

ANEXO 1. Los valores de peso, volumen medido y área superficial estimada de las muestras.

Alimento	N°	Peso medido (g)	Volumen medido (cm ³)	Volumen estimado [♦] (cm ³)	Área superficial estimada [♦] (cm ²)
Papa	1	66.6168	60.35	59.4253	78.0040
	2	66.2907	58.63	57.6847	75.8983
	3	66.4010	58.95	57.9686	76.1791
Olluco	1	22.3901	19.68	19.2619	35.2525
	2	23.4205	20.57	20.1589	36.2269
	3	23.7810	20.42	20.0843	36.2171
Isaño	1	29.8234	31.18	30.3863	60.6194
	2	29.8944	30.76	31.2002	59.0929
	3	27.3203	27.08	26.6140	51.6168
Oca	1	31.1578	28.32	27.7357	52.4493
	2	31.7999	28.62	28.2178	52.5192
	3	29.5419	27.47	27.2537	50.1667

♦ Valores dado por Geomagic Design X.

ANEXO 2. Panel frontal de configuración en programa LabVIEW para obtener datos de registro de temperaturas.

CONFIGURACIÓN **REGISTRO DE DATOS**

CONFIGURACIÓN DE CANALES DE ENTRADA

global virtual channels

$I/\%$

Muestras por Segundo: 1000.00

Muestras por Canal: 1000

CONTROL DE TIEMPO

Tiempo Alto: 9:02:15

Tiempo Medio:

Tiempo Bajo:

HORA Y FECHA

Tiempo: 1

Hora: 01:41:14 p.m.

Fecha: 28/09/2019

SENSORES DE TEMPERATURA

Temp. P1: 0.000

Temp. P2: 0.000

STOP

offset (0): 10


Diseño y Programación:

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AvailSampPerChan: 0

TESIS: Reconstrucción tridimensional de tuberculos andinos de formas irregulares, para la simulación en la transferencia de calor por conducción durante el calentamiento.

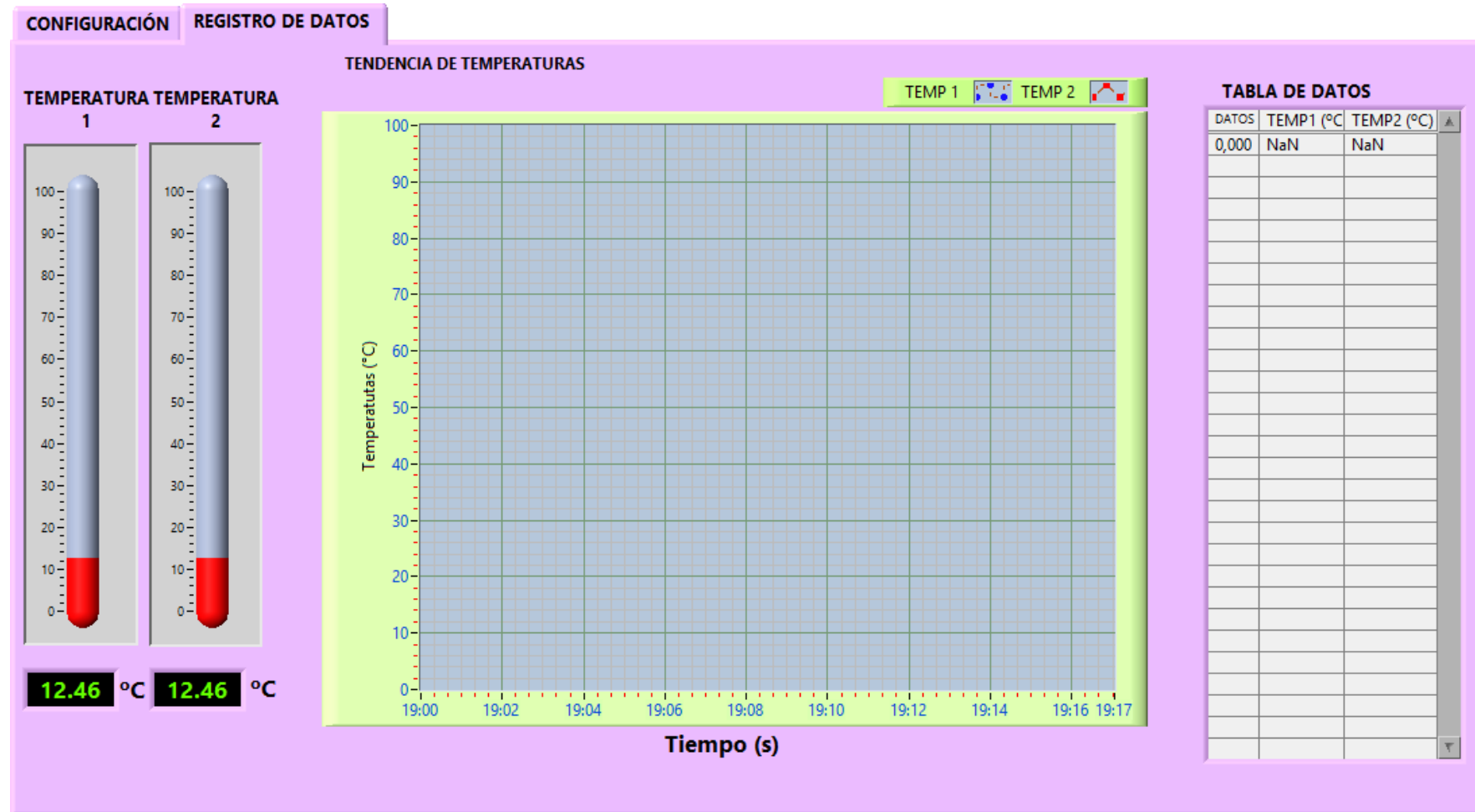
RUTA DE ARCHIVO EXCEL: D:\REPORTE\OCA1.xls



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Panel frontal registro de datos en programa LabVIEW.



ANEXO 3. Ejemplo de cálculo de composición proximal ponderada a partir del contenido de humedad.

Se tomó como ejemplo el contenido de fibra de isaño. Según Tabla 4 según bibliografía, este corresponde al 1.53 % y la humedad es de un 87.13 %. A continuación, se determinó el porcentaje de sólidos por diferencia, de la siguiente manera:

$$\begin{aligned}
 \% \text{ Sólidos} &= 100 - \% \text{ Humedad} \\
 &= 100 - 87.13 \\
 &= 12.87 \% \text{ de sólidos en bibliografía}
 \end{aligned}$$

Considerando el contenido de humedad medido por método gravimétrico fue 88.70 %, luego se determinó el porcentaje de sólidos para isaño.

$$\begin{aligned}
 \% \text{ Sólidos} &= 100 - \% \text{ Humedad} \\
 &= 100 - 88.70 \\
 &= 11.30 \% \text{ de sólidos en bibliografía}
 \end{aligned}$$

Tomando como base cálculo de 100 g de sólidos y un porcentaje de fibra en Tabla 4 de 1.53 % según bibliografía, se obtiene los gramos de fibra en los sólidos.

$$\begin{array}{r}
 12.87 \% \text{ de sólidos} \quad \dots \dots \dots \quad 100 \text{ g de sólidos} \\
 1.53 \% \text{ de fibra} \quad \dots \dots \dots \quad x \\
 x = 11.89 \text{ g de fibra en los sólidos.}
 \end{array}$$

Finalmente, ponderando para isaños utilizados.

$$\begin{array}{r}
 11.30 \% \text{ de sólidos} \quad \dots \dots \dots \quad 100 \text{ g de sólidos} \\
 x \quad \dots \dots \dots \quad 11.89 \% \text{ de fibra} \\
 x = 1.35 \text{ g de fibra ponderada.}
 \end{array}$$

ANEXO 4. Propiedad del agua en función de la temperatura.

Temperatura		Densidad ρ (kg/m ³)	Coeficiente de expansión térmica volumétrica β (x10 ⁻⁴ K ⁻¹)	Conductividad térmica k (W/[m °C])	Viscosidad Absoluta μ (x10 ⁻⁶ Pa s)	Número de Prandtl N_{Pr}
T (°C)	T (K)					
0	273.15	999.9	2 0.7	0.558	1793.636	13.7
5	278.15	1000.0	—	0.568	1534.741	11.4
10	283.15	999.7	0.95	0.577	1296.439	9.5
15	288.15	999.1	—	0.587	1135.610	8.1
20	293.15	998.2	2.1	0.597	993.414	7.0
25	298.15	997.1	—	0.606	880.637	6.1
30	303.15	995.7	3.0	0.615	792.377	5.4
35	308.15	994.1	—	0.624	719.808	4.8
40	313.15	992.2	3.9	0.633	658.026	4.3
45	318.15	990.2	—	0.640	605.070	3.9
50	323.15	988.1	4.6	0.647	555.056	3.55
55	328.15	985.7	—	0.652	509.946	3.27
60	333.15	983.2	5.3	0.658	471.650	3.00
65	338.15	980.6	—	0.663	435.415	2.76
70	343.15	977.8	5.8	0.668	404.034	2.55
75	348.15	974.9	—	0.671	376.575	2.23
80	353.15	971.8	6.3	0.673	352.059	2.25
85	358.15	968.7	—	0.676	328.523	2.04
90	363.15	965.3	7.0	0.678	308.909	1.95
95	368.15	961.9	—	0.680	292.238	1.84
100	373.15	958.4	7.5	0.682	277.528	1.75

FUENTE: Singh & Heldman (2014).

