1077	1198	105	267	44.1	64.4	46.5
353	68.7	74.8	1.24	19	6	13	0	983	1335	150	287	42.1	64.1	45.5
354	68.2	77.4	1.07	19	5	14	0	847	1356	154	287	44.7	64.2	48.2
355	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
356	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
357	74.3	62.4	2.39	19	8	11	0	1904	1095	23	205	29.0	64.3	29.6

358	77.1	73.7	1.48	19	10	9	0	1173	977	27	215	48.9	64.3	49.5
359	73.7	73.5	1.43	19	9	10	0	1133	1121	71	248	45.4	64.3	47.0
360	73.2	74.9	1.32	19	8	11	0	1047	1140	83	254	46.7	64.3	48.6
361	74.1	60.8	2.56	19	9	10	0	2035	1101	26	212	25.8	64.3	26.3
362	77.1	73.5	1.49	19	10	9	0	1187	975	27	214	48.6	64.3	49.2
363	73.8	73.2	1.45	19	9	10	0	1153	1117	69	246	45.1	64.3	46.7
364	73.3	74.7	1.33	19	8	11	0	1055	1136	85	253	46.6	64.4	48.5
365	74.1	59.0	2.76	19	9	10	0	2191	1101	26	212	22.1	64.3	22.7
366	77.1	73.2	1.51	19	10	9	0	1200	975	27	214	48.3	64.3	48.9
367	73.8	73.2	1.45	19	9	10	0	1153	1117	69	246	45.1	64.3	46.7
368	73.3	74.7	1.33	19	8	11	0	1055	1136	85	253	46.6	64.4	48.5
369	68.4	74.6	1.25	19	6	13	0	991	1344	150	286	41.7	64.1	45.1
370	68.1	77.0	1.09	19	5	14	0	864	1360	153	288	44.2	64.1	47.7
371	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
372	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
373	73.2	61.5	2.46	19	7	12	0	1955	1140	36	209	26.5	64.2	27.3
374	75.5	73.0	1.49	19	9	10	0	1188	1043	42	221	46.6	64.3	47.6
375	73.1	73.9	1.38	19	8	11	0	1101	1146	79	244	45.4	64.3	47.2
376	70.9	76.3	1.18	19	7	12	0	939	1240	126	282	45.9	64.3	48.8
377	72.7	55.9	3.07	19	8	10	1	2441	1163	33	197	14.6	64.1	15.3
378	75.8	70.4	1.71	19	9	10	0	1358	1032	39	219	43.0	64.2	43.8
379	73.9	71.8	1.56	19	9	10	0	1238	1111	69	241	43.2	64.3	44.8
380	72.2	72.0	1.50	19	9	10	0	1194	1183	89	259	42.1	64.3	44.1
381	72.6	52.3	3.55	19	8	10	1	2819	1165	33	198	5.7	64.1	6.4
382	75.9	68.4	1.88	19	9	10	0	1493	1026	36	219	40.0	64.2	40.8
383	73.9	70.3	1.67	19	9	10	0	1330	1111	69	241	41.1	64.3	42.6
384	72.2	70.5	1.62	19	9	10	0	1286	1183	89	259	39.9	64.3	42.0
385	68.6	74.9	1.23	19	6	13	0	980	1337	150	292	42.1	64.1	45.5
386	68.3	77.7	1.05	19	5	14	0	833	1350	155	290	45.1	64.1	48.7

387	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
388	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
389	75.6	62.3	2.45	19	9	10	0	1951	1038	37	197	29.0	64.2	29.8
390	76.2	73.2	1.50	19	10	9	0	1189	1013	41	222	47.3	64.2	48.3
391	73.8	74.4	1.36	19	8	11	0	1079	1115	76	243	46.7	64.3	48.4
392	71.1	75.9	1.21	19	7	12	0	959	1232	123	281	45.7	64.4	48.5
393	72.8	55.0	3.20	19	8	10	1	2543	1157	34	195	12.3	64.3	13.1
394	75.9	71.0	1.66	19	9	10	0	1319	1025	39	222	44.0	64.2	44.9
395	73.2	71.9	1.53	19	8	11	0	1219	1140	71	236	42.9	64.3	44.6
396	71.4	72.7	1.43	19	7	12	0	1140	1217	106	262	42.2	64.4	44.6
397	73.4	53.2	3.47	19	8	10	1	2755	1133	35	203	7.9	64.3	8.7
398	75.9	69.9	1.75	19	9	10	0	1395	1026	39	222	42.2	64.2	43.1
399	73.2	70.8	1.62	19	8	11	0	1289	1141	71	236	41.3	64.3	42.9
400	71.4	72.5	1.45	19	7	12	0	1154	1217	106	262	41.8	64.4	44.3
401	68.7	74.8	1.24	19	6	13	0	983	1335	150	287	42.1	64.1	45.5
402	68.2	77.4	1.07	19	5	14	0	847	1356	154	287	44.7	64.2	48.2
403	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
404	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
405	71.7	54.8	3.17	19	8	11	0	2518	1205	28	201	11.9	64.2	12.6
406	76.8	71.9	1.60	19	9	10	0	1275	990	32	224	46.1	64.2	46.8
407	73.0	70.8	1.61	19	8	11	0	1282	1152	72	243	41.2	64.4	42.8
408	71.8	72.2	1.48	19	7	12	0	1176	1201	89	256	42.1	64.3	44.1
409	71.2	52.2	3.49	19	8	11	0	2773	1227	33	210	5.3	64.1	6.0
410	76.4	70.9	1.68	19	9	10	0	1337	1004	33	225	44.3	64.2	45.0
411	72.7	69.8	1.68	19	8	11	0	1338	1162	74	243	39.6	64.4	41.3
412	71.6	71.2	1.55	19	7	12	0	1232	1211	91	256	40.5	64.3	42.6
413	71.8	51.4	3.64	19	8	11	0	2896	1200	33	202	3.1	64.3	3.8
414	76.4	70.7	1.70	19	9	10	0	1350	1004	33	225	44.0	64.2	44.7
415	72.7	69.8	1.68	19	8	11	0	1338	1162	74	243	39.6	64.4	41.3
416	71.6	71.2	1.55	19	7	12	0	1232	1211	91	256	40.5	64.3	42.6

417	68.0	73.5	1.31	19	5	14	0	1043	1362	154	289	39.9	64.1	43.5
418	67.9	76.9	1.09	19	4	15	0	869	1366	154	287	43.9	64.2	47.5
419	67.6	78.2	1.01	19	5	14	0	804	1378	168	296	44.8	64.2	48.7
420	64.9	76.7	1.06	19	4	15	0	840	1495	204	326	40.4	64.3	45.1
421	67.9	49.0	3.78	19	6	12	1	3008	1367	26	189	-3.3	64.0	-2.8
422	75.3	70.7	1.67	19	9	10	0	1329	1050	36	217	43.3	64.2	44.1
423	73.6	72.6	1.49	19	9	10	0	1183	1124	65	239	44.3	64.3	45.8
424	72.9	73.5	1.41	19	8	11	0	1119	1156	85	252	44.6	64.3	46.5
425	67.9	48.0	3.94	19	6	12	1	3129	1367	26	189	-6.2	64.0	-5.6
426	75.3	70.2	1.72	19	9	10	0	1364	1050	36	217	42.5	64.2	43.3
427	73.6	72.5	1.50	19	9	10	0	1190	1124	65	239	44.1	64.3	45.6
428	72.9	73.3	1.43	19	8	11	0	1133	1156	85	252	44.3	64.3	46.2
429	67.2	45.4	4.33	19	6	11	2	3443	1395	32	190	-14.3	63.9	-13.6
430	75.1	69.4	1.77	19	10	9	0	1407	1061	29	213	41.4	64.1	42.0
431	73.6	72.3	1.51	19	9	10	0	1204	1124	65	239	43.8	64.3	45.3
432	72.9	72.9	1.45	19	8	11	0	1155	1156	85	252	43.7	64.3	45.7

Tabla I.13: Resultados del MOT Challenge en el filtro de seguimiento.

I.9.2. Según las métricas de diferencia en el conteo de personas

Bloque	Conf	Nro. de Personas vs GT			Nro. de Tracklets vs GT			Nro. interpolado vs GT		
		Media	Mínima	Máxima	Media	Mínima	Máxima	Media	Mínima	Máxima
	mejor	0.67	0	4	0.37	0	2	0.39	0	2
	peor	1.14	0	5	0.60	0	4	0.60	0	4
1	1	0.67	0	4	0.56	0	3	0.55	0	3
1	2	0.67	0	4	0.47	0	3	0.47	0	3
1	3	0.67	0	4	0.51	0	4	0.49	0	3
1	4	0.67	0	4	0.44	0	3	0.44	0	3
1	5	0.67	0	4	0.43	0	3	0.42	0	3
1	6	0.67	0	4	0.41	0	3	0.41	0	3
1	7	0.67	0	4	0.48	0	4	0.47	0	4
1	8	0.67	0	4	0.44	0	3	0.44	0	3
1	9	0.67	0	4	0.41	0	3	0.41	0	3
1	10	0.67	0	4	0.50	0	4	0.49	0	4
1	11	1.14	0	5	0.56	0	3	0.55	0	3
1	12	1.14	0	5	0.53	0	2	0.53	0	2
1	13	1.14	0	5	0.54	0	2	0.52	0	2
1	14	1.14	0	5	0.46	0	2	0.47	0	2
1	15	1.14	0	5	0.37	0	2	0.39	0	2
1	16	1.14	0	5	0.42	0	2	0.43	0	2
1	17	1.14	0	5	0.60	0	3	0.60	0	3
1	18	1.14	0	5	0.45	0	3	0.45	0	3
1	19	1.14	0	5	0.50	0	2	0.51	0	2
1	20	1.14	0	5	0.54	0	3	0.53	0	3
1	mejor	0.67	0	4	0.34	0	2	0.34	0	2
1	peor	1.14	0	5	0.48	0	3	0.48	0	3
1	1	0.67	0	4	0.46	0	3	0.46	0	3
1	2	0.67	0	4	0.46	0	3	0.46	0	3
1	3	0.67	0	4	0.47	0	3	0.47	0	3

4	0.67	0	4	0.46	0	3	0.46	0	3
5	0.67	0	4	0.46	0	3	0.46	0	3
6	0.67	0	4	0.46	0	3	0.46	0	3
7	0.67	0	4	0.46	0	3	0.46	0	3
8	0.67	0	4	0.45	0	3	0.45	0	3
9	0.67	0	4	0.47	0	3	0.46	0	3
10	0.67	0	4	0.47	0	3	0.47	0	3
11	0.67	0	4	0.46	0	3	0.46	0	3
12	0.67	0	4	0.47	0	3	0.46	0	3
13	0.67	0	4	0.47	0	3	0.46	0	3
14	0.67	0	4	0.47	0	3	0.46	0	3
15	0.67	0	4	0.41	0	3	0.41	0	3
16	0.67	0	4	0.41	0	3	0.41	0	3
17	0.67	0	4	0.41	0	3	0.41	0	3
18	0.67	0	4	0.42	0	3	0.42	0	3
19	0.67	0	4	0.41	0	3	0.41	0	3
20	0.67	0	4	0.41	0	3	0.41	0	3
21	0.67	0	4	0.41	0	3	0.41	0	3
22	0.67	0	4	0.41	0	3	0.41	0	3
23	0.67	0	4	0.41	0	3	0.41	0	3
24	0.67	0	4	0.42	0	3	0.42	0	3
25	0.67	0	4	0.41	0	3	0.41	0	3
26	0.67	0	4	0.41	0	3	0.41	0	3
27	0.67	0	4	0.41	0	3	0.41	0	3
28	0.67	0	4	0.41	0	3	0.41	0	3
29	0.67	0	4	0.41	0	3	0.41	0	3
30	0.67	0	4	0.41	0	3	0.41	0	3
31	0.67	0	4	0.42	0	3	0.42	0	3
32	0.67	0	4	0.41	0	3	0.41	0	3
33	0.67	0	4	0.41	0	3	0.41	0	3

34	0.67	0	4	0.41	0	3	0.41	0	3			
35	0.67	0	4	0.41	0	3	0.41	0	3			
36	0.67	0	4	0.35	0	3	0.35	0	3			
37	0.67	0	4	0.36	0	3	0.36	0	3			
38	0.67	0	4	0.34	0	3	0.35	0	3			
39	0.67	0	4	0.35	0	3	0.35	0	3			
40	0.67	0	4	0.36	0	3	0.36	0	3			
41	0.67	0	4	0.34	0	2	0.34	0	2			
42	0.67	0	4	0.37	0	3	0.37	0	3			
43	0.67	0	4	0.37	0	3	0.37	0	3			
44	0.67	0	4	0.37	0	3	0.38	0	3			
45	0.67	0	4	0.37	0	3	0.37	0	3			
46	0.67	0	4	0.37	0	3	0.37	0	3			
47	0.67	0	4	0.37	0	3	0.38	0	3			
48	0.67	0	4	0.37	0	3	0.37	0	3			
49	0.67	0	4	0.37	0	3	0.37	0	3			
50	1.14	0	5	0.41	0	3	0.42	0	3			
51	1.14	0	5	0.39	0	3	0.41	0	3			
52	1.14	0	5	0.43	0	3	0.44	0	3			
53	1.14	0	5	0.39	0	3	0.40	0	3			
54	1.14	0	5	0.39	0	3	0.40	0	3			
55	1.14	0	5	0.39	0	3	0.41	0	3			
56	1.14	0	5	0.39	0	3	0.40	0	3			
57	1.14	0	5	0.42	0	3	0.43	0	3			
58	1.14	0	5	0.40	0	3	0.41	0	3			
59	1.14	0	5	0.48	0	3	0.48	0	3			
60	1.14	0	5	0.42	0	3	0.43	0	3			
61	1.14	0	5	0.42	0	3	0.43	0	3			
62	1.14	0	5	0.40	0	3	0.41	0	3			

63	1.14	0	5	0.42	0	3	0.43	0	3
64	1.14	0	5	0.46	0	2	0.47	0	2
65	1.14	0	5	0.46	0	2	0.47	0	2
66	1.14	0	5	0.42	0	2	0.43	0	2
67	1.14	0	5	0.42	0	2	0.43	0	2
68	1.14	0	5	0.43	0	2	0.44	0	2
69	1.14	0	5	0.42	0	2	0.43	0	2
70	1.14	0	5	0.43	0	2	0.44	0	2
71	1.14	0	5	0.37	0	2	0.39	0	2
72	1.14	0	5	0.38	0	2	0.39	0	2
73	1.14	0	5	0.40	0	3	0.41	0	3
74	1.14	0	5	0.37	0	2	0.39	0	2
75	1.14	0	5	0.37	0	2	0.39	0	2
76	1.14	0	5	0.37	0	2	0.39	0	2
77	1.14	0	5	0.37	0	2	0.39	0	2
78	1.14	0	5	0.43	0	2	0.43	0	2
79	1.14	0	5	0.43	0	2	0.43	0	2
80	1.14	0	5	0.46	0	3	0.46	0	3
81	1.14	0	5	0.43	0	2	0.43	0	2
82	1.14	0	5	0.43	0	2	0.43	0	2
83	1.14	0	5	0.43	0	2	0.43	0	2
84	1.14	0	5	0.43	0	2	0.43	0	2
85	1.14	0	5	0.42	0	2	0.43	0	2
86	1.14	0	5	0.43	0	2	0.44	0	2
87	1.14	0	5	0.46	0	3	0.47	0	3
88	1.14	0	5	0.42	0	2	0.43	0	2
89	1.14	0	5	0.42	0	2	0.43	0	2
90	1.14	0	5	0.42	0	2	0.43	0	2
91	1.14	0	5	0.42	0	2	0.43	0	2
92	1.14	0	5	0.39	0	2	0.41	0	2