ANEXO 5. Correlaciones de Choi y Okos (1985) para estimar propiedades de alimentos la conductividad térmica (k), densidad (ρ), calor específico (c_p) con respecto a la composición y temperatura (0 a 150°C) de los alimentos.

Propiedad	Forma del modelo	Componente	Ecuación en función a la temperatura
Conductividad k (W/m°C)	$k = \sum_i k_i X_i^v$	Proteína	$k = 1.7881 * 10^{-1} + 1.1958 * 10^{-3}T - 2.7178 * 10^{-6}T^2$
		Grasa	$k = 1.8071 * 10^{-1} - 2.7604 * 10^{-4}T - 1.7749 * 10^{-7}T^2$
		Carbohidrato	$k = 2.0141 * 10^{-1} + 1.3874 * 10^{-3}T - 4.3312 * 10^{-6}T^2$
		Fibra	$k = 1.8331 * 10^{-1} + 1.2497 * 10^{-3}T - 3.1683 * 10^{-6}T^2$
		Ceniza	$k = 3.2962 * 10^{-1} + 1.4011 * 10^{-3}T - 2.9069 * 10^{-6}T^2$
		Agua	$k = 5.7109 * 10^{-1} + 1.7625 * 10^{-3}T - 6.7036 * 10^{-6}T^2$
Difusividad térmica $\alpha * 10^{-6}$ (m ² /s)	$\alpha = \sum_i \alpha_i X_i^v$	Proteína	$\alpha = 6.8114 * 10^{-2} + 4.7578 * 10^{-4}T - 1.4646 * 10^{-6}T^2$
		Grasa	$\alpha = 9.8777 * 10^{-2} - 1.2569 * 10^{-4}T - 3.8286 * 10^{-8}T^2$
		Carbohidrato	$\alpha = 8.0842 * 10^{-2} + 5.3052 * 10^{-4}T - 2.3218 * 10^{-6}T^2$
		Fibra	$\alpha = 7.3976 * 10^{-2} + 5.1902 * 10^{-4}T - 2.2202 * 10^{-6}T^2$
		Ceniza	$\alpha = 1.2461 * 10^{-1} + 3.7321 * 10^{-4}T - 1.2244 * 10^{-6}T^2$
		Agua	$\alpha = 1.3168 * 10^{-1} + 6.2477 * 10^{-4}T - 2.4022 * 10^{-6}T^2$
Densidad ρ (kg/m ³)	$\rho = \frac{1}{\sum_i (X_i^m / \rho_i)}$	Proteína	$\rho = 1.3299 * 10^3 - 5.1840 * 10^{-1}T$
		Grasa	$\rho = 9.2559 * 10^2 - 4.1757 * 10^{-1}T$
		Carbohidrato	$\rho = 1.5991 * 10^3 - 3.1046 * 10^{-1}T$
		Fibra	$\rho = 1.3115 * 10^3 - 3.6589 * 10^{-1}T$
		Ceniza	$\rho = 2.4238 * 10^3 - 2.8063 * 10^{-1}T$
		Agua	$\rho = 9.9718 * 10^2 + 3.1439 * 10^{-3}T - 3.7574 * 10^{-3}T^2$
Calor específico C_p ($\frac{KJ}{kg^\circ C}$)	$C_p = \sum_i C_{pi} X_i^m$	Proteína	$C_p = 2.0082 + 1.2089 * 10^{-3}T - 1.3129 * 10^{-6}T^2$
		Grasa	$C_p = 1.9842 + 1.4733 * 10^{-3}T - 4.8008 * 10^{-6}T^2$
		Carbohidrato	$C_p = 1.5488 + 1.9625 * 10^{-3}T - 5.9399 * 10^{-6}T^2$
		Fibra	$C_p = 1.8459 + 1.8306 * 10^{-3}T - 4.6509 * 10^{-6}T^2$
		Ceniza	$C_p = 1.0926 + 1.8896 * 10^{-3}T - 3.6817 * 10^{-6}T^2$
		Agua	$C_p = 4.1762 - 9.0864 * 10^{-5}T + 5.4731 * 10^{-6}T^2$

ANEXO 6. Ejemplo de cálculo del coeficiente convectivo de transferencia de calor (**h**).

El siguiente ejemplo muestra el cálculo del coeficiente convectivo durante el calentamiento para oca N° 1.

Datos:

T_0	Temperatura inicial	=	18.94 °C
T_∞	Temperatura del medio	=	85 °C
A_s	Área superficial del modelo 3D de oca	=	0.00524493 m ²
L	Longitud de oca	=	0.0730514 m
g	Aceleración gravitacional,	=	9.80665 m/s ²

Cada parámetro de esta ecuación se calculó como sigue:

- ΔT se calculó de la siguiente forma:

$$\Delta T = |T_0 - T_\infty| = |18.94 - 85| = 66.06 \text{ °C}$$

- D se calculó según el supuesto de que el área superficial de la geometría irregular de la oca dada por el modelo digital 3D es equivalente al área superficial de un cilindro infinito de igual longitud:

$$\begin{aligned} A_{\text{superficial alimento}} &\equiv A_{\text{superficial cilindro infinito}} \\ &= 2 \cdot \pi \cdot r \cdot L \\ &= \pi \cdot D \cdot L \\ D &= \frac{A_{\text{superficial alimento}}}{\pi \cdot L} \end{aligned}$$

Reemplazando:

$$D = \frac{0.0052449298 \text{ m}^2}{\pi \cdot 0.0730514 \text{ m}} = 0.02285394 \text{ m}$$

- Los valores β , ρ y μ se obtuvieron de la tabla de propiedades del agua del ANEXO 4. en función de la temperatura de película o film.

$$T_{\text{film}} = \frac{T_s + T_{\infty}}{2} = \frac{18.94 + 85}{2} = 51.97 \text{ }^{\circ}\text{C}$$

- Interpolando este resultado en la tabla, se obtuvieron los siguientes valores:

T (°C)	β (*10 ⁻⁴ K ⁻¹)	$\mu \cdot 10^{-6}$ (Pa*s)	ρ (kg/m ³)	k [W/(m K)]	N_{Pr}
50.00	4.6000	555.05600	988.10	0.64700	3.55
51.97	4.8758	537.28266	987.1544	0.64897	3.4397
55.00	5.3000	509.94600	985.70	0.65200	3.27

- Luego reemplazando los valores en número de Grashof queda como sigue:

$$\begin{aligned}
 N_{Gr} &= \frac{D^3 \cdot \rho^2 \cdot g \cdot \beta \cdot \Delta T}{\mu^2} \\
 &= \frac{0.022285394^3 \cdot 987.1544^2 \cdot 9.80665 \cdot 4.8758 \cdot 10^{-4} \cdot 66.06}{(537.28266 \cdot 10^{-6})^2} \\
 &= 12727789.25
 \end{aligned}$$

- Luego de obtenido el Número de Grashof, se obtiene el valor del Número de Prandtl por interpolación con la temperatura de film en la tabla de propiedades del agua del ANEXO 4.:

$$Pr = 3.4397$$

- El número de Rayleigh es el producto de dos números adimensionales, el número de Grashof y el de Prandtl.

$$\begin{aligned}
 N_{Ra} &= N_{Gr} \cdot N_{Pr} = 12727789.25 \cdot 3.4397 \\
 &= 43779522.14
 \end{aligned}$$

- Teniendo los números adimensionales de Rayleigh y Prandtl, luego se obtiene el número de Nusselt utilizando en la ecuación siguiente citado de correlaciones

empíricas del número promedio de Nusselt para la convección natural sobre superficies para configuración geométrica cilindro horizontal bajo régimen de convección natural:

$$N_{Nu} = \left\{ 0.6 + \frac{0.387 \cdot N_{Ra}^{\frac{1}{6}}}{\left[1 + \left(\frac{0.559}{N_{Pr}} \right)^{\frac{9}{16}} \right]^{\frac{8}{27}}} \right\}^2 = \left\{ 0.6 + \frac{0.387 \cdot 43779522.146^{\frac{1}{6}}}{\left[1 + \left(\frac{0.559}{3.4397} \right)^{\frac{9}{16}} \right]^{\frac{8}{27}}} \right\}^2$$

$$= 52.31469$$

- Finalmente, la conductividad térmica se obtiene interpolando con la temperatura de film en la tabla de propiedades del agua del ANEXO 4.:

$$k = 0.64897 \text{ W/m K}$$

Y despejamos **h** de la ecuación siguiente, quedando:

$$h = \frac{N_{Nu} \cdot k}{D} = \frac{52.31469 \cdot 0.64897}{0.02285394}$$

$$= 1485.55 \frac{\text{W}}{\text{m}^2\text{°C}}$$

ANEXO 7. Parámetros de caracterización de los alimentos evaluados.

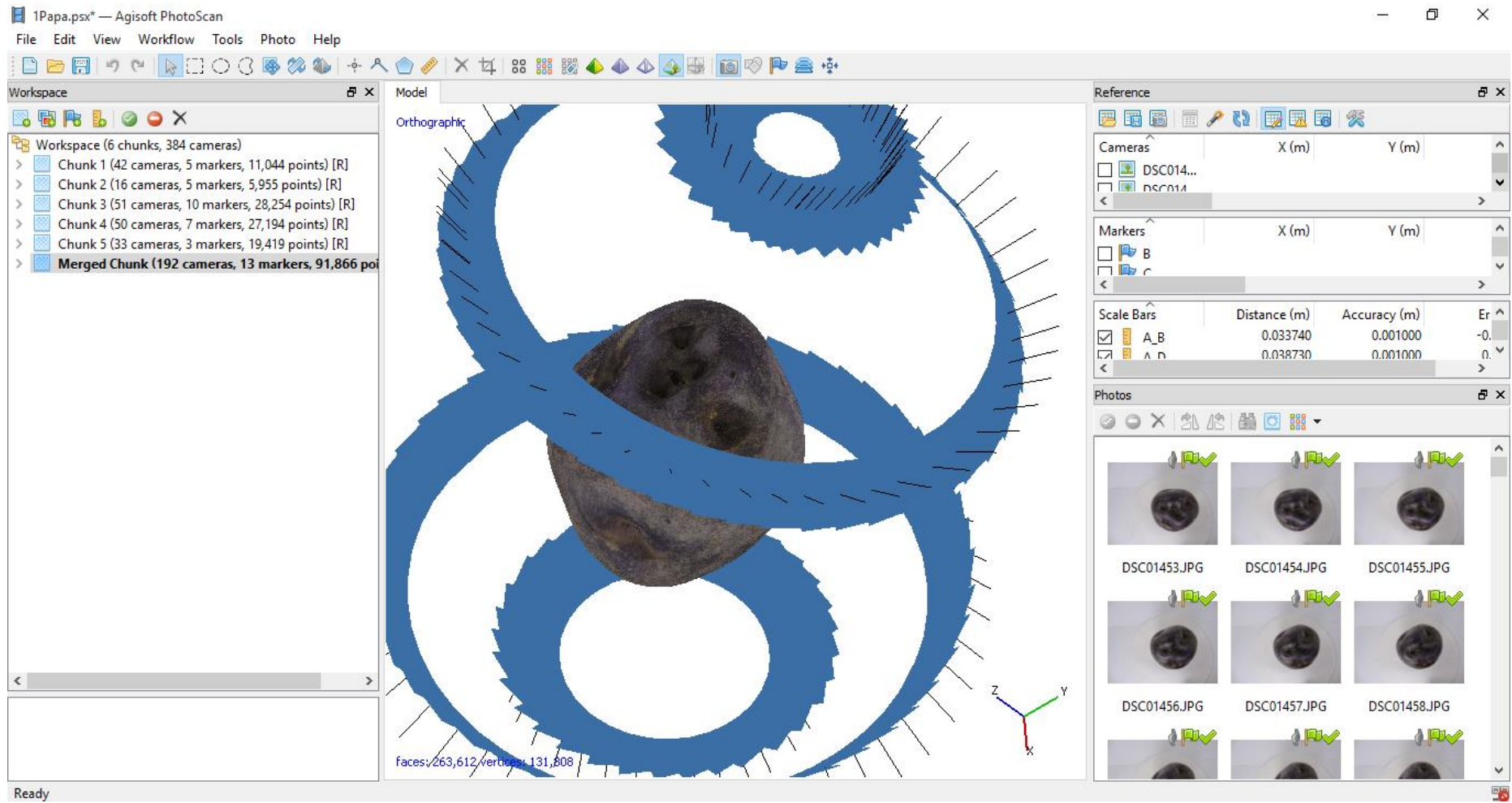
Alimento	N°	D (m)	V _{geom irr} ♦ (m ³)	A _{sup} ♦ (m ²)	V/A _{sup} (m)	L (longitud) (m)
Papa	1	0.04982916	0.00005943	0.00780040	0.00761824	0.05140
	2	0.04915199	0.00005768	0.00758983	0.00760026	0.05051
	3	0.04924282	0.00005797	0.00761791	0.00760952	0.05105
Olluco	1	0.03349811	0.00001926	0.00352525	0.00546398	0.03527
	2	0.03395789	0.00002016	0.00362269	0.00556462	0.03524
	3	0.03395331	0.00002008	0.00362171	0.00554552	0.03488
Isaño	1	0.02249473	0.00003039	0.00606194	0.00501263	0.08578
	2	0.02223731	0.00003120	0.00590929	0.00527986	0.08459
	3	0.02027097	0.00002661	0.00516168	0.00515607	0.08105
Oca	1	0.02285394	0.00002774	0.00524493	0.00528810	0.07305
	2	0.02303013	0.00002822	0.00525192	0.00537286	0.07259
	3	0.02353976	0.00002725	0.00501667	0.00543263	0.06784

♦ Valores dado por Geomagic Design X.

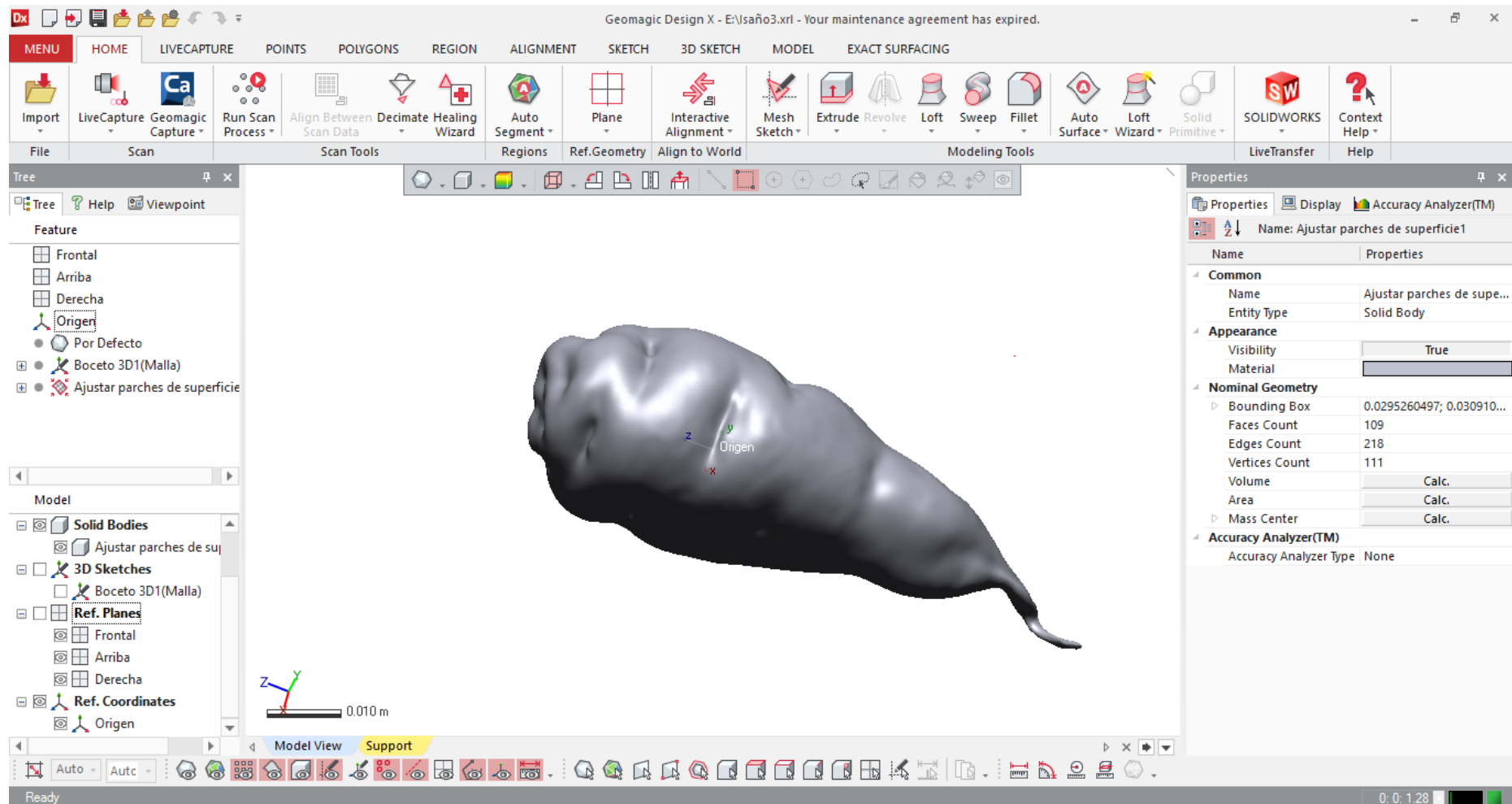
ANEXO 8. Parámetros calculados para determinar el coeficiente convectivo de transferencia de calor **h** para cada alimento evaluado.