93	1.14	0	5	0.40	0	2	0.41	0	2
94	1.14	0	5	0.45	0	3	0.46	0	3
95	1.14	0	5	0.39	0	2	0.41	0	2
96	1.14	0	5	0.39	0	2	0.41	0	2
97	1.14	0	5	0.39	0	2	0.41	0	2
98	1.14	0	5	0.39	0	2	0.41	0	2
99	1.14	0	5	0.41	0	3	0.42	0	3
100	1.14	0	5	0.39	0	3	0.41	0	3
101	1.14	0	5	0.40	0	3	0.41	0	3
102	1.14	0	5	0.39	0	3	0.41	0	3
103	1.14	0	5	0.39	0	3	0.41	0	3
104	1.14	0	5	0.39	0	3	0.41	0	3
105	1.14	0	5	0.39	0	3	0.41	0	3
106	1.14	0	5	0.42	0	3	0.43	0	3
107	1.14	0	5	0.40	0	3	0.41	0	3
108	1.14	0	5	0.43	0	3	0.43	0	3
109	1.14	0	5	0.40	0	3	0.41	0	3
110	1.14	0	5	0.40	0	3	0.41	0	3
111	1.14	0	5	0.40	0	3	0.41	0	3
112	1.14	0	5	0.40	0	3	0.41	0	3
113	1.14	0	5	0.38	0	2	0.39	0	2
114	1.14	0	5	0.37	0	2	0.39	0	2
115	1.14	0	5	0.41	0	2	0.42	0	2
116	1.14	0	5	0.38	0	2	0.39	0	2
117	1.14	0	5	0.38	0	2	0.39	0	2
118	1.14	0	5	0.38	0	2	0.39	0	2
119	1.14	0	5	0.38	0	2	0.39	0	2
120	1.14	0	5	0.42	0	2	0.43	0	2
121	1.14	0	5	0.39	0	2	0.41	0	2

2	122	1.14	0	5	0.42	0	3	0.43	0	3
	123	1.14	0	5	0.39	0	2	0.40	0	2
	124	1.14	0	5	0.39	0	2	0.40	0	2
	125	1.14	0	5	0.39	0	2	0.40	0	2
	126	1.14	0	5	0.39	0	2	0.40	0	2
	127	1.14	0	5	0.46	0	2	0.46	0	2
	128	1.14	0	5	0.42	0	2	0.43	0	2
	129	1.14	0	5	0.45	0	3	0.46	0	3
	130	1.14	0	5	0.42	0	2	0.43	0	2
	131	1.14	0	5	0.42	0	2	0.43	0	2
	132	1.14	0	5	0.42	0	2	0.43	0	2
	133	1.14	0	5	0.42	0	2	0.43	0	2
	134	1.14	0	5	0.46	0	2	0.47	0	2
	135	1.14	0	5	0.45	0	2	0.46	0	2
	136	1.14	0	5	0.47	0	3	0.48	0	3
	137	1.14	0	5	0.46	0	2	0.47	0	2
	138	1.14	0	5	0.46	0	2	0.47	0	2
	139	1.14	0	5	0.46	0	2	0.47	0	2
	140	1.14	0	5	0.46	0	2	0.47	0	2
	141	1.14	0	5	0.43	0	2	0.44	0	2
	142	1.14	0	5	0.43	0	2	0.44	0	2
	143	1.14	0	5	0.47	0	3	0.47	0	3
	144	1.14	0	5	0.42	0	2	0.43	0	2
	145	1.14	0	5	0.42	0	2	0.43	0	2
	146	1.14	0	5	0.42	0	2	0.43	0	2
	147	1.14	0	5	0.42	0	2	0.43	0	2
	mejor	0.67	0	4	0.33	0	2	0.33	0	2
	peor	1.14	0	5	2.58	0	9	2.13	0	8
	1	0.67	0	4	0.54	0	3	0.54	0	3
	2	0.67	0	4	0.52	0	4	0.52	0	4

3	0.67	0	4	0.58	0	4	0.58	0	4
4	0.67	0	4	0.66	0	4	0.66	0	4
5	0.67	0	4	0.58	0	4	0.57	0	4
6	0.67	0	4	0.41	0	3	0.41	0	3
7	0.67	0	4	0.43	0	3	0.43	0	3
8	0.67	0	4	0.53	0	3	0.53	0	3
9	0.67	0	4	0.52	0	3	0.52	0	3
10	0.67	0	4	0.49	0	4	0.49	0	4
11	0.67	0	4	0.54	0	4	0.54	0	4
12	0.67	0	4	0.60	0	4	0.60	0	4
13	0.67	0	4	0.64	0	4	0.62	0	4
14	0.67	0	4	0.41	0	3	0.41	0	3
15	0.67	0	4	0.41	0	3	0.41	0	3
16	0.67	0	4	0.50	0	3	0.50	0	3
17	0.67	0	4	0.75	0	4	0.70	0	4
18	0.67	0	4	0.47	0	3	0.47	0	3
19	0.67	0	4	0.45	0	3	0.45	0	3
20	0.67	0	4	0.53	0	3	0.54	0	3
21	0.67	0	4	0.52	0	3	0.52	0	3
22	0.67	0	4	0.49	0	4	0.49	0	4
23	0.67	0	4	0.54	0	4	0.54	0	4
24	0.67	0	4	0.60	0	4	0.60	0	4
25	0.67	0	4	0.67	0	4	0.64	0	4
26	0.67	0	4	0.41	0	3	0.41	0	3
27	0.67	0	4	0.40	0	3	0.40	0	3
28	0.67	0	4	0.49	0	3	0.49	0	3
29	0.67	0	4	0.72	0	4	0.67	0	4
30	0.67	0	4	0.43	0	3	0.43	0	3
31	0.67	0	4	0.40	0	3	0.40	0	3

32	0.67	0	4	0.50	0	3	0.50	0	3
33	0.67	0	4	0.54	0	3	0.54	0	3
34	0.67	0	4	0.49	0	4	0.49	0	4
35	0.67	0	4	0.54	0	4	0.54	0	4
36	0.67	0	4	0.60	0	4	0.60	0	4
37	0.67	0	4	0.80	0	7	0.75	0	6
38	0.67	0	4	0.45	0	3	0.45	0	3
39	0.67	0	4	0.43	0	3	0.43	0	3
40	0.67	0	4	0.51	0	3	0.51	0	3
41	0.67	0	4	1.01	0	7	0.93	0	6
42	0.67	0	4	0.52	0	3	0.52	0	3
43	0.67	0	4	0.48	0	3	0.48	0	3
44	0.67	0	4	0.55	0	3	0.55	0	3
45	0.67	0	4	1.16	0	7	1.07	0	6
46	0.67	0	4	0.67	0	3	0.66	0	3
47	0.67	0	4	0.57	0	3	0.57	0	3
48	0.67	0	4	0.64	0	3	0.64	0	3
49	0.67	0	4	0.57	0	3	0.56	0	3
50	0.67	0	4	0.50	0	4	0.50	0	4
51	0.67	0	4	0.55	0	4	0.55	0	4
52	0.67	0	4	0.61	0	4	0.61	0	4
53	0.67	0	4	0.87	0	6	0.81	0	5
54	0.67	0	4	0.43	0	3	0.43	0	3
55	0.67	0	4	0.41	0	3	0.41	0	3
56	0.67	0	4	0.49	0	3	0.50	0	3
57	0.67	0	4	0.93	0	6	0.86	0	5
58	0.67	0	4	0.45	0	3	0.45	0	3
59	0.67	0	4	0.42	0	3	0.42	0	3
60	0.67	0	4	0.50	0	3	0.51	0	3
61	0.67	0	4	1.01	0	6	0.93	0	5

62	0.67	0	4	0.50	0	3	0.49	0	3	
63	0.67	0	4	0.44	0	2	0.44	0	2	
64	0.67	0	4	0.52	0	3	0.52	0	3	
65	0.67	0	4	0.55	0	3	0.55	0	3	
66	0.67	0	4	0.50	0	4	0.50	0	4	
67	0.67	0	4	0.55	0	4	0.55	0	4	
68	0.67	0	4	0.61	0	4	0.61	0	4	
69	0.67	0	4	0.92	0	5	0.86	0	5	
70	0.67	0	4	0.43	0	3	0.43	0	3	
71	0.67	0	4	0.36	0	3	0.37	0	3	
72	0.67	0	4	0.46	0	3	0.47	0	3	
73	0.67	0	4	1.00	0	5	0.93	0	5	
74	0.67	0	4	0.46	0	3	0.45	0	3	
75	0.67	0	4	0.36	0	3	0.37	0	3	
76	0.67	0	4	0.46	0	3	0.47	0	3	
77	0.67	0	4	1.08	0	5	1.00	0	5	
78	0.67	0	4	0.45	0	3	0.44	0	3	
79	0.67	0	4	0.36	0	3	0.37	0	3	
80	0.67	0	4	0.46	0	3	0.46	0	3	
81	0.67	0	4	0.53	0	3	0.53	0	3	
82	0.67	0	4	0.49	0	4	0.49	0	4	
83	0.67	0	4	0.54	0	4	0.54	0	4	
84	0.67	0	4	0.60	0	4	0.60	0	4	
85	0.67	0	4	1.27	0	7	1.15	0	6	
86	0.67	0	4	0.54	0	4	0.53	0	4	
87	0.67	0	4	0.48	0	3	0.48	0	3	
88	0.67	0	4	0.51	0	3	0.51	0	3	
89	0.67	0	4	1.52	0	7	1.37	0	6	
90	0.67	0	4	0.61	0	4	0.60	0	4	

91	0.67	0	4	0.53	0	3	0.52	0	3
92	0.67	0	4	0.55	0	3	0.55	0	3
93	0.67	0	4	1.82	0	8	1.62	0	7
94	0.67	0	4	0.88	0	4	0.86	0	4
95	0.67	0	4	0.74	0	3	0.73	0	3
96	0.67	0	4	0.77	0	3	0.77	0	3
97	0.67	0	4	0.62	0	3	0.61	0	3
98	0.67	0	4	0.53	0	4	0.53	0	4
99	0.67	0	4	0.58	0	4	0.58	0	4
100	0.67	0	4	0.62	0	4	0.62	0	4
101	0.67	0	4	1.19	0	7	1.08	0	6
102	0.67	0	4	0.52	0	4	0.52	0	4
103	0.67	0	4	0.51	0	3	0.50	0	3
104	0.67	0	4	0.49	0	3	0.49	0	3
105	0.67	0	4	1.35	0	7	1.23	0	6
106	0.67	0	4	0.54	0	4	0.53	0	4
107	0.67	0	4	0.52	0	3	0.51	0	3
108	0.67	0	4	0.50	0	3	0.51	0	3
109	0.67	0	4	1.56	0	7	1.41	0	6
110	0.67	0	4	0.65	0	4	0.63	0	4
111	0.67	0	4	0.58	0	3	0.58	0	3
112	0.67	0	4	0.57	0	3	0.57	0	3
113	0.67	0	4	0.58	0	3	0.59	0	3
114	0.67	0	4	0.52	0	4	0.52	0	4
115	0.67	0	4	0.57	0	4	0.57	0	4
116	0.67	0	4	0.62	0	4	0.62	0	4
117	0.67	0	4	1.23	0	5	1.11	0	5
118	0.67	0	4	0.43	0	3	0.43	0	3
119	0.67	0	4	0.46	0	3	0.45	0	3
120	0.67	0	4	0.46	0	3	0.46	0	3

121	0.67	0	4	1.35	0	5	1.21	0	5
122	0.67	0	4	0.47	0	3	0.46	0	3
123	0.67	0	4	0.46	0	3	0.46	0	3
124	0.67	0	4	0.46	0	3	0.47	0	3
125	0.67	0	4	1.47	0	5	1.31	0	5
126	0.67	0	4	0.49	0	3	0.48	0	3
127	0.67	0	4	0.46	0	3	0.45	0	3
128	0.67	0	4	0.46	0	3	0.47	0	3
129	0.67	0	4	0.58	0	3	0.59	0	3
130	0.67	0	4	0.52	0	4	0.52	0	4
131	0.67	0	4	0.57	0	4	0.57	0	4
132	0.67	0	4	0.62	0	4	0.62	0	4
133	0.67	0	4	1.32	0	7	1.19	0	6
134	0.67	0	4	0.43	0	3	0.42	0	3
135	0.67	0	4	0.38	0	3	0.38	0	3
136	0.67	0	4	0.46	0	3	0.46	0	3
137	0.67	0	4	1.37	0	7	1.24	0	6
138	0.67	0	4	0.44	0	3	0.43	0	3
139	0.67	0	4	0.38	0	3	0.38	0	3
140	0.67	0	4	0.46	0	3	0.46	0	3
141	0.67	0	4	1.46	0	7	1.33	0	6
142	0.67	0	4	0.44	0	3	0.43	0	3
143	0.67	0	4	0.38	0	3	0.38	0	3
144	0.67	0	4	0.46	0	3	0.46	0	3
145	0.67	0	4	0.53	0	4	0.53	0	4
146	0.67	0	4	0.53	0	4	0.53	0	4
147	0.67	0	4	0.58	0	4	0.58	0	4
148	0.67	0	4	0.66	0	4	0.66	0	4
149	0.67	0	4	0.57	0	4	0.55	0	4

150	0.67	0	4	0.43	0	3	0.43	0	3
151	0.67	0	4	0.43	0	3	0.44	0	3
152	0.67	0	4	0.51	0	3	0.51	0	3
153	0.67	0	4	0.53	0	4	0.53	0	4
154	0.67	0	4	0.49	0	4	0.49	0	4
155	0.67	0	4	0.54	0	4	0.54	0	4
156	0.67	0	4	0.60	0	4	0.60	0	4
157	0.67	0	4	0.64	0	4	0.62	0	4
158	0.67	0	4	0.44	0	3	0.44	0	3
159	0.67	0	4	0.40	0	3	0.40	0	3
160	0.67	0	4	0.49	0	3	0.49	0	3
161	0.67	0	4	0.74	0	3	0.70	0	3
162	0.67	0	4	0.50	0	3	0.50	0	3
163	0.67	0	4	0.43	0	3	0.43	0	3
164	0.67	0	4	0.52	0	3	0.52	0	3
165	0.67	0	4	0.52	0	4	0.52	0	4
166	0.67	0	4	0.48	0	4	0.48	0	4
167	0.67	0	4	0.53	0	4	0.53	0	4
168	0.67	0	4	0.62	0	4	0.62	0	4
169	0.67	0	4	0.66	0	4	0.63	0	4
170	0.67	0	4	0.41	0	3	0.41	0	3
171	0.67	0	4	0.37	0	3	0.37	0	3
172	0.67	0	4	0.48	0	3	0.48	0	3
173	0.67	0	4	0.71	0	4	0.66	0	4
174	0.67	0	4	0.43	0	3	0.43	0	3
175	0.67	0	4	0.37	0	3	0.38	0	3
176	0.67	0	4	0.49	0	3	0.49	0	3
177	0.67	0	4	0.54	0	4	0.54	0	4
178	0.67	0	4	0.49	0	4	0.49	0	4
179	0.67	0	4	0.54	0	4	0.54	0	4

180	0.67	0	4	0.60	0	4	0.60	0	4
181	0.67	0	4	0.83	0	3	0.79	0	3
182	0.67	0	4	0.47	0	3	0.47	0	3
183	0.67	0	4	0.43	0	3	0.43	0	3
184	0.67	0	4	0.50	0	3	0.50	0	3
185	0.67	0	4	0.93	0	3	0.88	0	3
186	0.67	0	4	0.51	0	2	0.51	0	2
187	0.67	0	4	0.45	0	3	0.45	0	3
188	0.67	0	4	0.52	0	3	0.52	0	3
189	0.67	0	4	1.12	0	3	1.06	0	3
190	0.67	0	4	0.67	0	3	0.66	0	3
191	0.67	0	4	0.55	0	3	0.55	0	3
192	0.67	0	4	0.61	0	3	0.61	0	3
193	0.67	0	4	0.54	0	4	0.54	0	4
194	0.67	0	4	0.48	0	4	0.48	0	4
195	0.67	0	4	0.53	0	4	0.53	0	4
196	0.67	0	4	0.62	0	4	0.62	0	4
197	0.67	0	4	0.77	0	3	0.73	0	3
198	0.67	0	4	0.40	0	3	0.40	0	3
199	0.67	0	4	0.37	0	3	0.37	0	3
200	0.67	0	4	0.48	0	3	0.48	0	3
201	0.67	0	4	0.84	0	4	0.78	0	3
202	0.67	0	4	0.43	0	3	0.43	0	3
203	0.67	0	4	0.38	0	3	0.38	0	3
204	0.67	0	4	0.49	0	3	0.49	0	3
205	0.67	0	4	0.93	0	4	0.86	0	4
206	0.67	0	4	0.49	0	3	0.48	0	3
207	0.67	0	4	0.39	0	3	0.40	0	3
208	0.67	0	4	0.50	0	3	0.50	0	3