Alimento	N°	T _o (°C)	T _∞ (°C)	ΔT (°C)	T _{film} (°C)	β (*10 ⁻⁴ K ⁻¹)	μ*10 ⁻⁶ (Pa*s)	ρ (kg/m ³)	k [W/(m K)]	N _{Pr}	N _{Gr}	N _{Ra}	N _{Nu}	h [W/(m ² K)]
Papa	1	15.19	85.00	69.81	50.10	4.6067	554.19891	988.05	0.64710	3.54468	124023672.12	439624230.08	77.37315	1004.79
	2	17.95	85.00	67.05	51.48	4.8065	541.74855	987.39	0.64848	3.46740	124668091.13	432274139.20	76.95531	1015.29
	3	20.23	85.00	64.77	52.62	4.9661	531.46347	986.84	0.64962	3.40356	129864261.92	442000807.32	77.28735	1019.58
Olluco	1	15.19	85.00	69.81	50.10	4.6133	554.19891	988.05	0.64710	3.54468	37734722.85	133757517.37	57.97909	1120.00
	2	19.12	85.00	65.88	52.06	4.8884	536.47068	987.11	0.64906	3.43464	41870012.59	143808420.06	58.89258	1125.65
	3	18.00	85.00	67.00	51.50	4.8100	541.52300	987.38	0.64850	3.46600	41126490.38	142544415.66	58.79883	1123.04
Isaño	1	18.34	85.00	66.66	51.67	4.8338	539.98926	987.30	0.64867	3.45648	12023854.29	41560211.86	51.50989	1485.37
	2	19.03	85.00	65.97	52.02	4.8821	536.87667	987.13	0.64902	3.43716	11741480.47	40357347.01	51.02684	1489.26
	3	20.00	85.00	65.00	52.50	4.9500	532.50100	986.90	0.64950	3.41000	9027509.89	30783808.73	46.95504	1504.48
Oca	1	18.94	85.00	66.06	51.97	4.8758	537.28266	987.15	0.64897	3.43968	12727789.25	43779522.14	52.31469	1485.55
	2	16.95	85.00	68.05	50.98	4.7365	546.25955	987.63	0.64798	3.49540	12620816.54	44114802.14	52.50483	1477.27
	3	19.00	85.00	66.00	52.00	4.8800	537.01200	987.14	0.64900	3.43800	13921301.00	47861432.85	53.75862	1482.15

ANEXO 9. Interfaz gráfica de usuario en ventana de aplicación Agisoft PhotoScan con vista general.



ANEXO 10. Interfaz gráfica de usuario en ventana de aplicación Geomagic Design X con vista general.



ANEXO 11. Interfaz gráfica de usuario en ventana de aplicación COMSOL Multiphysics con vista general.

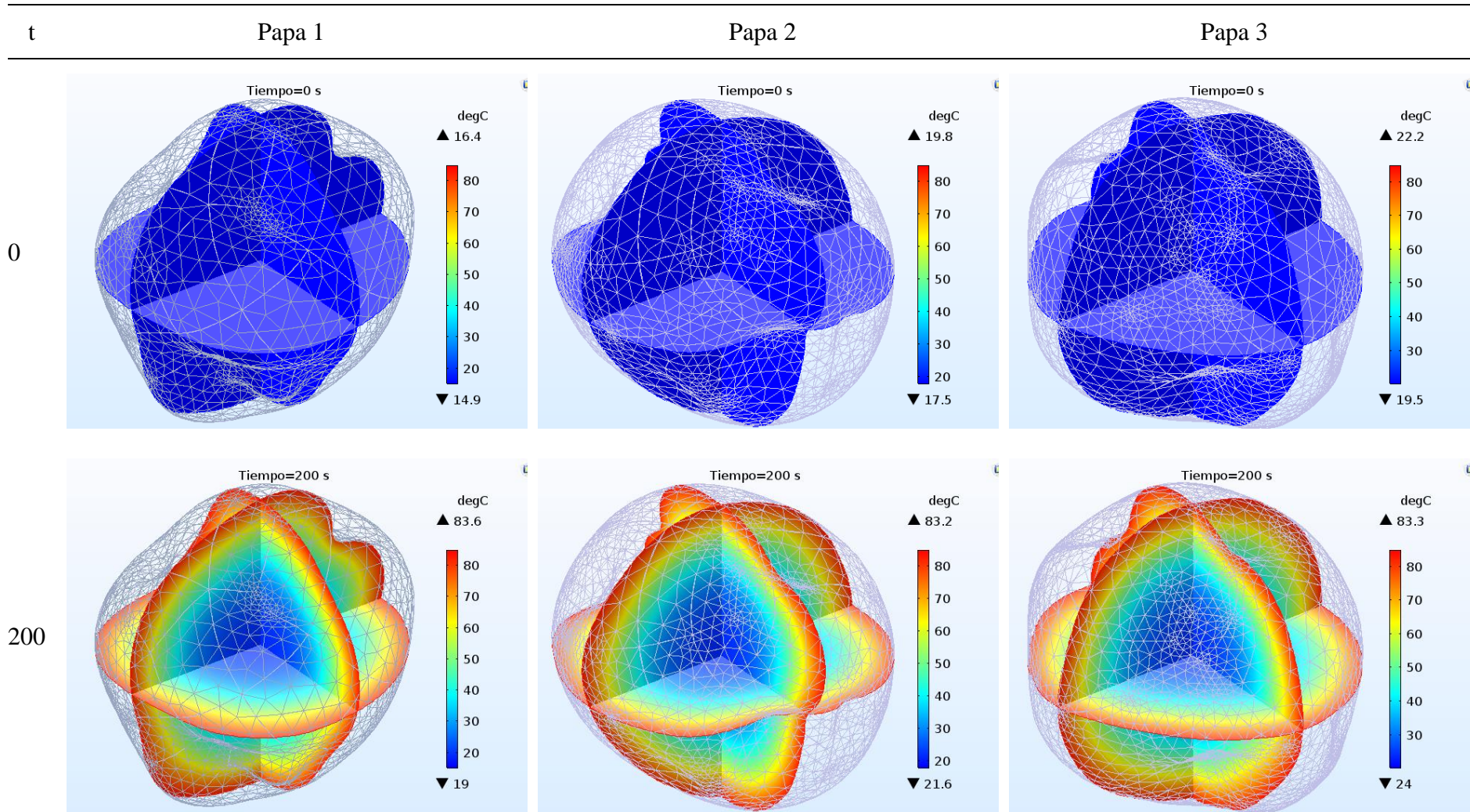
The image displays the COMSOL Multiphysics software interface. At the top, the title bar reads "Olluco2.mph - COMSOL Multiphysics". Below it is a ribbon menu with tabs for File, Home, Definitions, Geometry, Materials, Physics, Mesh, Study, Results, Developer, and Grupo gráfico 3D 3. The ribbon contains various icons for actions like Application Builder, Component, Parameters, Build All, Add Material, Transferecia de calor en sólidos, Add Physics, Build Mesh, Malla 1, Compute Estudio 1, Add Study, Grupo gráfico 3D 3, Add Plot Group, Windows, and Reset Desktop.

The main workspace is divided into three main panels:

- Model Builder:** Located on the left, it shows a hierarchical tree of the model. The tree includes "Componente 1 (comp 1)" with sub-items like "Definiciones", "Geometría 1", "Materiales", "Transferecia de calor en sólidos", "Malla 1", "Estudio 1", and "Results". Under "Results", there are "Data Sets" (including "Estudio 1/Solución 1 (sol1)", "Punto de corte en 3D 1", and "Plano de corte 1"), "Views", "Derived Values", "Tables", "Temperatura (ht)", "Contornos isotérmicos (ht)", "Grupo gráfico 3D 3" (selected), "Malla 1", "Rebanadas múltiples 1", "Grupo gráfico 1D 4", "Grupo gráfico 2D 5", "Curva de nivel 1", "Superficie 1", and "Export" (including "Gráfico 1" and "Animación 1").
- Settings/Properties:** Located in the middle-left, it shows settings for the "3D Plot Group". The "Label" is "Grupo gráfico 3D 3". Under "Data", the "Data set" is "Estudio 1/Solución 1 (sol1)" and "Time (s)" is "0". Under "Plot Settings", the "View" is "Automatic", and "Plot data set edges" is checked. The "Color" is set to "Custom" with a yellow-to-blue gradient. The "Frame" is "Material (X, Y, Z)". Under "Color Legend", "Show legends", "Show maximum and minimum values", and "Show units" are all checked.
- Graphics:** Located on the right, it displays a 3D plot of a sphere with a temperature distribution. The sphere is rendered with a mesh and a color gradient from blue (low temperature) to red (high temperature). The axes are labeled "x", "y", and "z". The plot is titled "Time=0". A color legend on the right indicates the temperature scale in "degC", ranging from 19.5 (blue) to 81.2 (red). The plot is set to "Automatic" view.