209	0.67	0	4	0.55	0	4	0.55	0	4
210	0.67	0	4	0.50	0	4	0.50	0	4
211	0.67	0	4	0.55	0	4	0.55	0	4
212	0.67	0	4	0.61	0	4	0.61	0	4
213	0.67	0	4	0.86	0	4	0.80	0	4
214	0.67	0	4	0.39	0	3	0.39	0	3
215	0.67	0	4	0.35	0	3	0.36	0	3
216	0.67	0	4	0.46	0	3	0.46	0	3
217	0.67	0	4	0.93	0	4	0.87	0	4
218	0.67	0	4	0.43	0	3	0.42	0	3
219	0.67	0	4	0.35	0	3	0.36	0	3
220	0.67	0	4	0.46	0	3	0.46	0	3
221	0.67	0	4	1.01	0	4	0.94	0	4
222	0.67	0	4	0.41	0	2	0.40	0	2
223	0.67	0	4	0.35	0	3	0.36	0	3
224	0.67	0	4	0.46	0	3	0.46	0	3
225	0.67	0	4	0.53	0	4	0.53	0	4
226	0.67	0	4	0.49	0	4	0.49	0	4
227	0.67	0	4	0.54	0	4	0.54	0	4
228	0.67	0	4	0.60	0	4	0.60	0	4
229	0.67	0	4	1.03	0	3	0.98	0	3
230	0.67	0	4	0.53	0	3	0.53	0	3
231	0.67	0	4	0.47	0	3	0.47	0	3
232	0.67	0	4	0.53	0	3	0.53	0	3
233	0.67	0	4	1.27	0	4	1.18	0	4
234	0.67	0	4	0.54	0	3	0.54	0	3
235	0.67	0	4	0.46	0	3	0.47	0	3
236	0.67	0	4	0.52	0	3	0.52	0	3
237	0.67	0	4	1.59	0	4	1.43	0	4
238	0.67	0	4	0.81	0	3	0.79	0	3

239	0.67	0	4	0.68	0	3	0.68	0	3
240	0.67	0	4	0.74	0	3	0.74	0	3
241	0.67	0	4	0.54	0	4	0.54	0	4
242	0.67	0	4	0.48	0	4	0.48	0	4
243	0.67	0	4	0.53	0	4	0.53	0	4
244	0.67	0	4	0.62	0	4	0.62	0	4
245	0.67	0	4	1.01	0	4	0.94	0	4
246	0.67	0	4	0.40	0	3	0.40	0	3
247	0.67	0	4	0.39	0	3	0.39	0	3
248	0.67	0	4	0.49	0	3	0.49	0	3
249	0.67	0	4	1.09	0	5	1.01	0	4
250	0.67	0	4	0.43	0	3	0.43	0	3
251	0.67	0	4	0.39	0	3	0.40	0	3
252	0.67	0	4	0.49	0	3	0.49	0	3
253	0.67	0	4	1.24	0	5	1.14	0	4
254	0.67	0	4	0.54	0	3	0.53	0	3
255	0.67	0	4	0.46	0	3	0.46	0	3
256	0.67	0	4	0.55	0	3	0.55	0	3
257	0.67	0	4	0.58	0	4	0.58	0	4
258	0.67	0	4	0.52	0	4	0.52	0	4
259	0.67	0	4	0.57	0	4	0.57	0	4
260	0.67	0	4	0.62	0	4	0.62	0	4
261	0.67	0	4	0.95	0	4	0.89	0	3
262	0.67	0	4	0.38	0	3	0.38	0	3
263	0.67	0	4	0.37	0	3	0.37	0	3
264	0.67	0	4	0.46	0	3	0.46	0	3
265	0.67	0	4	1.04	0	4	0.97	0	4
266	0.67	0	4	0.41	0	3	0.41	0	3
267	0.67	0	4	0.37	0	3	0.37	0	3

268	0.67	0	4	0.46	0	3	0.46	0	3
269	0.67	0	4	1.13	0	4	1.06	0	4
270	0.67	0	4	0.43	0	3	0.42	0	3
271	0.67	0	4	0.37	0	3	0.37	0	3
272	0.67	0	4	0.46	0	3	0.46	0	3
273	0.67	0	4	0.58	0	4	0.58	0	4
274	0.67	0	4	0.52	0	4	0.52	0	4
275	0.67	0	4	0.57	0	4	0.57	0	4
276	0.67	0	4	0.62	0	4	0.62	0	4
277	0.67	0	4	1.29	0	5	1.17	0	4
278	0.67	0	4	0.44	0	3	0.43	0	3
279	0.67	0	4	0.33	0	3	0.33	0	3
280	0.67	0	4	0.46	0	3	0.46	0	3
281	0.67	0	4	1.31	0	5	1.19	0	4
282	0.67	0	4	0.45	0	3	0.44	0	3
283	0.67	0	4	0.33	0	3	0.33	0	3
284	0.67	0	4	0.46	0	3	0.46	0	3
285	0.67	0	4	1.33	0	5	1.21	0	4
286	0.67	0	4	0.45	0	3	0.44	0	3
287	0.67	0	4	0.33	0	3	0.33	0	3
288	0.67	0	4	0.46	0	3	0.46	0	3
289	1.14	0	5	0.90	0	5	0.90	0	5
290	1.14	0	5	1.01	0	5	1.01	0	5
291	1.14	0	5	1.06	0	5	1.06	0	5
292	1.14	0	5	1.17	0	5	1.17	0	5
293	1.14	0	5	0.62	0	4	0.60	0	4
294	1.14	0	5	0.52	0	4	0.52	0	4
295	1.14	0	5	0.71	0	4	0.71	0	4
296	1.14	0	5	0.88	0	4	0.88	0	4
297	1.14	0	5	0.87	0	5	0.87	0	5

298	1.14	0	5	0.99	0	5	0.99	0	5
299	1.14	0	5	1.06	0	5	1.06	0	5
300	1.14	0	5	1.17	0	5	1.17	0	5
301	1.14	0	5	0.68	0	5	0.65	0	4
302	1.14	0	5	0.47	0	3	0.48	0	3
303	1.14	0	5	0.62	0	3	0.62	0	3
304	1.14	0	5	0.80	0	5	0.81	0	5
305	1.14	0	5	0.79	0	5	0.74	0	4
306	1.14	0	5	0.41	0	3	0.43	0	3
307	1.14	0	5	0.57	0	3	0.58	0	3
308	1.14	0	5	0.74	0	5	0.74	0	5
309	1.14	0	5	0.87	0	5	0.87	0	5
310	1.14	0	5	0.99	0	5	0.99	0	5
311	1.14	0	5	1.06	0	5	1.06	0	5
312	1.14	0	5	1.17	0	5	1.17	0	5
313	1.14	0	5	0.71	0	5	0.67	0	4
314	1.14	0	5	0.43	0	3	0.45	0	3
315	1.14	0	5	0.59	0	3	0.59	0	3
316	1.14	0	5	0.79	0	5	0.80	0	5
317	1.14	0	5	0.78	0	5	0.72	0	4
318	1.14	0	5	0.38	0	3	0.39	0	3
319	1.14	0	5	0.54	0	3	0.55	0	3
320	1.14	0	5	0.73	0	5	0.74	0	5
321	1.14	0	5	0.87	0	5	0.87	0	5
322	1.14	0	5	0.99	0	5	0.99	0	5
323	1.14	0	5	1.06	0	5	1.06	0	5
324	1.14	0	5	1.17	0	5	1.17	0	5
325	1.14	0	5	0.83	0	5	0.78	0	4
326	1.14	0	5	0.45	0	3	0.46	0	3

327	1.14	0	5	0.66	0	3	0.66	0	3
328	1.14	0	5	0.79	0	4	0.80	0	4
329	1.14	0	5	1.04	0	7	0.93	0	6
330	1.14	0	5	0.43	0	3	0.44	0	3
331	1.14	0	5	0.56	0	3	0.57	0	3
332	1.14	0	5	0.65	0	3	0.65	0	3
333	1.14	0	5	1.34	0	7	1.17	0	6
334	1.14	0	5	0.45	0	3	0.46	0	3
335	1.14	0	5	0.59	0	3	0.59	0	3
336	1.14	0	5	0.67	0	3	0.67	0	3
337	1.14	0	5	0.86	0	5	0.86	0	5
338	1.14	0	5	0.99	0	5	0.99	0	5
339	1.14	0	5	1.06	0	5	1.06	0	5
340	1.14	0	5	1.17	0	5	1.17	0	5
341	1.14	0	5	0.86	0	5	0.79	0	4
342	1.14	0	5	0.42	0	3	0.43	0	3
343	1.14	0	5	0.60	0	3	0.61	0	3
344	1.14	0	5	0.75	0	4	0.76	0	4
345	1.14	0	5	1.03	0	7	0.92	0	6
346	1.14	0	5	0.35	0	3	0.36	0	3
347	1.14	0	5	0.53	0	3	0.54	0	3
348	1.14	0	5	0.63	0	3	0.64	0	3
349	1.14	0	5	1.23	0	7	1.08	0	6
350	1.14	0	5	0.34	0	3	0.35	0	3
351	1.14	0	5	0.52	0	3	0.54	0	3
352	1.14	0	5	0.61	0	3	0.62	0	3
353	1.14	0	5	0.88	0	5	0.88	0	5
354	1.14	0	5	0.98	0	5	0.98	0	5
355	1.14	0	5	1.06	0	5	1.06	0	5
356	1.14	0	5	1.17	0	5	1.17	0	5

357	1.14	0	5	1.06	0	5	0.92	0	4
358	1.14	0	5	0.37	0	2	0.39	0	2
359	1.14	0	5	0.49	0	2	0.49	0	2
360	1.14	0	5	0.60	0	3	0.61	0	3
361	1.14	0	5	1.16	0	7	1.02	0	6
362	1.14	0	5	0.35	0	2	0.37	0	2
363	1.14	0	5	0.46	0	2	0.47	0	2
364	1.14	0	5	0.59	0	3	0.59	0	3
365	1.14	0	5	1.34	0	7	1.17	0	6
366	1.14	0	5	0.33	0	2	0.35	0	2
367	1.14	0	5	0.46	0	2	0.47	0	2
368	1.14	0	5	0.59	0	3	0.59	0	3
369	1.14	0	5	0.87	0	5	0.87	0	5
370	1.14	0	5	0.98	0	5	0.98	0	5
371	1.14	0	5	1.06	0	5	1.06	0	5
372	1.14	0	5	1.17	0	5	1.17	0	5
373	1.14	0	5	1.22	0	5	1.09	0	4
374	1.14	0	5	0.47	0	3	0.48	0	3
375	1.14	0	5	0.66	0	3	0.66	0	3
376	1.14	0	5	0.79	0	4	0.80	0	4
377	1.14	0	5	1.68	0	7	1.42	0	6
378	1.14	0	5	0.48	0	3	0.50	0	3
379	1.14	0	5	0.56	0	3	0.57	0	3
380	1.14	0	5	0.64	0	3	0.65	0	3
381	1.14	0	5	2.12	0	7	1.76	0	6
382	1.14	0	5	0.59	0	3	0.60	0	3
383	1.14	0	5	0.62	0	3	0.63	0	3
384	1.14	0	5	0.70	0	3	0.71	0	3
385	1.14	0	5	0.86	0	5	0.86	0	5

386	1.14	0	5	0.99	0	5	0.99	0	5
387	1.14	0	5	1.06	0	5	1.06	0	5
388	1.14	0	5	1.17	0	5	1.17	0	5
389	1.14	0	5	1.23	0	5	1.10	0	4
390	1.14	0	5	0.44	0	3	0.45	0	3
391	1.14	0	5	0.64	0	3	0.65	0	3
392	1.14	0	5	0.75	0	4	0.76	0	4
393	1.14	0	5	1.75	0	8	1.51	0	7
394	1.14	0	5	0.41	0	3	0.42	0	3
395	1.14	0	5	0.57	0	3	0.58	0	3
396	1.14	0	5	0.67	0	3	0.68	0	3
397	1.14	0	5	2.01	0	8	1.73	0	7
398	1.14	0	5	0.46	0	3	0.47	0	3
399	1.14	0	5	0.61	0	3	0.62	0	3
400	1.14	0	5	0.65	0	3	0.66	0	3
401	1.14	0	5	0.88	0	5	0.88	0	5
402	1.14	0	5	0.98	0	5	0.98	0	5
403	1.14	0	5	1.06	0	5	1.06	0	5
404	1.14	0	5	1.17	0	5	1.17	0	5
405	1.14	0	5	1.67	0	7	1.46	0	6
406	1.14	0	5	0.38	0	3	0.39	0	3
407	1.14	0	5	0.58	0	3	0.54	0	3
408	1.14	0	5	0.60	0	3	0.60	0	3
409	1.14	0	5	1.91	0	7	1.63	0	6
410	1.14	0	5	0.38	0	3	0.39	0	3
411	1.14	0	5	0.59	0	3	0.56	0	3
412	1.14	0	5	0.61	0	3	0.61	0	3
413	1.14	0	5	2.11	0	9	1.83	0	8
414	1.14	0	5	0.40	0	3	0.41	0	3
415	1.14	0	5	0.59	0	3	0.56	0	3

416	1.14	0	5	0.61	0	3	0.61	0	3
417	1.14	0	5	0.86	0	5	0.87	0	5
418	1.14	0	5	0.98	0	5	0.98	0	5
419	1.14	0	5	1.06	0	5	1.06	0	5
420	1.14	0	5	1.17	0	5	1.17	0	5
421	1.14	0	5	2.04	0	7	1.70	0	6
422	1.14	0	5	0.40	0	3	0.40	0	3
423	1.14	0	5	0.44	0	2	0.46	0	2
424	1.14	0	5	0.57	0	3	0.58	0	3
425	1.14	0	5	2.20	0	7	1.82	0	6
426	1.14	0	5	0.40	0	3	0.40	0	3
427	1.14	0	5	0.44	0	2	0.45	0	2
428	1.14	0	5	0.58	0	3	0.58	0	3
429	1.14	0	5	2.58	0	7	2.13	0	6
430	1.14	0	5	0.43	0	3	0.43	0	3
431	1.14	0	5	0.46	0	3	0.47	0	3
432	1.14	0	5	0.60	0	3	0.60	0	3

Tabla I.14: Diferencias contra el Ground Truth (GT) en el conteo de personas, en el filtro de seguimiento.

I.9.3. Según las métricas de tiempos máximos y promedio de procesamiento por frame

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
1	mejor	0.00355	0.00049	0.01670	0.00231	0.02333
	peor	0.00373	0.00054	0.03930	0.13188	0.17360
	1	0.00356	0.00052	0.03764	0.13188	0.17360
	2	0.00359	0.00051	0.03921	0.00254	0.04584
	3	0.00359	0.00051	0.03919	0.00258	0.04587
	4	0.00356	0.00052	0.03890	0.00256	0.04554
	5	0.00359	0.00050	0.03893	0.00248	0.04550
	6	0.00359	0.00051	0.03906	0.00248	0.04564
	7	0.00356	0.00050	0.03924	0.00269	0.04600
	8	0.00360	0.00052	0.03906	0.00331	0.04649
	9	0.00361	0.00051	0.03930	0.00286	0.04628
	10	0.00358	0.00051	0.03921	0.00413	0.04743
	11	0.00355	0.00052	0.01670	0.11526	0.13602
	12	0.00357	0.00049	0.01716	0.00234	0.02356
	13	0.00361	0.00052	0.01709	0.00254	0.02376
	14	0.00356	0.00051	0.01694	0.00237	0.02339
	15	0.00360	0.00049	0.01693	0.00231	0.02333
	16	0.00361	0.00050	0.01707	0.00238	0.02356
	17	0.00373	0.00054	0.01725	0.00259	0.02411
	18	0.00357	0.00052	0.01702	0.00296	0.02408
	19	0.00361	0.00052	0.01699	0.00264	0.02375
	20	0.00360	0.00050	0.01693	0.00364	0.02466
2	mejor	0.00355	0.00049	0.01684	0.00230	0.02328
	peor	0.00364	0.00055	0.03922	0.00308	0.04635
	1	0.00356	0.00050	0.03921	0.00265	0.04593
	2	0.00357	0.00053	0.03895	0.00276	0.04581
	3	0.00357	0.00053	0.03922	0.00280	0.04611
	4	0.00356	0.00052	0.03904	0.00273	0.04585
	5	0.00356	0.00050	0.03863	0.00264	0.04534
	6	0.00358	0.00053	0.03881	0.00275	0.04566
	7	0.00356	0.00051	0.03878	0.00269	0.04554
	8	0.00357	0.00052	0.03885	0.00251	0.04544
	9	0.00357	0.00052	0.03883	0.00256	0.04549
	10	0.00356	0.00050	0.03903	0.00246	0.04556
	11	0.00356	0.00051	0.03884	0.00248	0.04539
	12	0.00356	0.00052	0.03886	0.00250	0.04544
	13	0.00357	0.00051	0.03895	0.00247	0.04549
	14	0.00358	0.00051	0.03906	0.00252	0.04567
	15	0.00357	0.00051	0.03881	0.00246	0.04534
	16	0.00357	0.00051	0.03902	0.00247	0.04556

17	0.00358	0.00050	0.03917	0.00244	0.04569
18	0.00356	0.00051	0.03914	0.00245	0.04566
19	0.00358	0.00052	0.03898	0.00251	0.04559
20	0.00356	0.00051	0.03902	0.00248	0.04556
21	0.00357	0.00051	0.03906	0.00245	0.04559
22	0.00358	0.00051	0.03882	0.00293	0.04584
23	0.00355	0.00051	0.03905	0.00301	0.04613
24	0.00356	0.00052	0.03880	0.00300	0.04588
25	0.00358	0.00052	0.03887	0.00305	0.04601
26	0.00356	0.00052	0.03897	0.00303	0.04607
27	0.00358	0.00051	0.03910	0.00297	0.04615
28	0.00356	0.00052	0.03901	0.00302	0.04612
29	0.00359	0.00051	0.03920	0.00306	0.04635
30	0.00357	0.00051	0.03893	0.00294	0.04595
31	0.00356	0.00053	0.03916	0.00308	0.04633
32	0.00356	0.00051	0.03897	0.00300	0.04605
33	0.00357	0.00050	0.03890	0.00296	0.04593
34	0.00357	0.00050	0.03892	0.00294	0.04594
35	0.00358	0.00051	0.03890	0.00300	0.04599
36	0.00357	0.00051	0.03903	0.00295	0.04606
37	0.00356	0.00050	0.03869	0.00292	0.04567
38	0.00356	0.00053	0.03894	0.00306	0.04608
39	0.00358	0.00051	0.03895	0.00294	0.04598
40	0.00359	0.00051	0.03883	0.00300	0.04592
41	0.00357	0.00052	0.03891	0.00305	0.04605
42	0.00357	0.00051	0.03898	0.00297	0.04603
43	0.00360	0.00051	0.03898	0.00299	0.04609
44	0.00357	0.00050	0.03920	0.00295	0.04622
45	0.00358	0.00051	0.03916	0.00302	0.04628
46	0.00356	0.00050	0.03894	0.00294	0.04595
47	0.00357	0.00051	0.03888	0.00296	0.04592
48	0.00358	0.00051	0.03887	0.00295	0.04591
49	0.00360	0.00051	0.03891	0.00292	0.04594
50	0.00357	0.00050	0.01695	0.00253	0.02355
51	0.00358	0.00049	0.01693	0.00249	0.02349
52	0.00357	0.00050	0.01693	0.00250	0.02350
53	0.00359	0.00052	0.01704	0.00258	0.02373
54	0.00357	0.00050	0.01705	0.00254	0.02367
55	0.00357	0.00050	0.01694	0.00251	0.02352
56	0.00359	0.00049	0.01703	0.00253	0.02364
57	0.00356	0.00050	0.01692	0.00236	0.02334
58	0.00355	0.00051	0.01710	0.00235	0.02352
59	0.00358	0.00052	0.01703	0.00237	0.02349
60	0.00356	0.00051	0.01690	0.00237	0.02333
61	0.00358	0.00051	0.01703	0.00241	0.02352

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	62	0.00357	0.00050	0.01694	0.00236	0.02338
	63	0.00356	0.00050	0.01690	0.00237	0.02334
	64	0.00355	0.00050	0.01693	0.00231	0.02330
	65	0.00358	0.00050	0.01707	0.00230	0.02345
	66	0.00356	0.00050	0.01694	0.00232	0.02332
	67	0.00357	0.00050	0.01707	0.00232	0.02346
	68	0.00357	0.00050	0.01692	0.00230	0.02328
	69	0.00356	0.00050	0.01690	0.00233	0.02329
	70	0.00355	0.00052	0.01711	0.00237	0.02355
	71	0.00357	0.00050	0.01698	0.00278	0.02383
	72	0.00358	0.00050	0.01688	0.00279	0.02375
	73	0.00359	0.00049	0.01696	0.00282	0.02386
	74	0.00360	0.00050	0.01716	0.00280	0.02406
	75	0.00359	0.00050	0.01705	0.00278	0.02392
	76	0.00358	0.00050	0.01697	0.00281	0.02386
	77	0.00359	0.00052	0.01700	0.00284	0.02394
	78	0.00357	0.00050	0.01690	0.00275	0.02372
	79	0.00359	0.00051	0.01698	0.00286	0.02395
	80	0.00359	0.00051	0.01700	0.00282	0.02391
	81	0.00357	0.00051	0.01703	0.00291	0.02402
	82	0.00355	0.00050	0.01702	0.00280	0.02388
	83	0.00357	0.00050	0.01701	0.00276	0.02383
	84	0.00356	0.00050	0.01687	0.00284	0.02377
	85	0.00358	0.00055	0.01714	0.00282	0.02409
	86	0.00357	0.00053	0.01703	0.00296	0.02409
	87	0.00357	0.00052	0.01698	0.00289	0.02396
	88	0.00358	0.00050	0.01705	0.00277	0.02390
	89	0.00358	0.00051	0.01704	0.00287	0.02400
	90	0.00357	0.00051	0.01707	0.00285	0.02401
	91	0.00358	0.00050	0.01685	0.00284	0.02377
	92	0.00357	0.00050	0.01694	0.00276	0.02376
	93	0.00357	0.00051	0.01700	0.00281	0.02388
	94	0.00358	0.00050	0.01695	0.00277	0.02379
2	95	0.00358	0.00053	0.01697	0.00289	0.02396
	96	0.00356	0.00050	0.01687	0.00275	0.02368
	97	0.00358	0.00051	0.01698	0.00281	0.02389
	98	0.00356	0.00052	0.01706	0.00283	0.02397
	99	0.00357	0.00051	0.01699	0.00254	0.02361
	100	0.00360	0.00051	0.01704	0.00259	0.02375
	101	0.00357	0.00051	0.01697	0.00252	0.02356
	102	0.00358	0.00050	0.01705	0.00253	0.02365
	103	0.00359	0.00049	0.01699	0.00251	0.02359
	104	0.00357	0.00050	0.01695	0.00253	0.02356
	105	0.00357	0.00049	0.01689	0.00250	0.02344
	106	0.00355	0.00050	0.01695	0.00234	0.02335
	107	0.00357	0.00052	0.01690	0.00241	0.02340

	108	0.00359	0.00050	0.01712	0.00237	0.02357
	109	0.00357	0.00051	0.01693	0.00238	0.02339
	110	0.00357	0.00050	0.01702	0.00236	0.02345
	111	0.00359	0.00053	0.01708	0.00241	0.02360
	112	0.00357	0.00050	0.01687	0.00235	0.02329
	113	0.00356	0.00051	0.01696	0.00241	0.02344
	114	0.00357	0.00051	0.01696	0.00236	0.02341
	115	0.00358	0.00052	0.01707	0.00234	0.02351
	116	0.00357	0.00051	0.01692	0.00234	0.02335
	117	0.00358	0.00052	0.01705	0.00238	0.02353
	118	0.00355	0.00050	0.01696	0.00232	0.02333
	119	0.00356	0.00051	0.01703	0.00237	0.02347
	120	0.00359	0.00050	0.01690	0.00271	0.02370
	121	0.00358	0.00051	0.01706	0.00281	0.02396
2	122	0.00358	0.00050	0.01689	0.00279	0.02376
	123	0.00358	0.00051	0.01714	0.00289	0.02412
	124	0.00356	0.00050	0.01687	0.00280	0.02373
	125	0.00357	0.00050	0.01699	0.00277	0.02383
	126	0.00358	0.00050	0.01689	0.00280	0.02376
	127	0.00358	0.00052	0.01697	0.00290	0.02397
	128	0.00357	0.00050	0.01704	0.00283	0.02394
	129	0.00359	0.00051	0.01691	0.00293	0.02394
	130	0.00356	0.00050	0.01690	0.00282	0.02378
	131	0.00357	0.00051	0.01685	0.00281	0.02374
	132	0.00357	0.00050	0.01698	0.00283	0.02388
	133	0.00359	0.00051	0.01695	0.00292	0.02396
	134	0.00357	0.00051	0.01698	0.00286	0.02391
	135	0.00358	0.00052	0.01696	0.00285	0.02391
	136	0.00357	0.00050	0.01692	0.00280	0.02378
	137	0.00357	0.00049	0.01699	0.00277	0.02382
	138	0.00364	0.00051	0.01699	0.00282	0.02396
	139	0.00357	0.00050	0.01692	0.00279	0.02378
	140	0.00358	0.00050	0.01695	0.00277	0.02379
2	141	0.00358	0.00050	0.01710	0.00284	0.02403
	142	0.00359	0.00050	0.01710	0.00285	0.02404
	143	0.00359	0.00050	0.01707	0.00284	0.02400
	144	0.00357	0.00050	0.01684	0.00276	0.02366
	145	0.00358	0.00053	0.01693	0.00279	0.02383
	146	0.00358	0.00050	0.01704	0.00279	0.02390
	147	0.00358	0.00052	0.01690	0.00291	0.02391
	mejor	0.00354	0.00049	0.01681	0.00241	0.02337
	peor	0.00368	0.00054	0.03983	0.00345	0.04705
	1	0.00357	0.00051	0.03902	0.00287	0.04597
	2	0.00358	0.00053	0.03901	0.00290	0.04601
	3	0.00359	0.00051	0.03896	0.00278	0.04584
	4	0.00357	0.00050	0.03910	0.00271	0.04589

3

	5	0.00358	0.00052	0.03898	0.00306	0.04615
	6	0.00358	0.00053	0.03917	0.00298	0.04626
	7	0.00357	0.00051	0.03894	0.00294	0.04595
	8	0.00357	0.00052	0.03875	0.00292	0.04577
	9	0.00357	0.00052	0.03908	0.00293	0.04610
	10	0.00356	0.00050	0.03916	0.00283	0.04605
	11	0.00356	0.00051	0.03910	0.00282	0.04599
	12	0.00359	0.00051	0.03896	0.00274	0.04580
	13	0.00358	0.00050	0.03879	0.00300	0.04588
	14	0.00357	0.00051	0.03918	0.00298	0.04624
	15	0.00358	0.00053	0.03906	0.00309	0.04626
	16	0.00356	0.00051	0.03904	0.00294	0.04605
	17	0.00357	0.00052	0.03910	0.00311	0.04630
	18	0.00357	0.00051	0.03888	0.00300	0.04596
	19	0.00363	0.00052	0.03983	0.00307	0.04705
	20	0.00357	0.00053	0.03900	0.00301	0.04610
	21	0.00356	0.00052	0.03898	0.00299	0.04605
	22	0.00357	0.00051	0.03899	0.00282	0.04589
	23	0.00356	0.00052	0.03884	0.00287	0.04579
	24	0.00360	0.00051	0.03909	0.00276	0.04596
	25	0.00360	0.00052	0.03904	0.00312	0.04628
	26	0.00358	0.00051	0.03956	0.00302	0.04668
	27	0.00360	0.00052	0.03909	0.00297	0.04617
	28	0.00357	0.00051	0.03878	0.00290	0.04576
	29	0.00356	0.00051	0.03886	0.00310	0.04602
	30	0.00358	0.00051	0.03902	0.00303	0.04614
	31	0.00356	0.00051	0.03891	0.00300	0.04598
	32	0.00360	0.00052	0.03917	0.00300	0.04628
	33	0.00358	0.00052	0.03893	0.00291	0.04594
	34	0.00355	0.00051	0.03899	0.00279	0.04585
	35	0.00356	0.00051	0.03893	0.00277	0.04577
	36	0.00360	0.00051	0.03905	0.00281	0.04597
	37	0.00358	0.00051	0.03903	0.00308	0.04620
	38	0.00356	0.00051	0.03881	0.00297	0.04585
	39	0.00356	0.00051	0.03899	0.00294	0.04601
	40	0.00358	0.00054	0.03884	0.00307	0.04603
3	41	0.00357	0.00052	0.03884	0.00314	0.04607
	42	0.00356	0.00051	0.03900	0.00299	0.04605
	43	0.00359	0.00050	0.03902	0.00299	0.04611
	44	0.00356	0.00051	0.03904	0.00292	0.04603
	45	0.00357	0.00053	0.03919	0.00327	0.04655
	46	0.00358	0.00052	0.03886	0.00309	0.04606
	47	0.00357	0.00051	0.03901	0.00303	0.04612
	48	0.00356	0.00052	0.03916	0.00298	0.04622
	49	0.00358	0.00053	0.03881	0.00298	0.04589
	50	0.00356	0.00052	0.03911	0.00288	0.04607

	51	0.00357	0.00051	0.03906	0.00284	0.04597
	52	0.00356	0.00052	0.03933	0.00281	0.04622
	53	0.00359	0.00051	0.03916	0.00314	0.04639
	54	0.00360	0.00051	0.03916	0.00305	0.04632
	55	0.00358	0.00052	0.03901	0.00302	0.04613
	56	0.00358	0.00052	0.03918	0.00293	0.04622
	57	0.00356	0.00051	0.03872	0.00311	0.04591
	58	0.00356	0.00050	0.03883	0.00304	0.04593
	59	0.00357	0.00050	0.03911	0.00292	0.04611
	60	0.00357	0.00052	0.03917	0.00296	0.04622
	61	0.00359	0.00051	0.03898	0.00318	0.04626
	62	0.00357	0.00052	0.03885	0.00311	0.04605
	63	0.00357	0.00051	0.03894	0.00294	0.04596
	64	0.00357	0.00051	0.03885	0.00293	0.04586
	65	0.00358	0.00052	0.03906	0.00294	0.04609
	66	0.00358	0.00052	0.03900	0.00289	0.04599
	67	0.00357	0.00052	0.03914	0.00281	0.04604
3	68	0.00358	0.00052	0.03901	0.00287	0.04598
	69	0.00357	0.00051	0.03906	0.00312	0.04627
	70	0.00357	0.00051	0.03893	0.00296	0.04597
	71	0.00358	0.00052	0.03904	0.00309	0.04624
	72	0.00357	0.00051	0.03889	0.00292	0.04588
	73	0.00357	0.00051	0.03876	0.00326	0.04611
	74	0.00360	0.00052	0.03906	0.00310	0.04628
	75	0.00359	0.00053	0.03907	0.00303	0.04622
	76	0.00356	0.00050	0.03890	0.00289	0.04586
	77	0.00356	0.00052	0.03916	0.00326	0.04649
	78	0.00356	0.00051	0.03878	0.00300	0.04585
	79	0.00357	0.00052	0.03907	0.00298	0.04614
	80	0.00356	0.00052	0.03898	0.00297	0.04602
	81	0.00356	0.00051	0.03884	0.00287	0.04578
	82	0.00358	0.00051	0.03912	0.00283	0.04604
	83	0.00356	0.00051	0.03895	0.00280	0.04581
	84	0.00356	0.00051	0.03907	0.00275	0.04589
	85	0.00357	0.00053	0.03887	0.00336	0.04632
	86	0.00357	0.00050	0.03928	0.00296	0.04631
	87	0.00357	0.00051	0.03892	0.00296	0.04595
	88	0.00356	0.00051	0.03915	0.00289	0.04611
	89	0.00359	0.00051	0.03912	0.00332	0.04653
	90	0.00357	0.00051	0.03909	0.00302	0.04619
	91	0.00356	0.00051	0.03919	0.00301	0.04626
	92	0.00359	0.00052	0.03904	0.00296	0.04610
	93	0.00357	0.00052	0.03888	0.00338	0.04636
	94	0.00357	0.00050	0.03893	0.00302	0.04602
3	95	0.00364	0.00052	0.03897	0.00305	0.04619
	96	0.00355	0.00050	0.03898	0.00297	0.04600