At the bottom of the interface, there is a "Messages" panel with tabs for "Messages", "Progress", "Log", and "Table". The status bar at the very bottom shows "993 MB | 1104 MB".

ANEXO 12. Diagramas de simulación en la transferencia de calor 3D en papa cada 200 segundos.



Continua

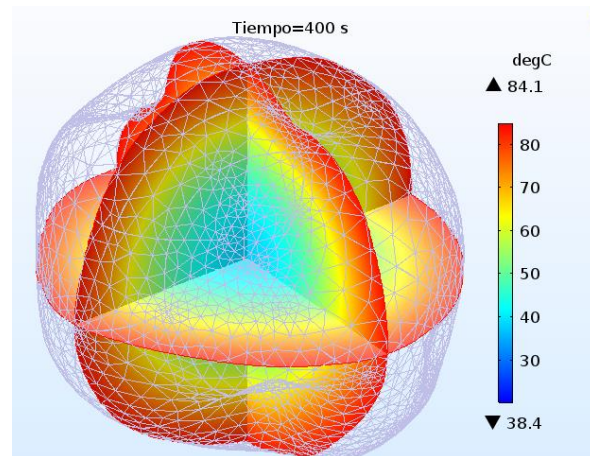
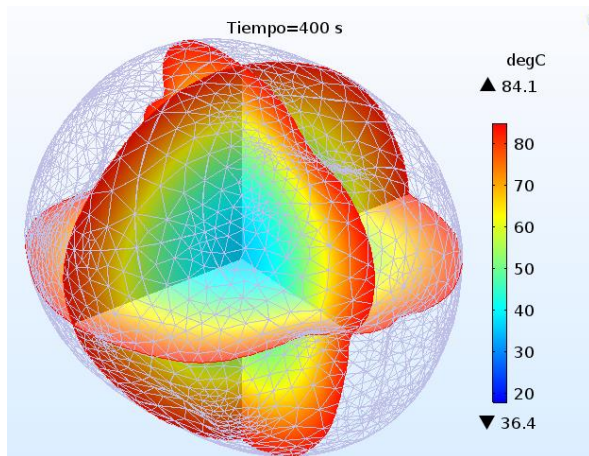
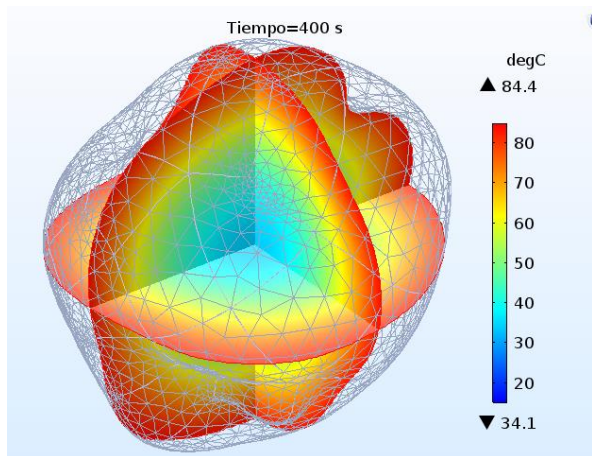
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Papa 1

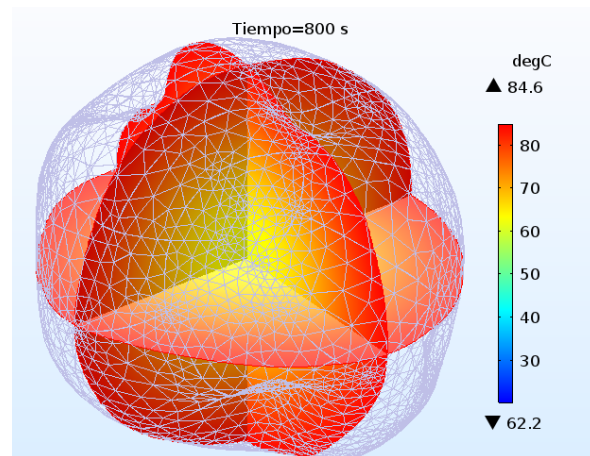
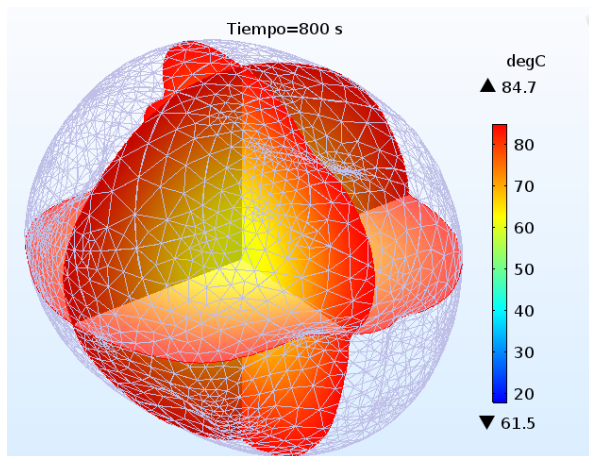
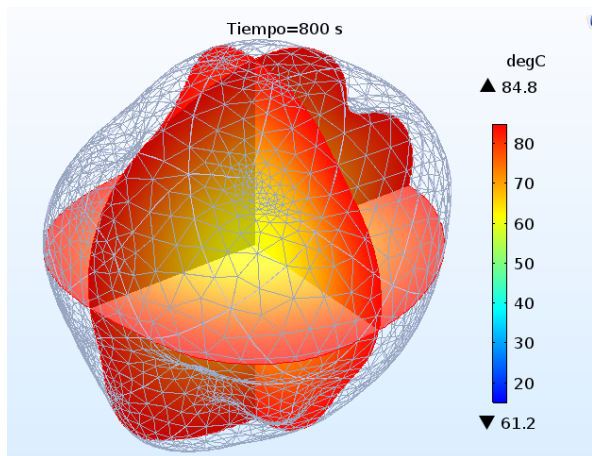
Papa 2

Papa 3

400

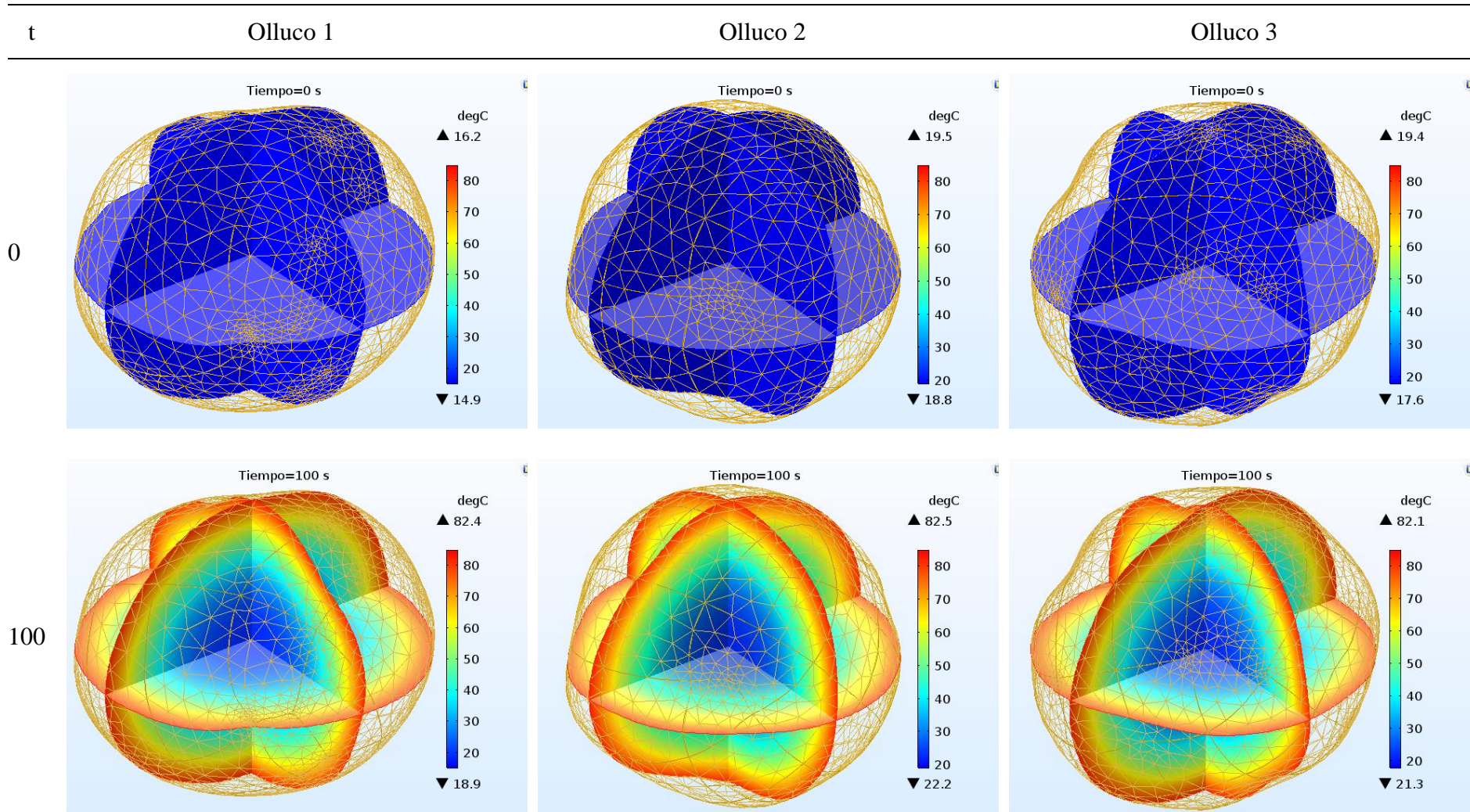


800



Continua

ANEXO 13. Diagramas de simulación en la transferencia de calor 3D en olluco cada 100 segundos.