	97	0.00356	0.00050	0.03928	0.00294	0.04629
	98	0.00356	0.00051	0.03918	0.00285	0.04610
	99	0.00357	0.00051	0.03906	0.00283	0.04597
	100	0.00359	0.00050	0.03906	0.00282	0.04597
	101	0.00358	0.00052	0.03902	0.00323	0.04635
	102	0.00357	0.00050	0.03889	0.00295	0.04592
	103	0.00356	0.00051	0.03888	0.00296	0.04591
	104	0.00356	0.00050	0.03879	0.00289	0.04574
	105	0.00355	0.00050	0.03896	0.00316	0.04617
	106	0.00356	0.00050	0.03894	0.00298	0.04599
	107	0.00356	0.00052	0.03900	0.00304	0.04613
	108	0.00356	0.00051	0.03899	0.00291	0.04598
	109	0.00357	0.00052	0.03899	0.00329	0.04636
	110	0.00357	0.00053	0.03897	0.00319	0.04627
	111	0.00358	0.00051	0.03884	0.00306	0.04600
	112	0.00357	0.00051	0.03918	0.00295	0.04620
	113	0.00357	0.00052	0.03892	0.00289	0.04590
	114	0.00357	0.00051	0.03899	0.00285	0.04593
	115	0.00359	0.00051	0.03910	0.00287	0.04607
	116	0.00357	0.00051	0.03887	0.00279	0.04573
	117	0.00358	0.00053	0.03890	0.00325	0.04625
	118	0.00357	0.00051	0.03904	0.00298	0.04609
	119	0.00357	0.00050	0.03885	0.00294	0.04587
	120	0.00356	0.00051	0.03877	0.00287	0.04571
	121	0.00359	0.00051	0.03886	0.00324	0.04619
3	122	0.00357	0.00051	0.03880	0.00297	0.04585
	123	0.00358	0.00053	0.03900	0.00305	0.04616
	124	0.00358	0.00050	0.03900	0.00288	0.04596
	125	0.00357	0.00052	0.03910	0.00324	0.04643
	126	0.00357	0.00051	0.03899	0.00298	0.04605
	127	0.00356	0.00053	0.03910	0.00302	0.04622
	128	0.00357	0.00051	0.03896	0.00289	0.04593
	129	0.00358	0.00051	0.03892	0.00290	0.04591
	130	0.00356	0.00051	0.03896	0.00284	0.04586
	131	0.00357	0.00051	0.03905	0.00288	0.04601
	132	0.00356	0.00054	0.03904	0.00294	0.04608
	133	0.00356	0.00051	0.03904	0.00320	0.04632
	134	0.00358	0.00051	0.03900	0.00302	0.04612
	135	0.00358	0.00052	0.03901	0.00291	0.04601
	136	0.00359	0.00051	0.03905	0.00290	0.04605
	137	0.00356	0.00051	0.03896	0.00318	0.04621
	138	0.00359	0.00052	0.03899	0.00308	0.04618
	139	0.00356	0.00052	0.03907	0.00301	0.04617
	140	0.00361	0.00053	0.03966	0.00294	0.04674
	141	0.00357	0.00051	0.03888	0.00327	0.04624
	142	0.00356	0.00050	0.03901	0.00298	0.04605

	143	0.00359	0.00053	0.03903	0.00305	0.04620
	144	0.00358	0.00051	0.03897	0.00293	0.04599
	145	0.00358	0.00052	0.03910	0.00286	0.04606
	146	0.00358	0.00051	0.03902	0.00286	0.04597
	147	0.00359	0.00050	0.03932	0.00282	0.04624
	148	0.00355	0.00051	0.03898	0.00277	0.04581
	149	0.00360	0.00052	0.03897	0.00305	0.04614
	150	0.00359	0.00050	0.03890	0.00299	0.04598
	151	0.00359	0.00051	0.03889	0.00298	0.04597
	152	0.00358	0.00051	0.03918	0.00286	0.04613
	153	0.00356	0.00052	0.03911	0.00290	0.04609
	154	0.00357	0.00050	0.03934	0.00282	0.04624
	155	0.00359	0.00051	0.03891	0.00282	0.04582
	156	0.00357	0.00051	0.03882	0.00281	0.04570
	157	0.00358	0.00052	0.03931	0.00319	0.04661
	158	0.00358	0.00051	0.03895	0.00296	0.04599
	159	0.00357	0.00050	0.03925	0.00292	0.04624
	160	0.00357	0.00052	0.03903	0.00299	0.04610
	161	0.00357	0.00050	0.03898	0.00304	0.04610
	162	0.00356	0.00050	0.03898	0.00297	0.04601
	163	0.00358	0.00051	0.03890	0.00296	0.04595
	164	0.00364	0.00052	0.03954	0.00299	0.04668
	165	0.00357	0.00050	0.03902	0.00286	0.04595
	166	0.00358	0.00050	0.03905	0.00280	0.04594
	167	0.00357	0.00051	0.03894	0.00283	0.04585
	168	0.00358	0.00051	0.03899	0.00277	0.04584
	169	0.00357	0.00051	0.03895	0.00308	0.04610
	170	0.00358	0.00052	0.03904	0.00301	0.04615
	171	0.00357	0.00051	0.03908	0.00296	0.04612
	172	0.00358	0.00051	0.03905	0.00292	0.04606
	173	0.00356	0.00050	0.03888	0.00306	0.04600
	174	0.00358	0.00051	0.03870	0.00299	0.04578
	175	0.00358	0.00050	0.03900	0.00296	0.04605
3	176	0.00358	0.00051	0.03891	0.00298	0.04598
	177	0.00360	0.00050	0.03909	0.00289	0.04608
	178	0.00357	0.00053	0.03890	0.00288	0.04588
	179	0.00357	0.00052	0.03900	0.00288	0.04597
	180	0.00360	0.00051	0.03927	0.00279	0.04616
	181	0.00356	0.00050	0.03925	0.00309	0.04640
	182	0.00357	0.00052	0.03886	0.00304	0.04599
	183	0.00358	0.00051	0.03906	0.00298	0.04613
	184	0.00363	0.00052	0.03977	0.00292	0.04684
	185	0.00359	0.00050	0.03901	0.00311	0.04621
	186	0.00357	0.00050	0.03901	0.00299	0.04607
	187	0.00356	0.00051	0.03886	0.00296	0.04589
	188	0.00359	0.00050	0.03891	0.00297	0.04597

	189	0.00356	0.00052	0.03884	0.00322	0.04614
	190	0.00356	0.00051	0.03891	0.00302	0.04599
	191	0.00357	0.00050	0.03887	0.00298	0.04592
	192	0.00357	0.00053	0.03887	0.00302	0.04599
	193	0.00358	0.00053	0.03889	0.00291	0.04590
	194	0.00357	0.00051	0.03918	0.00286	0.04613
	195	0.00358	0.00050	0.03918	0.00281	0.04607
	196	0.00357	0.00050	0.03910	0.00277	0.04596
	197	0.00357	0.00051	0.03905	0.00310	0.04623
	198	0.00357	0.00052	0.03907	0.00304	0.04620
	199	0.00357	0.00051	0.03891	0.00293	0.04593
	200	0.00357	0.00050	0.03904	0.00290	0.04601
	201	0.00358	0.00052	0.03893	0.00317	0.04620
	202	0.00356	0.00050	0.03903	0.00296	0.04605
3	203	0.00356	0.00050	0.03906	0.00292	0.04604
	204	0.00358	0.00051	0.03903	0.00295	0.04607
	205	0.00356	0.00052	0.03906	0.00322	0.04637
	206	0.00357	0.00050	0.03931	0.00304	0.04641
	207	0.00355	0.00050	0.03898	0.00300	0.04603
	208	0.00357	0.00050	0.03888	0.00292	0.04587
	209	0.00355	0.00051	0.03882	0.00290	0.04578
	210	0.00358	0.00051	0.03902	0.00287	0.04598
	211	0.00360	0.00051	0.03885	0.00287	0.04582
	212	0.00355	0.00051	0.03890	0.00280	0.04576
	213	0.00360	0.00051	0.03887	0.00309	0.04606
	214	0.00355	0.00051	0.03905	0.00298	0.04610
	215	0.00356	0.00050	0.03879	0.00288	0.04573
	216	0.00362	0.00051	0.03903	0.00293	0.04608
	217	0.00357	0.00051	0.03902	0.00311	0.04621
	218	0.00356	0.00050	0.03904	0.00299	0.04609
	219	0.00356	0.00051	0.03908	0.00294	0.04608
	220	0.00355	0.00050	0.03882	0.00285	0.04572
	221	0.00355	0.00051	0.03902	0.00314	0.04622
	222	0.00356	0.00051	0.03887	0.00303	0.04597
	223	0.00357	0.00050	0.03893	0.00293	0.04593
	224	0.00357	0.00052	0.03885	0.00295	0.04589
	225	0.00357	0.00050	0.03910	0.00280	0.04598
	226	0.00357	0.00051	0.03898	0.00290	0.04596
	227	0.00355	0.00050	0.03906	0.00275	0.04587
	228	0.00355	0.00051	0.03909	0.00275	0.04591
	229	0.00355	0.00050	0.03911	0.00319	0.04636
3	230	0.00357	0.00051	0.03919	0.00300	0.04626
	231	0.00355	0.00052	0.03887	0.00304	0.04597
	232	0.00355	0.00051	0.03882	0.00291	0.04579
	233	0.00357	0.00050	0.03876	0.00326	0.04609
	234	0.00354	0.00051	0.03871	0.00297	0.04573

	235	0.00355	0.00052	0.03911	0.00304	0.04623
	236	0.00355	0.00052	0.03901	0.00309	0.04618
	237	0.00356	0.00050	0.03892	0.00330	0.04628
	238	0.00356	0.00051	0.03916	0.00306	0.04629
	239	0.00358	0.00052	0.03888	0.00316	0.04614
	240	0.00356	0.00052	0.03896	0.00303	0.04607
	241	0.00355	0.00052	0.03905	0.00289	0.04601
	242	0.00356	0.00052	0.03908	0.00286	0.04600
	243	0.00360	0.00051	0.03937	0.00285	0.04633
	244	0.00356	0.00051	0.03904	0.00277	0.04588
	245	0.00358	0.00051	0.03905	0.00318	0.04631
	246	0.00358	0.00051	0.03905	0.00297	0.04611
	247	0.00356	0.00050	0.03892	0.00294	0.04593
	248	0.00356	0.00052	0.03904	0.00298	0.04609
	249	0.00358	0.00051	0.03896	0.00318	0.04623
	250	0.00359	0.00051	0.03904	0.00308	0.04622
	251	0.00356	0.00050	0.03889	0.00292	0.04587
	252	0.00358	0.00051	0.03897	0.00296	0.04601
	253	0.00356	0.00051	0.03880	0.00324	0.04611
	254	0.00355	0.00050	0.03888	0.00303	0.04596
	255	0.00355	0.00051	0.03886	0.00297	0.04589
	256	0.00356	0.00051	0.03879	0.00291	0.04576
3	257	0.00355	0.00050	0.03904	0.00287	0.04596
	258	0.00357	0.00051	0.03925	0.00284	0.04617
	259	0.00356	0.00051	0.03905	0.00288	0.04600
	260	0.00357	0.00050	0.03930	0.00277	0.04614
	261	0.00358	0.00051	0.03877	0.00314	0.04600
	262	0.00355	0.00053	0.03896	0.00314	0.04617
	263	0.00356	0.00050	0.03897	0.00291	0.04595
	264	0.00356	0.00050	0.03922	0.00286	0.04614
	265	0.00358	0.00050	0.03912	0.00320	0.04640
	266	0.00356	0.00050	0.03910	0.00299	0.04615
	267	0.00355	0.00050	0.03915	0.00293	0.04612
	268	0.00356	0.00050	0.03902	0.00290	0.04598
	269	0.00355	0.00050	0.03887	0.00320	0.04613
	270	0.00355	0.00051	0.03909	0.00304	0.04619
	271	0.00357	0.00050	0.03891	0.00290	0.04588
	272	0.00356	0.00052	0.03939	0.00296	0.04643
	273	0.00355	0.00050	0.03919	0.00283	0.04607
	274	0.00356	0.00053	0.03903	0.00295	0.04606
	275	0.00357	0.00052	0.03890	0.00287	0.04586
	276	0.00355	0.00051	0.03905	0.00281	0.04592
	277	0.00355	0.00050	0.03888	0.00323	0.04616
	278	0.00357	0.00051	0.03882	0.00302	0.04592
	279	0.00355	0.00053	0.03902	0.00296	0.04606
	280	0.00357	0.00051	0.03891	0.00290	0.04589

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	281	0.00355	0.00051	0.03885	0.00324	0.04614
	282	0.00355	0.00050	0.03909	0.00295	0.04610
	283	0.00356	0.00050	0.03914	0.00291	0.04611
	284	0.00357	0.00051	0.03891	0.00295	0.04595
	285	0.00356	0.00050	0.03896	0.00322	0.04624
	286	0.00356	0.00050	0.03878	0.00301	0.04585
	287	0.00357	0.00050	0.03909	0.00298	0.04614
	288	0.00356	0.00050	0.03930	0.00295	0.04631
	289	0.00359	0.00051	0.01691	0.00263	0.02363
	290	0.00357	0.00052	0.01691	0.00256	0.02356
	291	0.00356	0.00050	0.01696	0.00252	0.02353
	292	0.00355	0.00050	0.01696	0.00248	0.02350
	293	0.00357	0.00052	0.01704	0.00285	0.02397
	294	0.00356	0.00049	0.01712	0.00265	0.02381
	295	0.00357	0.00050	0.01704	0.00267	0.02378
	296	0.00355	0.00051	0.01710	0.00262	0.02379
	297	0.00355	0.00051	0.01707	0.00260	0.02374
	298	0.00355	0.00050	0.01681	0.00252	0.02338
	299	0.00357	0.00050	0.01698	0.00251	0.02355
	300	0.00355	0.00049	0.01698	0.00245	0.02348
	301	0.00357	0.00050	0.01692	0.00284	0.02382
	302	0.00355	0.00049	0.01690	0.00268	0.02363
	303	0.00358	0.00051	0.01706	0.00275	0.02390
	304	0.00355	0.00051	0.01699	0.00264	0.02369
	305	0.00356	0.00050	0.01685	0.00295	0.02386
	306	0.00357	0.00050	0.01703	0.00276	0.02387
	307	0.00358	0.00050	0.01698	0.00268	0.02373
	308	0.00356	0.00051	0.01712	0.00267	0.02386
	309	0.00356	0.00052	0.01698	0.00272	0.02379
	310	0.00356	0.00050	0.01686	0.00252	0.02344
3	311	0.00357	0.00050	0.01697	0.00246	0.02349
	312	0.00357	0.00050	0.01697	0.00250	0.02355
	313	0.00355	0.00052	0.01702	0.00286	0.02394
	314	0.00360	0.00050	0.01711	0.00281	0.02402
	315	0.00356	0.00051	0.01704	0.00270	0.02381
	316	0.00358	0.00051	0.01703	0.00265	0.02377
	317	0.00359	0.00049	0.01696	0.00291	0.02396
	318	0.00360	0.00050	0.01686	0.00277	0.02373
	319	0.00356	0.00050	0.01695	0.00270	0.02370
	320	0.00357	0.00050	0.01702	0.00260	0.02369
	321	0.00357	0.00050	0.01707	0.00266	0.02380
	322	0.00358	0.00051	0.01706	0.00260	0.02375
	323	0.00358	0.00050	0.01712	0.00251	0.02371
	324	0.00360	0.00050	0.01701	0.00241	0.02353
	325	0.00355	0.00050	0.01692	0.00290	0.02387
	326	0.00356	0.00050	0.01691	0.00280	0.02377