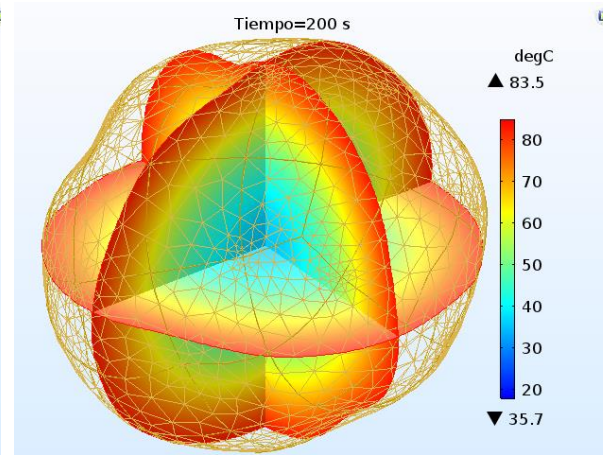
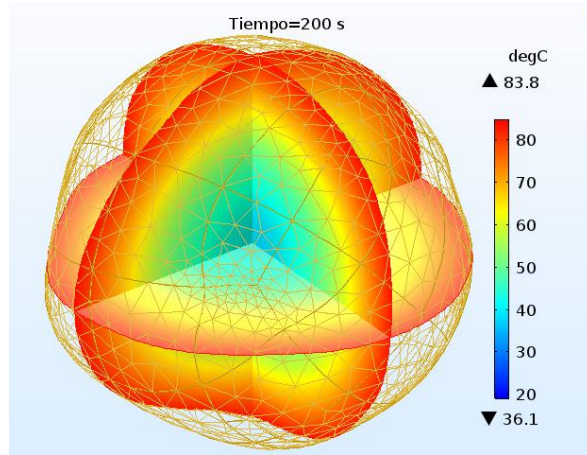
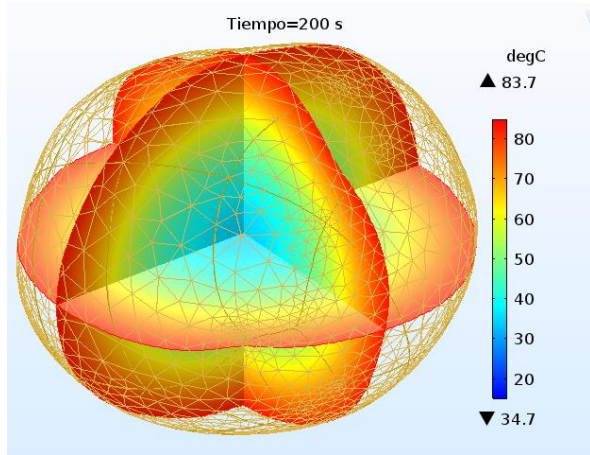
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Olluco 1

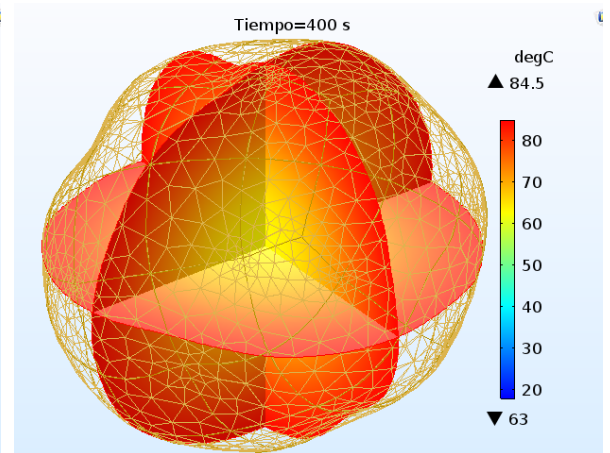
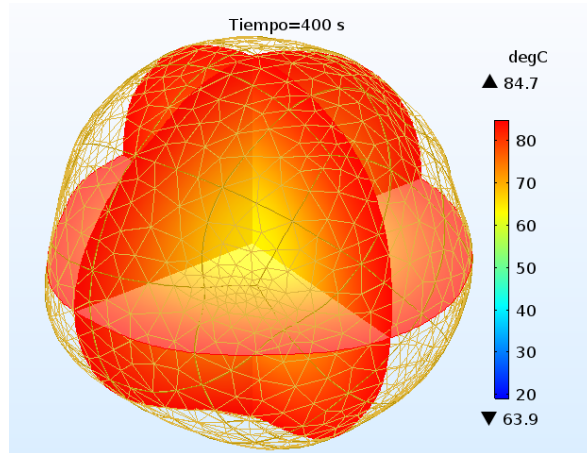
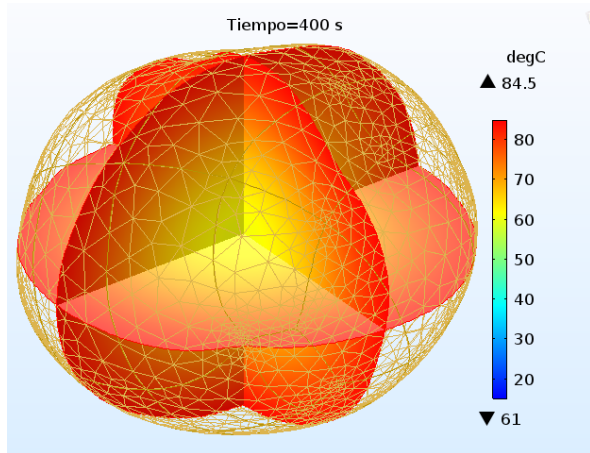
Olluco 2