327	0.00356	0.00049	0.01713	0.00266	0.02385
328	0.00356	0.00050	0.01700	0.00257	0.02363
329	0.00358	0.00050	0.01696	0.00296	0.02401
330	0.00359	0.00049	0.01701	0.00282	0.02391
331	0.00356	0.00051	0.01690	0.00272	0.02370
332	0.00355	0.00049	0.01692	0.00268	0.02365
333	0.00358	0.00050	0.01689	0.00301	0.02399
334	0.00356	0.00050	0.01698	0.00286	0.02390
335	0.00354	0.00050	0.01696	0.00273	0.02373
336	0.00355	0.00050	0.01705	0.00269	0.02379
337	0.00355	0.00050	0.01700	0.00257	0.02362
338	0.00358	0.00050	0.01704	0.00259	0.02372
339	0.00356	0.00049	0.01697	0.00249	0.02352
340	0.00358	0.00050	0.01695	0.00249	0.02352
341	0.00355	0.00051	0.01700	0.00295	0.02401
342	0.00355	0.00049	0.01710	0.00278	0.02392
343	0.00359	0.00049	0.01689	0.00266	0.02363
344	0.00356	0.00050	0.01705	0.00261	0.02371
345	0.00357	0.00050	0.01694	0.00300	0.02400
346	0.00359	0.00049	0.01705	0.00286	0.02398
347	0.00359	0.00050	0.01702	0.00277	0.02388
348	0.00358	0.00051	0.01696	0.00268	0.02373
349	0.00361	0.00050	0.01690	0.00310	0.02412
350	0.00355	0.00050	0.01686	0.00282	0.02374
351	0.00362	0.00051	0.01710	0.00282	0.02404
352	0.00356	0.00051	0.01713	0.00275	0.02395
353	0.00356	0.00049	0.01706	0.00258	0.02369
354	0.00355	0.00051	0.01697	0.00259	0.02362
355	0.00368	0.00050	0.01713	0.00252	0.02382
356	0.00356	0.00050	0.01705	0.00243	0.02354
357	0.00356	0.00050	0.01689	0.00301	0.02397
358	0.00359	0.00050	0.01700	0.00286	0.02394
359	0.00355	0.00050	0.01702	0.00277	0.02384
360	0.00356	0.00049	0.01696	0.00269	0.02370
361	0.00356	0.00050	0.01699	0.00303	0.02408
362	0.00355	0.00050	0.01688	0.00284	0.02378
363	0.00357	0.00051	0.01705	0.00279	0.02392
364	0.00355	0.00052	0.01701	0.00271	0.02379
365	0.00356	0.00050	0.01693	0.00305	0.02404
366	0.00359	0.00050	0.01707	0.00293	0.02409
367	0.00358	0.00049	0.01699	0.00274	0.02380
368	0.00354	0.00050	0.01695	0.00268	0.02367
369	0.00357	0.00050	0.01702	0.00260	0.02369
370	0.00357	0.00051	0.01707	0.00261	0.02377
371	0.00361	0.00050	0.01730	0.00250	0.02391
372	0.00355	0.00049	0.01691	0.00242	0.02338

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373	0.00356	0.00050	0.01689	0.00301	0.02396
374	0.00356	0.00050	0.01698	0.00277	0.02381
375	0.00356	0.00050	0.01686	0.00269	0.02362
376	0.00357	0.00050	0.01706	0.00263	0.02376
377	0.00355	0.00050	0.01684	0.00312	0.02402
378	0.00355	0.00050	0.01694	0.00282	0.02381
379	0.00355	0.00050	0.01703	0.00278	0.02386
380	0.00358	0.00049	0.01715	0.00278	0.02401
381	0.00356	0.00049	0.01691	0.00323	0.02420
382	0.00357	0.00050	0.01696	0.00286	0.02389
383	0.00360	0.00050	0.01705	0.00281	0.02396
384	0.00356	0.00049	0.01695	0.00269	0.02369
385	0.00360	0.00051	0.01696	0.00263	0.02370
386	0.00356	0.00049	0.01690	0.00249	0.02344
387	0.00355	0.00049	0.01688	0.00249	0.02342
388	0.00354	0.00049	0.01691	0.00243	0.02337
389	0.00355	0.00050	0.01692	0.00300	0.02398
390	0.00356	0.00051	0.01709	0.00286	0.02402
391	0.00358	0.00050	0.01698	0.00272	0.02377
392	0.00356	0.00050	0.01699	0.00260	0.02365
393	0.00361	0.00052	0.01688	0.00312	0.02413
394	0.00355	0.00051	0.01695	0.00284	0.02385
395	0.00358	0.00049	0.01706	0.00281	0.02394
396	0.00356	0.00051	0.01694	0.00269	0.02370
397	0.00357	0.00050	0.01689	0.00323	0.02419
398	0.00359	0.00050	0.01708	0.00281	0.02398
399	0.00356	0.00049	0.01694	0.00272	0.02371
400	0.00357	0.00049	0.01693	0.00269	0.02369
401	0.00357	0.00049	0.01698	0.00259	0.02363
402	0.00357	0.00049	0.01708	0.00252	0.02366
403	0.00358	0.00049	0.01712	0.00251	0.02370
404	0.00354	0.00050	0.01694	0.00244	0.02342
405	0.00358	0.00051	0.01690	0.00319	0.02418
406	0.00355	0.00050	0.01689	0.00280	0.02373
407	0.00356	0.00051	0.01695	0.00283	0.02386
408	0.00357	0.00051	0.01707	0.00288	0.02403
409	0.00354	0.00051	0.01689	0.00326	0.02420
410	0.00357	0.00051	0.01710	0.00290	0.02408
411	0.00356	0.00052	0.01692	0.00294	0.02394
412	0.00355	0.00050	0.01706	0.00272	0.02382
413	0.00356	0.00051	0.01718	0.00323	0.02449
414	0.00359	0.00053	0.01703	0.00294	0.02409
415	0.00357	0.00049	0.01702	0.00283	0.02392
416	0.00357	0.00049	0.01699	0.00275	0.02380
417	0.00357	0.00051	0.01703	0.00265	0.02376
418	0.00355	0.00053	0.01709	0.00265	0.02382

419	0.00358	0.00049	0.01702	0.00251	0.02360
420	0.00356	0.00049	0.01700	0.00242	0.02347
421	0.00356	0.00050	0.01700	0.00329	0.02436
422	0.00357	0.00049	0.01684	0.00280	0.02370
423	0.00357	0.00051	0.01696	0.00282	0.02386
424	0.00356	0.00050	0.01691	0.00276	0.02373
425	0.00356	0.00051	0.01690	0.00345	0.02442
426	0.00355	0.00049	0.01693	0.00288	0.02386
427	0.00356	0.00049	0.01694	0.00272	0.02371
428	0.00359	0.00050	0.01703	0.00281	0.02393
429	0.00357	0.00051	0.01701	0.00341	0.02450
430	0.00355	0.00050	0.01683	0.00286	0.02374
431	0.00361	0.00049	0.01705	0.00275	0.02391
432	0.00360	0.00050	0.01699	0.00280	0.02389

Tabla I.15: Tiempos promedio de procesamiento por frame en el filtro de seguimiento.

Bloque	Conf	Sustracción de fondo	Detección y clasificación de blobs	Detección de personas	Seguimiento	Total
	mejor	0.00527	0.00086	0.03203	0.00614	0.04688
	peor	0.01627	0.00960	0.08707	0.25760	0.34275
1	1	0.00605	0.00104	0.07806	0.25760	0.34275
	2	0.00571	0.00097	0.08554	0.00821	0.10043
	3	0.00580	0.00101	0.08149	0.00745	0.09575
	4	0.00595	0.00096	0.08418	0.00780	0.09890
	5	0.00653	0.00091	0.07691	0.00865	0.09300
	6	0.00691	0.00086	0.08201	0.00981	0.09958
	7	0.00549	0.00095	0.08178	0.00972	0.09794
	8	0.00636	0.00152	0.08707	0.00796	0.10290
	9	0.00628	0.00171	0.08640	0.00991	0.10430
	10	0.00558	0.00086	0.08330	0.01037	0.10011
	11	0.00824	0.00119	0.03230	0.20616	0.24789
	12	0.00711	0.00154	0.05486	0.00616	0.06967
	13	0.00651	0.00103	0.04362	0.00672	0.05789
	14	0.00541	0.00124	0.03203	0.00821	0.04688
	15	0.01627	0.00086	0.04929	0.00816	0.07458
	16	0.01226	0.00118	0.03361	0.00765	0.05470
	17	0.00681	0.00202	0.04504	0.00614	0.06001
	18	0.00531	0.00504	0.03415	0.00695	0.05144
	19	0.00546	0.00960	0.03650	0.00774	0.05930
	20	0.00527	0.00130	0.03401	0.01292	0.05351
	mejor	0.00459	0.00082	0.03104	0.00524	0.04453
	peor	0.03086	0.02562	0.09592	0.03246	0.11527
	1	0.00519	0.00090	0.08150	0.00591	0.09350
	2	0.00637	0.00106	0.08275	0.00546	0.09565

	3	0.00568	0.00097	0.08050	0.00781	0.09496
	4	0.00549	0.00094	0.08137	0.00581	0.09361
	5	0.00507	0.00091	0.08444	0.00533	0.09574
	6	0.00542	0.00115	0.07754	0.00559	0.08969
	7	0.00503	0.00093	0.08027	0.00541	0.09165
	8	0.00585	0.00147	0.08752	0.00524	0.10008
	9	0.00689	0.00111	0.09592	0.00547	0.10939
	10	0.00616	0.00082	0.08227	0.00808	0.09733
	11	0.00566	0.00084	0.08328	0.00551	0.09529
	12	0.00503	0.00094	0.08525	0.00550	0.09672
	13	0.00515	0.00106	0.08573	0.00543	0.09737
	14	0.00543	0.00095	0.08146	0.00534	0.09318
	15	0.00624	0.00106	0.09068	0.00960	0.10758
	16	0.00577	0.00083	0.08726	0.00923	0.10308
	17	0.00585	0.00089	0.08815	0.00899	0.10387
	18	0.00564	0.00105	0.08134	0.00691	0.09494
	19	0.00591	0.00101	0.08381	0.00874	0.09946
	20	0.00501	0.00098	0.08619	0.00933	0.10151
	21	0.00567	0.00103	0.08499	0.00929	0.10098
	22	0.00579	0.00134	0.08192	0.00548	0.09454
	23	0.00502	0.00093	0.09302	0.00579	0.10476
	24	0.00581	0.00103	0.07677	0.00896	0.09258
	25	0.00574	0.00101	0.08622	0.00610	0.09907
	26	0.00567	0.00097	0.08029	0.00569	0.09262
	27	0.00598	0.00095	0.09099	0.00579	0.10371
	28	0.00520	0.00124	0.08363	0.00567	0.09574
	29	0.00517	0.00105	0.08368	0.00584	0.09573
	30	0.00580	0.00103	0.09332	0.00736	0.10751
	31	0.00562	0.00100	0.08701	0.00774	0.10137
	32	0.00567	0.00099	0.08066	0.00691	0.09422
	33	0.00567	0.00099	0.08435	0.00576	0.09677
	34	0.00631	0.00103	0.08238	0.00576	0.09549
	35	0.00578	0.00099	0.07604	0.03246	0.11527
	36	0.00574	0.00097	0.08392	0.00669	0.09732
	37	0.00508	0.00085	0.08212	0.00580	0.09385
	38	0.00572	0.00095	0.07759	0.00835	0.09260
	39	0.01029	0.00096	0.08710	0.00615	0.10449
	40	0.00618	0.00091	0.09363	0.00607	0.10679
2	41	0.00584	0.00111	0.08284	0.00670	0.09648
	42	0.00579	0.00105	0.08320	0.00574	0.09578
	43	0.00574	0.00100	0.07567	0.00568	0.08808
	44	0.00498	0.00083	0.08349	0.00719	0.09649
	45	0.00590	0.00127	0.08043	0.00853	0.09613
	46	0.00571	0.00103	0.08154	0.00767	0.09595
	47	0.00623	0.00117	0.08249	0.00564	0.09552

48	0.00574	0.00140	0.07772	0.00606	0.09092
49	0.01436	0.00119	0.07818	0.00672	0.10046
50	0.00579	0.00092	0.04715	0.01010	0.06396
51	0.00567	0.00093	0.03294	0.01016	0.04971
52	0.00504	0.00113	0.04282	0.01000	0.05899
53	0.01212	0.00149	0.03548	0.01022	0.05932
54	0.00561	0.00108	0.04671	0.01027	0.06367
55	0.00637	0.00100	0.03394	0.01107	0.05237
56	0.00566	0.00087	0.03790	0.01050	0.05494
57	0.00625	0.00098	0.03696	0.00990	0.05408
58	0.00499	0.00106	0.03843	0.00995	0.05442
59	0.00586	0.00101	0.03811	0.00910	0.05408
60	0.00615	0.00102	0.03229	0.00988	0.04933
61	0.00579	0.00089	0.04505	0.01000	0.06174
62	0.00509	0.00097	0.03169	0.01004	0.04779
63	0.00505	0.00098	0.03651	0.01061	0.05316
64	0.00511	0.00086	0.03798	0.00867	0.05262
65	0.01252	0.00093	0.05302	0.00838	0.07484
66	0.00559	0.00093	0.03330	0.00827	0.04809
67	0.00596	0.00114	0.04130	0.00758	0.05599
68	0.00542	0.00108	0.03747	0.00752	0.05150
69	0.00525	0.00087	0.03446	0.00733	0.04792
70	0.00520	0.00108	0.03600	0.00761	0.04990
71	0.00574	0.00091	0.04263	0.00652	0.05579
72	0.00602	0.00093	0.03481	0.00678	0.04854
73	0.00593	0.00102	0.03382	0.00779	0.04857
74	0.00598	0.00213	0.04384	0.00656	0.05851
75	0.00741	0.00106	0.04334	0.00692	0.05873
76	0.00564	0.00083	0.03731	0.00647	0.05026
77	0.00603	0.00091	0.03867	0.00670	0.05231
78	0.00526	0.00103	0.04897	0.00796	0.06322
79	0.01725	0.00135	0.04967	0.00830	0.07656
80	0.00579	0.00115	0.03605	0.00753	0.05052
81	0.00561	0.00102	0.04367	0.00813	0.05843
82	0.00561	0.00090	0.03398	0.00834	0.04883
83	0.00994	0.00114	0.04640	0.00800	0.06548
84	0.00513	0.00093	0.03674	0.00818	0.05099
85	0.00645	0.02562	0.04314	0.00733	0.08254
86	0.00562	0.00139	0.03651	0.00807	0.05159
87	0.00634	0.00117	0.04285	0.00754	0.05790
88	0.01050	0.00088	0.04218	0.00757	0.06114
89	0.00684	0.00092	0.03908	0.00739	0.05423
90	0.00571	0.00092	0.03312	0.00743	0.04718
91	0.00565	0.00091	0.03104	0.00770	0.04531
92	0.00554	0.00123	0.03137	0.00845	0.04658
93	0.00584	0.00091	0.04568	0.00770	0.06013

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94	0.00568	0.00106	0.03847	0.00765	0.05287
95	0.01038	0.00326	0.03238	0.00765	0.05367
96	0.00571	0.00084	0.04043	0.00725	0.05423
97	0.00597	0.00093	0.03855	0.00758	0.05303
98	0.00571	0.00103	0.04964	0.00769	0.06406
99	0.00553	0.00161	0.03238	0.01000	0.04953
100	0.00635	0.00096	0.03376	0.01049	0.05155
101	0.00685	0.00108	0.04197	0.01137	0.06126
102	0.00597	0.00101	0.04343	0.01251	0.06292
103	0.01306	0.00084	0.03933	0.01035	0.06358
104	0.00533	0.00090	0.03693	0.01020	0.05336
105	0.00582	0.00097	0.03284	0.01046	0.05008
106	0.00459	0.00098	0.03670	0.01023	0.05249
107	0.00553	0.00101	0.03222	0.01029	0.04906
108	0.00701	0.00097	0.04111	0.01188	0.06098
109	0.01279	0.00103	0.03536	0.01046	0.05964
110	0.00580	0.00098	0.04076	0.01012	0.05766
111	0.00567	0.00121	0.03369	0.01018	0.05076
112	0.00584	0.00110	0.03334	0.01001	0.05029
113	0.00537	0.00111	0.03253	0.02124	0.06025
114	0.00565	0.00109	0.03402	0.00792	0.04868
115	0.01273	0.00100	0.04003	0.00812	0.06188
116	0.00582	0.00105	0.03435	0.00798	0.04920
117	0.00549	0.00084	0.04369	0.00786	0.05788
118	0.00459	0.00085	0.03699	0.00801	0.05044
119	0.00560	0.00101	0.04380	0.00794	0.05836
120	0.01900	0.00174	0.04062	0.00567	0.06703
121	0.00565	0.00120	0.04142	0.00605	0.05433
122	0.00569	0.00087	0.03307	0.00702	0.04666
123	0.00586	0.00089	0.03455	0.00567	0.04696
124	0.00582	0.00120	0.03174	0.00577	0.04453
125	0.00571	0.00098	0.04409	0.00571	0.05649
126	0.00631	0.00157	0.03434	0.00558	0.04779
127	0.00593	0.00103	0.03277	0.00801	0.04774
128	0.00630	0.00089	0.04463	0.00829	0.06011
129	0.00595	0.00117	0.03325	0.01153	0.05189
130	0.00683	0.00096	0.04401	0.00804	0.05984
131	0.00634	0.00098	0.04105	0.00819	0.05655
132	0.00557	0.00099	0.03333	0.00784	0.04772
133	0.00586	0.00113	0.03362	0.00840	0.04901
134	0.00537	0.00104	0.04763	0.00878	0.06282
135	0.00592	0.00162	0.03347	0.00875	0.04975
136	0.00492	0.00515	0.03693	0.00623	0.05323
137	0.01467	0.00100	0.04686	0.00873	0.07126
138	0.03086	0.00137	0.03518	0.00852	0.07594
139	0.00581	0.00098	0.03475	0.00775	0.04929

	140	0.00634	0.00098	0.04195	0.00843	0.05769
	141	0.00589	0.00098	0.04035	0.00722	0.05444
	142	0.01266	0.00094	0.03834	0.00751	0.05944
	143	0.00502	0.00103	0.03918	0.00713	0.05236
	144	0.00584	0.00092	0.03158	0.00692	0.04526
	145	0.00557	0.01400	0.04923	0.00709	0.07589
	146	0.00648	0.00112	0.04512	0.00721	0.05993
	147	0.00580	0.00109	0.03183	0.00712	0.04584
	mejor	0.00447	0.00076	0.03104	0.00440	0.04196
	peor	0.03218	0.01189	0.20899	0.03624	0.23456
	1	0.00573	0.00110	0.08527	0.00546	0.09756
	2	0.00648	0.00100	0.08076	0.00578	0.09403
	3	0.00596	0.00100	0.08387	0.00547	0.09630
	4	0.00588	0.00131	0.08344	0.00533	0.09596
	5	0.00664	0.00098	0.08904	0.00656	0.10323
	6	0.00576	0.00102	0.07885	0.00657	0.09220
	7	0.00552	0.00094	0.09065	0.00657	0.10369
	8	0.00630	0.00106	0.08173	0.00710	0.09620
	9	0.00586	0.00111	0.08105	0.00633	0.09435
	10	0.00554	0.00081	0.08356	0.00665	0.09657
	11	0.00589	0.00096	0.08661	0.00644	0.09990
	12	0.00571	0.00094	0.08513	0.00605	0.09783
	13	0.00593	0.00092	0.08052	0.00643	0.09380
3	14	0.00543	0.00099	0.08615	0.00707	0.09965
	15	0.00574	0.00123	0.08577	0.00764	0.10039
	16	0.00557	0.00095	0.07706	0.00660	0.09019
	17	0.00561	0.00100	0.08194	0.00792	0.09647
	18	0.00557	0.00089	0.08598	0.00707	0.09952
	19	0.00672	0.00121	0.20899	0.01764	0.23456
	20	0.00588	0.00096	0.08997	0.00699	0.10380
	21	0.00513	0.00113	0.09128	0.00676	0.10430
	22	0.00566	0.00098	0.08525	0.00662	0.09852
	23	0.00547	0.00103	0.08009	0.00603	0.09261
	24	0.02686	0.00102	0.08723	0.00589	0.12100
	25	0.00585	0.00101	0.08011	0.00665	0.09362
	26	0.00649	0.00092	0.08073	0.00642	0.09456
	27	0.00656	0.00162	0.08658	0.00632	0.10109
	28	0.00569	0.00124	0.07932	0.00619	0.09245
	29	0.00475	0.00100	0.08627	0.00837	0.10039
	30	0.00592	0.00116	0.08978	0.00614	0.10300
	31	0.00510	0.00087	0.08311	0.00641	0.09549
	32	0.00588	0.00094	0.08394	0.00654	0.09730
	33	0.00493	0.00099	0.08099	0.00689	0.09381
	34	0.00537	0.00100	0.08055	0.00655	0.09347
	35	0.00564	0.00090	0.08751	0.00552	0.09958
	36	0.00585	0.00099	0.10280	0.00584	0.11547

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	37	0.01824	0.00096	0.08032	0.00838	0.10790
	38	0.00557	0.00095	0.08000	0.00792	0.09445
	39	0.00553	0.00111	0.07924	0.00794	0.09381
	40	0.00574	0.00114	0.07867	0.00682	0.09236
	41	0.00612	0.00100	0.08563	0.00724	0.09998
	42	0.00543	0.00091	0.07582	0.00838	0.09054
	43	0.00574	0.00119	0.08390	0.00868	0.09951
	44	0.00578	0.00108	0.08721	0.00733	0.10140
	45	0.00499	0.00107	0.08702	0.00723	0.10030
	46	0.00652	0.00204	0.07641	0.00771	0.09268
	47	0.00561	0.00108	0.08204	0.00743	0.09616
	48	0.00587	0.00105	0.08559	0.00703	0.09954
	49	0.00562	0.00114	0.08241	0.00644	0.09561
	50	0.00567	0.00119	0.08319	0.00658	0.09664
	51	0.00563	0.00092	0.08556	0.00593	0.09804
	52	0.00575	0.00110	0.08125	0.00669	0.09479
	53	0.00684	0.00108	0.08071	0.00671	0.09534
	54	0.00585	0.00082	0.08782	0.00609	0.10058
	55	0.00571	0.00099	0.08724	0.00606	0.09999
	56	0.00778	0.00112	0.08818	0.00598	0.10306
	57	0.00566	0.00095	0.08739	0.00599	0.09999
	58	0.00611	0.00095	0.08584	0.00768	0.10058
	59	0.00556	0.00106	0.07487	0.00540	0.08688
	60	0.00588	0.00149	0.08226	0.00630	0.09593
	61	0.00638	0.00100	0.08536	0.00610	0.09884
	62	0.00560	0.00082	0.07373	0.00620	0.08634
	63	0.00616	0.00097	0.07800	0.00538	0.09051
	64	0.00585	0.00098	0.08043	0.00644	0.09370
	65	0.00562	0.00092	0.09731	0.00635	0.11020
	66	0.00604	0.00110	0.10423	0.00664	0.11801
	67	0.00531	0.00099	0.08890	0.00594	0.10114
3	68	0.00642	0.00096	0.08115	0.00643	0.09495
	69	0.00591	0.00098	0.09011	0.00664	0.10364
	70	0.00584	0.00097	0.08260	0.00540	0.09481
	71	0.00579	0.00117	0.07623	0.00593	0.08911
	72	0.00561	0.00110	0.07794	0.00595	0.09060
	73	0.00571	0.00102	0.08113	0.00730	0.09516
	74	0.00567	0.00139	0.09359	0.00587	0.10651
	75	0.00569	0.00106	0.09190	0.00568	0.10433
	76	0.00512	0.00111	0.08268	0.00627	0.09517
	77	0.00586	0.00116	0.08418	0.00736	0.09857
	78	0.00579	0.00100	0.07928	0.00553	0.09160
	79	0.00573	0.00102	0.07963	0.00654	0.09291
	80	0.00576	0.00109	0.08159	0.00570	0.09414
	81	0.00587	0.00124	0.08265	0.00644	0.09620
	82	0.00577	0.00096	0.08143	0.00609	0.09425

	83	0.00561	0.00105	0.08175	0.00572	0.09412
	84	0.00595	0.00100	0.08191	0.00574	0.09460
	85	0.00608	0.00103	0.08939	0.00834	0.10484
	86	0.00491	0.00102	0.07757	0.00752	0.09102
	87	0.00480	0.00106	0.08174	0.00716	0.09476
	88	0.00586	0.00087	0.08184	0.00673	0.09530
	89	0.00639	0.00095	0.08222	0.00731	0.09687
	90	0.00572	0.00100	0.08843	0.00904	0.10420
	91	0.00560	0.00107	0.08716	0.00858	0.10241
	92	0.00550	0.00098	0.07751	0.00761	0.09159
	93	0.00460	0.00141	0.08386	0.00745	0.09733
	94	0.00618	0.00108	0.08591	0.00783	0.10100
	95	0.02410	0.00103	0.08163	0.00798	0.11474
	96	0.00567	0.00100	0.08201	0.00758	0.09626
	97	0.00577	0.00097	0.09087	0.00659	0.10421
	98	0.00569	0.00093	0.08283	0.00671	0.09616
	99	0.00630	0.00102	0.08000	0.00593	0.09326
	100	0.00535	0.00088	0.08719	0.00627	0.09969
	101	0.00565	0.00099	0.08416	0.00681	0.09761
	102	0.00588	0.00088	0.07871	0.00647	0.09194
	103	0.00512	0.00102	0.08036	0.00691	0.09341
	104	0.00524	0.00094	0.07951	0.00619	0.09188
	105	0.00484	0.00107	0.09661	0.00665	0.10918
	106	0.00618	0.00079	0.08876	0.00637	0.10210
	107	0.00790	0.00097	0.09230	0.00738	0.10854
	108	0.00578	0.00094	0.08057	0.00580	0.09309
	109	0.00650	0.00119	0.08916	0.00676	0.10361
	110	0.00587	0.00107	0.08681	0.00660	0.10036
	111	0.00599	0.00089	0.08834	0.00699	0.10222
	112	0.00549	0.00100	0.08158	0.00601	0.09408
	113	0.00576	0.00151	0.08758	0.00629	0.10114
	114	0.00548	0.00101	0.07611	0.00662	0.08922
	115	0.00506	0.00086	0.08947	0.00608	0.10147
	116	0.00622	0.00095	0.08372	0.00601	0.09690
	117	0.00562	0.00093	0.08467	0.00619	0.09740
	118	0.00559	0.00101	0.07621	0.00599	0.08880
	119	0.00524	0.00091	0.08743	0.00666	0.10023
	120	0.00689	0.00088	0.08107	0.00639	0.09523
	121	0.00593	0.00136	0.08167	0.00616	0.09511
3	122	0.00580	0.00098	0.08445	0.00569	0.09691
	123	0.00627	0.00101	0.07681	0.00690	0.09098
	124	0.00536	0.00087	0.07985	0.00568	0.09176
	125	0.00651	0.00105	0.08126	0.00621	0.09504
	126	0.00537	0.00103	0.08308	0.00572	0.09521
	127	0.00560	0.00182	0.10095	0.00687	0.11524
	128	0.00569	0.00091	0.07835	0.00556	0.09051

	129	0.00606	0.00094	0.07961	0.00584	0.09245
	130	0.00561	0.00098	0.07907	0.00639	0.09207
	131	0.00597	0.00129	0.07509	0.01252	0.09487
	132	0.00576	0.00098	0.08543	0.00618	0.09835
	133	0.00577	0.00104	0.08641	0.00632	0.09954
	134	0.00644	0.00090	0.08907	0.00580	0.10220
	135	0.00568	0.00104	0.09084	0.00581	0.10338
	136	0.00646	0.00100	0.07684	0.00601	0.09031
	137	0.00520	0.00092	0.08190	0.00631	0.09434
	138	0.00572	0.00088	0.07760	0.00618	0.09038
	139	0.00604	0.00094	0.08354	0.00570	0.09621
	140	0.00538	0.00089	0.08199	0.00653	0.09479
	141	0.00614	0.00100	0.07959	0.00641	0.09314
	142	0.00617	0.00103	0.08414	0.00567	0.09702
	143	0.01533	0.00103	0.08647	0.00566	0.10849
	144	0.00559	0.00104	0.08067	0.00638	0.09368
	145	0.00564	0.00136	0.08418	0.00547	0.09665
	146	0.00609	0.00085	0.08391	0.00539	0.09624
	147	0.00597	0.00110	0.08570	0.00530	0.09807
	148	0.00509	0.00101	0.08107	0.00506	0.09223
3	149	0.01432	0.00111	0.08735	0.00710	0.10988
	150	0.00585	0.00109	0.07934	0.00658	0.09286
	151	0.00736	0.00119	0.08117	0.00585	0.09557
	152	0.00617	0.00098	0.08827	0.00684	0.10226
	153	0.00572	0.00128	0.08322	0.00610	0.09633
	154	0.00683	0.00102	0.08420	0.00513	0.09719
	155	0.00690	0.00103	0.08489	0.00535	0.09818
	156	0.00584	0.00145	0.08419	0.00607	0.09755
	157	0.00572	0.00100	0.08414	0.00965	0.10052
	158	0.00574	0.00102	0.08532	0.00671	0.09879
	159	0.00608	0.00086	0.08744	0.00659	0.10097
	160	0.00621	0.00106	0.07696	0.00763	0.09185
	161	0.00585	0.00097	0.08687	0.00774	0.10143
	162	0.00578	0.00092	0.08017	0.00799	0.09487
	163	0.00580	0.00223	0.08455	0.00754	0.10012
	164	0.00729	0.00099	0.08394	0.01359	0.10580
	165	0.00552	0.00088	0.08355	0.00521	0.09517
	166	0.00621	0.00092	0.08382	0.00539	0.09634
	167	0.00612	0.00108	0.07938	0.00595	0.09252
	168	0.00545	0.00115	0.08470	0.00532	0.09662
	169	0.00586	0.00122	0.07931	0.00664	0.09303
	170	0.00623	0.00096	0.08068	0.00683	0.09470
	171	0.00645	0.00102	0.08958	0.00762	0.10467
	172	0.00592	0.00096	0.08168	0.00734	0.09590
	173	0.00588	0.00111	0.08372	0.00676	0.09747
	174	0.00588	0.00100	0.08491	0.00653	0.09832