Olluco 3

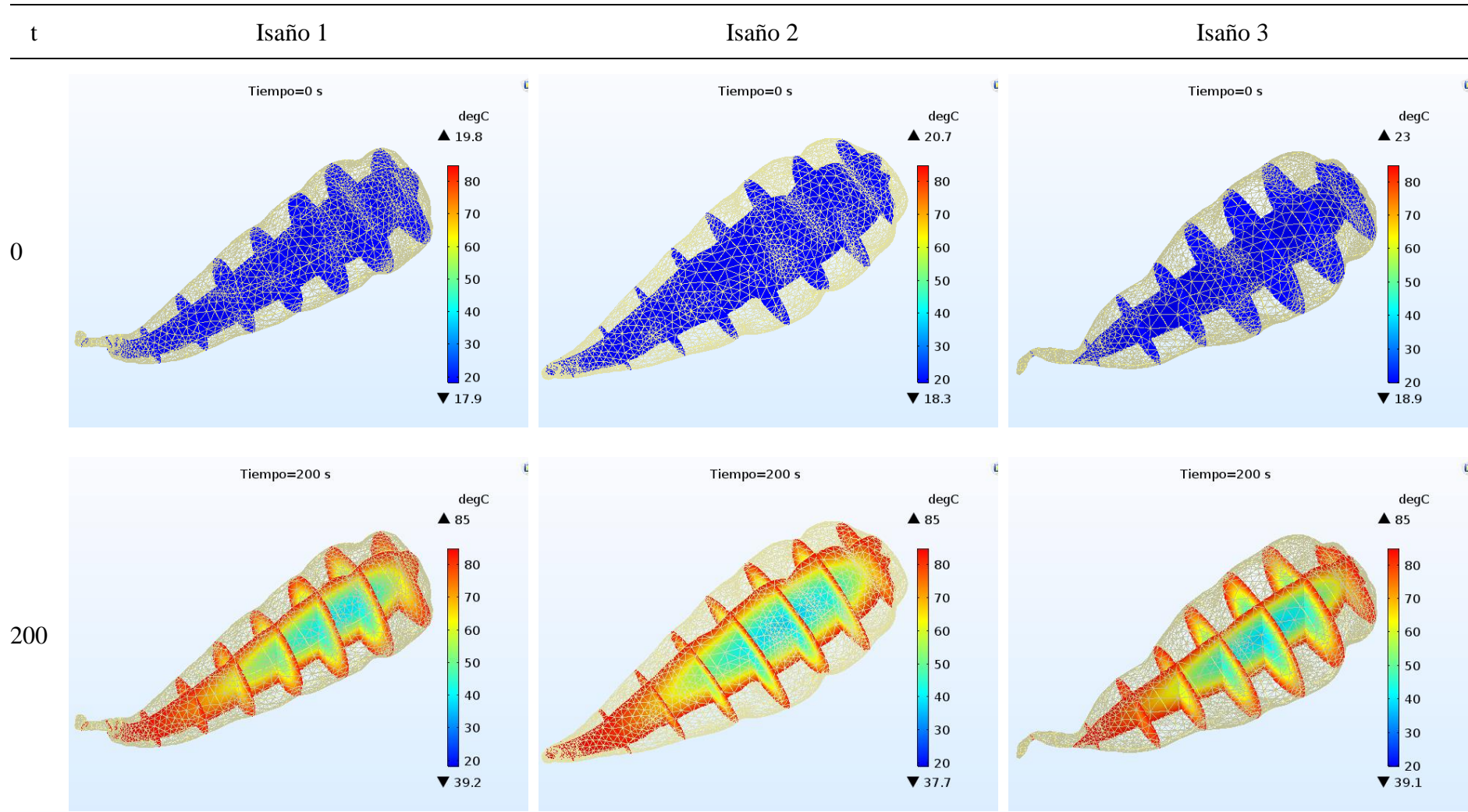
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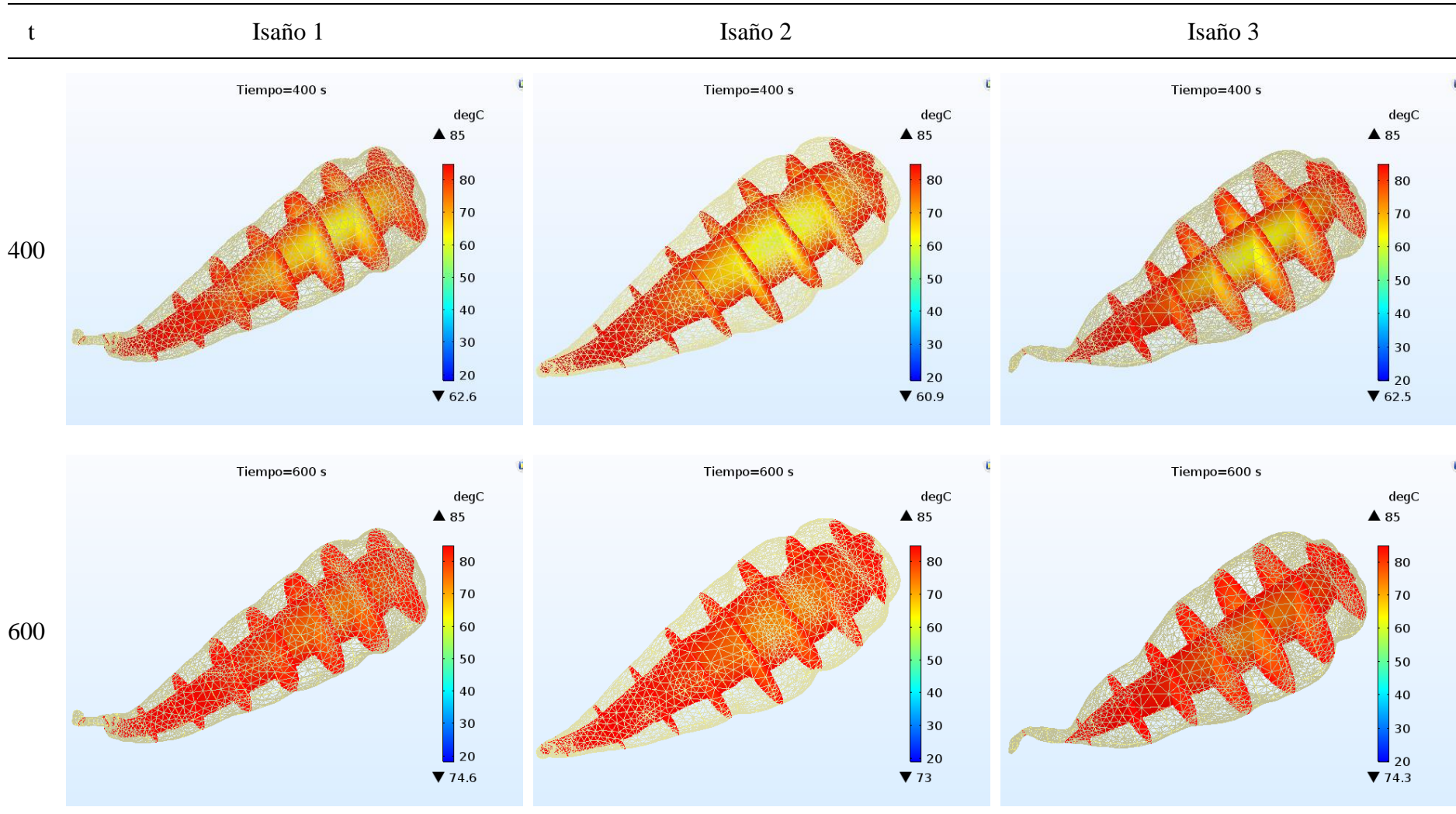
400



ANEXO 14. Diagramas de simulación en la transferencia de calor 3D en isaño cada 200 segundos.

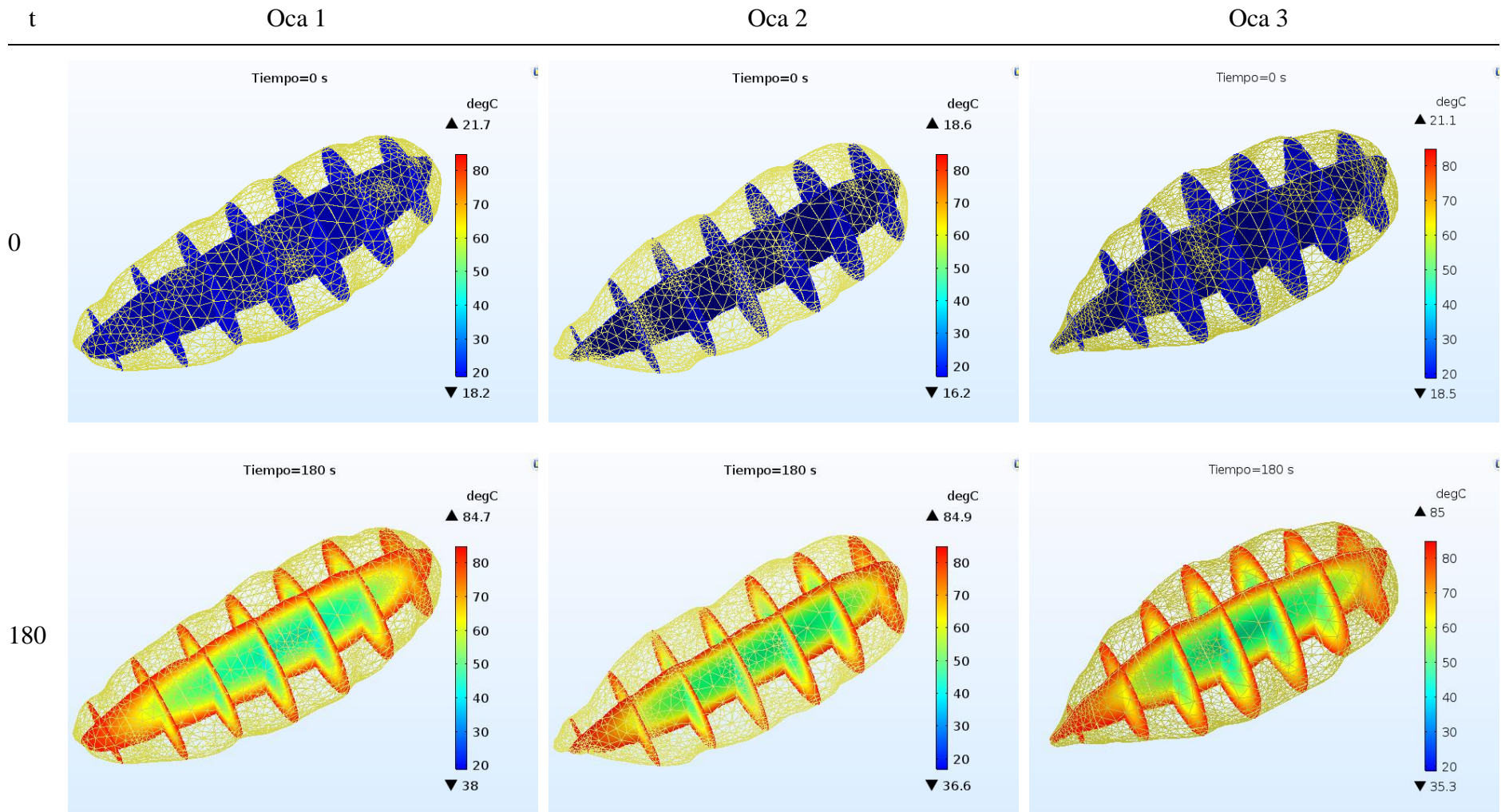


Continua



Continua

ANEXO 15. Diagramas de simulación en la transferencia de calor 3D en oca cada 180 segundos.