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175	0.00579	0.00076	0.08666	0.00549	0.09870
176	0.00584	0.00091	0.08579	0.00708	0.09962
177	0.00657	0.00108	0.08703	0.00704	0.10172
178	0.00562	0.00110	0.08016	0.00521	0.09209
179	0.00605	0.00119	0.08645	0.00550	0.09920
180	0.01702	0.00141	0.08830	0.00555	0.11228
181	0.00568	0.00098	0.08451	0.00857	0.09974
182	0.00551	0.00103	0.08438	0.00726	0.09816
183	0.00590	0.00106	0.08670	0.00639	0.10004
184	0.00648	0.00124	0.11560	0.00697	0.13029
185	0.00591	0.00097	0.09587	0.00870	0.11146
186	0.00573	0.00107	0.08564	0.00839	0.10083
187	0.00533	0.00092	0.08325	0.00824	0.09774
188	0.00598	0.00083	0.08820	0.00974	0.10476
189	0.00589	0.00108	0.08460	0.00749	0.09906
190	0.00582	0.00110	0.08075	0.00782	0.09548
191	0.00586	0.00084	0.09243	0.00744	0.10656
192	0.00566	0.00103	0.07657	0.00800	0.09126
193	0.00767	0.00127	0.08635	0.00564	0.10093
194	0.00676	0.00093	0.08555	0.01369	0.10692
195	0.00589	0.00112	0.08410	0.00517	0.09628
196	0.00576	0.00092	0.07466	0.00507	0.08641
197	0.00542	0.00093	0.08955	0.00602	0.10192
198	0.00633	0.00166	0.08011	0.00714	0.09524
199	0.00556	0.00098	0.08618	0.00549	0.09821
200	0.00491	0.00097	0.08227	0.00802	0.09618
201	0.00580	0.00104	0.07956	0.00687	0.09328
202	0.00584	0.00078	0.07939	0.00652	0.09253
203	0.00554	0.00098	0.07528	0.00577	0.08757
204	0.00584	0.00091	0.08515	0.00701	0.09892
205	0.00566	0.00108	0.08394	0.00626	0.09694
206	0.00560	0.00111	0.12568	0.00639	0.13878
207	0.00518	0.00085	0.08076	0.00560	0.09240
208	0.00580	0.00099	0.08521	0.00755	0.09955
209	0.00499	0.00091	0.07548	0.00615	0.08754
210	0.00592	0.00093	0.08016	0.00508	0.09209
211	0.00642	0.00098	0.08342	0.00736	0.09818
212	0.00545	0.00101	0.08232	0.00607	0.09485
213	0.02565	0.00096	0.08272	0.00643	0.11576
214	0.00532	0.00114	0.08139	0.00679	0.09464
215	0.00583	0.00092	0.08074	0.00550	0.09299
216	0.02295	0.00126	0.08335	0.00717	0.11473
217	0.00620	0.00095	0.07632	0.00642	0.08989
218	0.00554	0.00087	0.08047	0.00610	0.09298
219	0.00561	0.00088	0.08335	0.00686	0.09671
220	0.00533	0.00109	0.08018	0.00691	0.09351

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	221	0.00695	0.00089	0.08433	0.00643	0.09860
	222	0.00574	0.00108	0.08635	0.00628	0.09945
	223	0.00598	0.00090	0.08149	0.00556	0.09393
	224	0.00545	0.00102	0.07819	0.00759	0.09226
	225	0.01379	0.00095	0.09133	0.00570	0.11177
	226	0.00548	0.00086	0.09245	0.00521	0.10400
	227	0.00592	0.00126	0.09423	0.00509	0.10651
	228	0.00502	0.00101	0.07952	0.00595	0.09150
	229	0.00618	0.00089	0.08110	0.00946	0.09763
	230	0.00599	0.00097	0.08293	0.00694	0.09684
	231	0.00525	0.00094	0.08168	0.00682	0.09469
	232	0.00584	0.00105	0.08572	0.00682	0.09944
	233	0.00638	0.00125	0.09183	0.00746	0.10693
	234	0.00545	0.00106	0.07385	0.00839	0.08875
	235	0.00596	0.00101	0.08768	0.00764	0.10230
	236	0.00591	0.00118	0.08413	0.01816	0.10938
	237	0.00533	0.00081	0.08421	0.00760	0.09795
	238	0.00619	0.00100	0.08444	0.00851	0.10015
	239	0.00605	0.00101	0.08311	0.00757	0.09774
	240	0.00580	0.00094	0.08263	0.00825	0.09762
	241	0.00511	0.00094	0.08748	0.00597	0.09950
	242	0.00580	0.00093	0.08600	0.00560	0.09833
	243	0.00594	0.00098	0.08545	0.00573	0.09810
	244	0.00585	0.00097	0.09973	0.00617	0.11271
	245	0.00524	0.00082	0.08238	0.00607	0.09451
	246	0.00653	0.00105	0.08188	0.00677	0.09623
	247	0.00558	0.00086	0.08949	0.00655	0.10248
	248	0.00576	0.00111	0.08627	0.00712	0.10026
	249	0.01084	0.00090	0.08851	0.00611	0.10636
	250	0.00577	0.00131	0.09137	0.00699	0.10544
	251	0.00712	0.00097	0.07843	0.00641	0.09292
	252	0.00598	0.00092	0.08532	0.00728	0.09949
	253	0.00573	0.00088	0.08146	0.00763	0.09570
	254	0.00572	0.00083	0.07807	0.00624	0.09086
	255	0.00489	0.00097	0.09285	0.00621	0.10492
	256	0.00578	0.00090	0.08288	0.00705	0.09661
3	257	0.00567	0.00099	0.08510	0.00592	0.09768
	258	0.00585	0.00110	0.07898	0.00593	0.09186
	259	0.00628	0.00083	0.08211	0.00599	0.09521
	260	0.00613	0.00104	0.08457	0.00584	0.09758
	261	0.00574	0.00100	0.08271	0.00617	0.09561
	262	0.00487	0.00101	0.08282	0.00816	0.09686
	263	0.00558	0.00086	0.08478	0.00639	0.09761
	264	0.00588	0.00093	0.08765	0.00691	0.10136
	265	0.00597	0.00085	0.08987	0.00593	0.10263
	266	0.00581	0.00096	0.08334	0.00706	0.09718

	267	0.00578	0.00084	0.10344	0.00648	0.11653
	268	0.00585	0.00094	0.08449	0.00724	0.09852
	269	0.00488	0.00091	0.08717	0.00586	0.09883
	270	0.00525	0.00118	0.08940	0.00668	0.10252
	271	0.00580	0.00095	0.10301	0.00641	0.11616
	272	0.00589	0.00128	0.08346	0.00702	0.09765
	273	0.00562	0.00098	0.08621	0.00584	0.09865
	274	0.00593	0.00109	0.08421	0.00865	0.09988
	275	0.00578	0.00110	0.08690	0.00581	0.09958
	276	0.00568	0.00115	0.08089	0.00616	0.09388
	277	0.00505	0.00108	0.08346	0.00673	0.09631
	278	0.00567	0.00099	0.08456	0.00664	0.09786
	279	0.00559	0.00080	0.08779	0.00562	0.09980
	280	0.00643	0.00104	0.08179	0.00725	0.09652
	281	0.00591	0.00095	0.08421	0.00686	0.09794
	282	0.00528	0.00091	0.08641	0.00674	0.09934
	283	0.00581	0.00096	0.08418	0.00540	0.09635
3	284	0.00655	0.00097	0.08008	0.00713	0.09473
	285	0.00587	0.00107	0.10093	0.00685	0.11472
	286	0.00646	0.00097	0.08011	0.00733	0.09487
	287	0.00593	0.00102	0.08878	0.00563	0.10137
	288	0.00504	0.00104	0.07551	0.00669	0.08828
	289	0.00523	0.00108	0.03319	0.00554	0.04504
	290	0.00620	0.00097	0.03461	0.00449	0.04628
	291	0.00552	0.00090	0.03104	0.00450	0.04196
	292	0.00565	0.00094	0.05615	0.00620	0.06894
	293	0.00582	0.00102	0.04122	0.00553	0.05359
	294	0.00578	0.00091	0.04628	0.00556	0.05853
	295	0.00551	0.00087	0.03534	0.00594	0.04766
	296	0.00622	0.00097	0.04838	0.00562	0.06119
	297	0.00583	0.00101	0.03858	0.00503	0.05046
	298	0.00600	0.00169	0.03160	0.00493	0.04422
	299	0.00577	0.00085	0.04623	0.00460	0.05745
	300	0.00513	0.00095	0.03822	0.00455	0.04885
	301	0.00567	0.00089	0.03340	0.00885	0.04881
	302	0.00555	0.00124	0.04387	0.00821	0.05886
	303	0.00559	0.00086	0.05248	0.00713	0.06605
	304	0.00487	0.00100	0.03956	0.00606	0.05150
	305	0.00650	0.00107	0.03403	0.00931	0.05091
	306	0.00931	0.00118	0.03913	0.00960	0.05921
	307	0.00577	0.00094	0.04701	0.00765	0.06137
	308	0.00653	0.00265	0.03256	0.00709	0.04882
	309	0.00632	0.00103	0.03346	0.00596	0.04677
	310	0.00582	0.00095	0.03213	0.00537	0.04427
3	311	0.00549	0.00499	0.04842	0.00441	0.06331
	312	0.00639	0.00109	0.03234	0.00457	0.04439

313	0.00485	0.00592	0.04487	0.00642	0.06207
314	0.01181	0.00086	0.04848	0.03406	0.09521
315	0.00590	0.00097	0.04626	0.00610	0.05923
316	0.02468	0.00085	0.03981	0.00655	0.07189
317	0.01661	0.00107	0.03393	0.00644	0.05806
318	0.01457	0.00108	0.03383	0.00669	0.05617
319	0.00558	0.00193	0.03383	0.01697	0.05831
320	0.01753	0.00101	0.04261	0.00663	0.06777
321	0.01658	0.00117	0.03466	0.00540	0.05781
322	0.00640	0.00087	0.03219	0.00516	0.04462
323	0.00524	0.00115	0.03469	0.00511	0.04620
324	0.02698	0.00117	0.04526	0.00450	0.07790
325	0.00573	0.00121	0.04772	0.00854	0.06321
326	0.00526	0.00100	0.03322	0.00831	0.04780
327	0.01206	0.00120	0.05163	0.00726	0.07214
328	0.00607	0.00086	0.03684	0.00705	0.05081
329	0.01810	0.00094	0.05634	0.00933	0.08471
330	0.00708	0.00092	0.03977	0.00886	0.05663
331	0.00565	0.01189	0.03325	0.00724	0.05803
332	0.00491	0.00095	0.03441	0.00731	0.04759
333	0.01522	0.00099	0.03286	0.00986	0.05892
334	0.00578	0.00088	0.04334	0.00880	0.05880
335	0.00544	0.00111	0.03629	0.00784	0.05068
336	0.00596	0.00087	0.05589	0.00709	0.06981
337	0.00560	0.00106	0.03841	0.00568	0.05075
338	0.00592	0.00084	0.03503	0.00556	0.04734
339	0.00477	0.00096	0.03309	0.00458	0.04340
340	0.01075	0.00216	0.03404	0.00480	0.05173
341	0.00556	0.00089	0.04868	0.00795	0.06308
342	0.00570	0.00088	0.05031	0.00735	0.06425
343	0.01290	0.00115	0.03589	0.00726	0.05721
344	0.00572	0.00094	0.03918	0.00559	0.05143
345	0.00555	0.00117	0.03846	0.00748	0.05267
346	0.00974	0.00105	0.03654	0.00740	0.05473
347	0.01408	0.00118	0.04489	0.00729	0.06744
348	0.00589	0.00157	0.04589	0.00562	0.05897
349	0.03030	0.00085	0.03966	0.01957	0.09037
350	0.00570	0.00106	0.03324	0.00708	0.04708
351	0.02154	0.00108	0.04765	0.00720	0.07748
352	0.00630	0.00126	0.04722	0.00562	0.06040
353	0.00540	0.00097	0.04851	0.00522	0.06010
354	0.00524	0.00094	0.04092	0.00537	0.05247
355	0.03218	0.00468	0.05411	0.00524	0.09621
356	0.00571	0.00085	0.05199	0.00483	0.06337
357	0.00520	0.00089	0.03550	0.00656	0.04816
358	0.00660	0.00470	0.03306	0.00528	0.04964

	359	0.00530	0.00090	0.03382	0.00877	0.04879
	360	0.00575	0.00121	0.03897	0.00560	0.05153
	361	0.01056	0.00344	0.03973	0.00582	0.05955
	362	0.00488	0.00099	0.03275	0.00519	0.04381
	363	0.00640	0.00153	0.05174	0.00856	0.06823
	364	0.00554	0.00092	0.04114	0.00554	0.05314
	365	0.01190	0.00115	0.03390	0.00585	0.05281
	366	0.00575	0.00131	0.04578	0.00529	0.05813
	367	0.00656	0.00092	0.04635	0.00874	0.06257
	368	0.00447	0.00126	0.03355	0.00556	0.04484
	369	0.00618	0.00091	0.03570	0.00509	0.04789
	370	0.00543	0.00092	0.05100	0.00513	0.06248
	371	0.00899	0.00110	0.04588	0.00683	0.06279
	372	0.00570	0.00091	0.03138	0.00440	0.04238
	373	0.00672	0.00096	0.04735	0.01007	0.06510
	374	0.00563	0.00096	0.05363	0.00524	0.06545
	375	0.00601	0.00094	0.03195	0.00511	0.04401
	376	0.00574	0.00112	0.03730	0.00666	0.05082
	377	0.00532	0.00089	0.03968	0.01017	0.05606
	378	0.00575	0.00089	0.05020	0.00640	0.06324
	379	0.00501	0.00157	0.04843	0.00639	0.06139
	380	0.01224	0.00100	0.04978	0.03624	0.09925
	381	0.01056	0.00089	0.03308	0.01075	0.05528
	382	0.00513	0.00479	0.03126	0.00641	0.04759
	383	0.02036	0.00088	0.03450	0.01086	0.06661
	384	0.00559	0.00080	0.05488	0.00635	0.06763
	385	0.02803	0.00117	0.03560	0.00566	0.07047
	386	0.00561	0.00094	0.03179	0.00533	0.04367
	387	0.00478	0.00093	0.03376	0.00565	0.04512
	388	0.00514	0.00105	0.03265	0.00447	0.04331
	389	0.00654	0.00111	0.03832	0.00584	0.05181
	390	0.00463	0.00091	0.03487	0.00829	0.04870
	391	0.00602	0.00108	0.03289	0.00686	0.04685
3	392	0.00555	0.00085	0.03930	0.00550	0.05119
	393	0.02403	0.00123	0.03181	0.00680	0.06386
	394	0.00584	0.00105	0.03618	0.00766	0.05074
	395	0.00471	0.00100	0.03878	0.00660	0.05109
	396	0.00595	0.00109	0.03243	0.00685	0.04633
	397	0.00663	0.00092	0.04012	0.00705	0.05472
	398	0.01059	0.00115	0.04079	0.00775	0.06027
	399	0.00559	0.00104	0.04006	0.00636	0.05305
	400	0.00574	0.00091	0.03638	0.00694	0.04996
	401	0.00581	0.00101	0.03481	0.00550	0.04713
	402	0.00758	0.00103	0.05075	0.00765	0.06702
	403	0.00565	0.00088	0.04169	0.00443	0.05264
	404	0.00499	0.00081	0.03518	0.00751	0.04850

3	405	0.02065	0.00132	0.03627	0.00608	0.06433
	406	0.00489	0.00124	0.04044	0.00616	0.05273
	407	0.00645	0.00108	0.05132	0.00562	0.06446
	408	0.00490	0.00109	0.03694	0.00744	0.05036
	409	0.00551	0.00101	0.03650	0.00677	0.04978
	410	0.00598	0.00101	0.03958	0.00604	0.05261
	411	0.00592	0.00108	0.03162	0.00648	0.04510
	412	0.00456	0.00101	0.05194	0.00842	0.06593
	413	0.00550	0.00104	0.05174	0.00661	0.06490
	414	0.01740	0.00626	0.04994	0.00643	0.08003
	415	0.00502	0.00102	0.03904	0.00624	0.05132
	416	0.00556	0.00092	0.04432	0.00971	0.06051
	417	0.00584	0.00161	0.05293	0.00964	0.07003
	418	0.00485	0.00110	0.03255	0.00565	0.04415
	419	0.00945	0.00105	0.03153	0.00496	0.04699
	420	0.00533	0.00137	0.04989	0.00607	0.06267
	421	0.00689	0.00107	0.03617	0.01215	0.05628
	422	0.00644	0.00084	0.04225	0.01224	0.06177
	423	0.00582	0.00101	0.03681	0.00560	0.04924
	424	0.00589	0.00100	0.03439	0.00569	0.04698
	425	0.00544	0.00102	0.04761	0.01354	0.06761
	426	0.00527	0.00097	0.04819	0.01205	0.06648
	427	0.00522	0.00097	0.03674	0.00538	0.04832
	428	0.00563	0.00101	0.03709	0.00569	0.04941
	429	0.00703	0.00422	0.03139	0.01141	0.05406
	430	0.00502	0.00106	0.03533	0.01197	0.05337
	431	0.02212	0.00106	0.03228	0.00540	0.06086
	432	0.01681	0.00108	0.04008	0.00584	0.06380

Tabla I.16: Tiempos máximos de procesamiento por frame en el filtro de seguimiento.