Continua

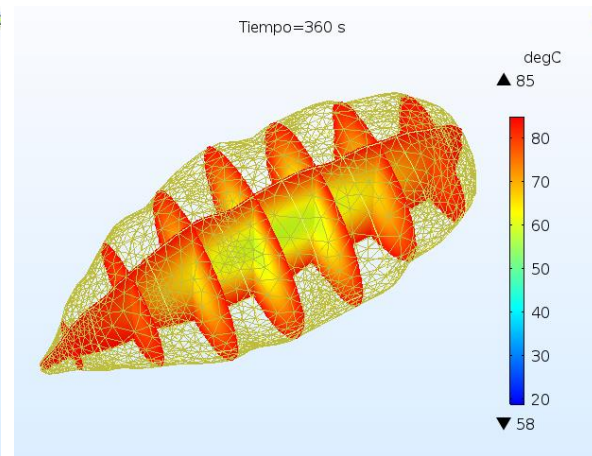
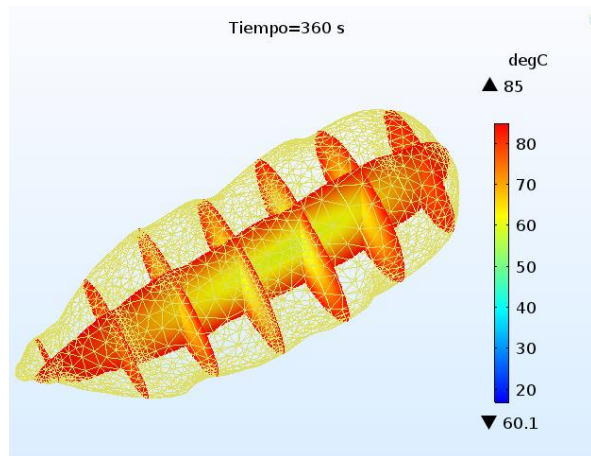
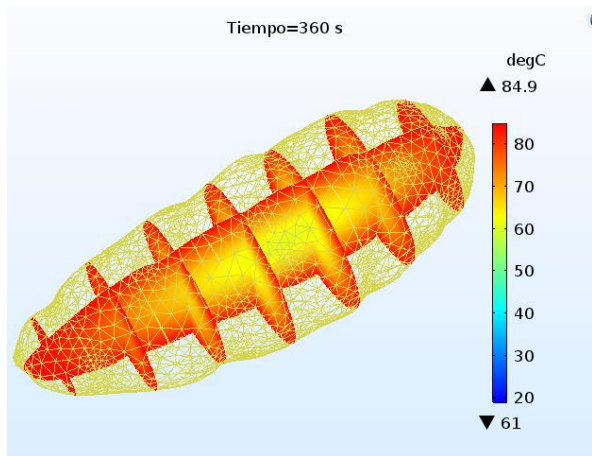
t

Oca 1

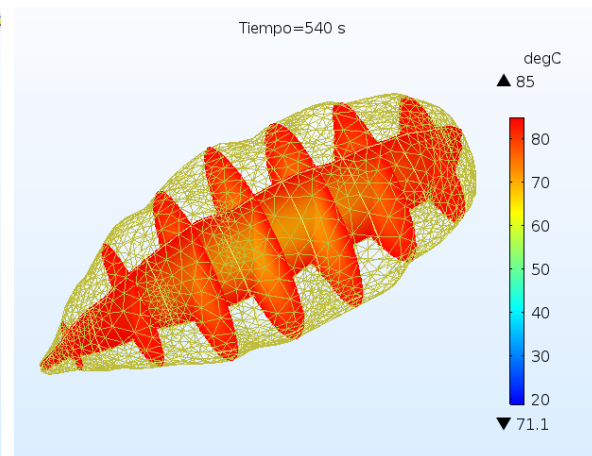
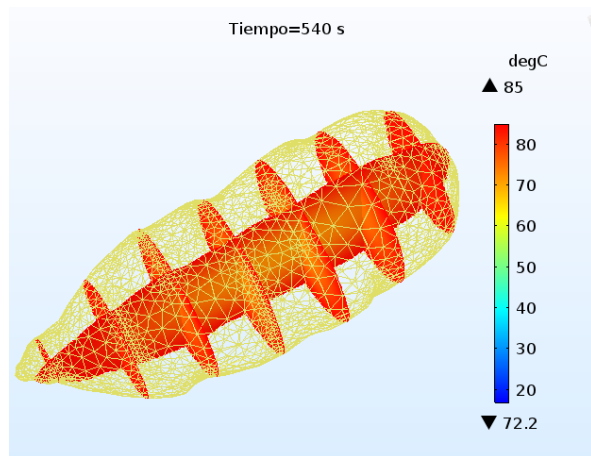
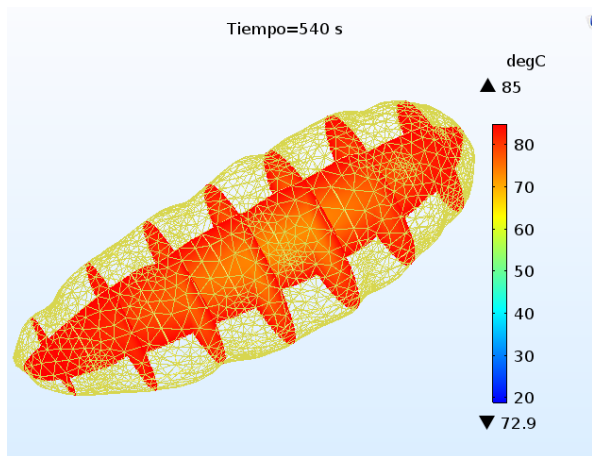
Oca 2

Oca 3

360



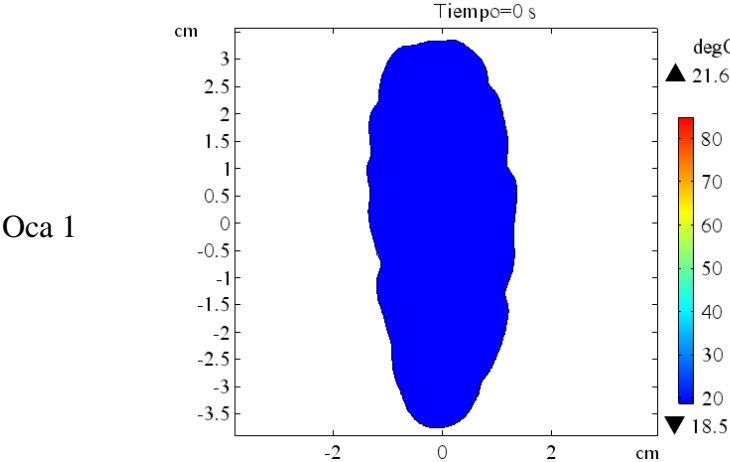
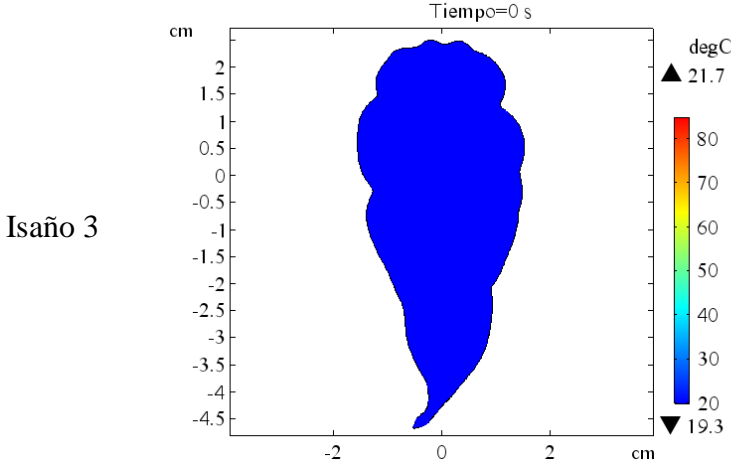
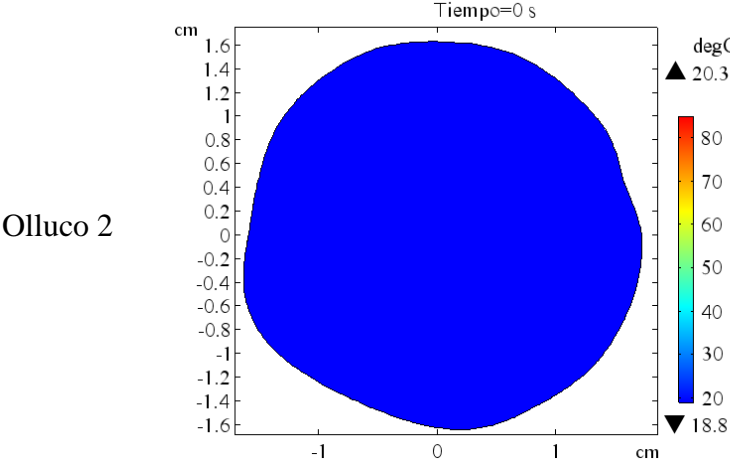
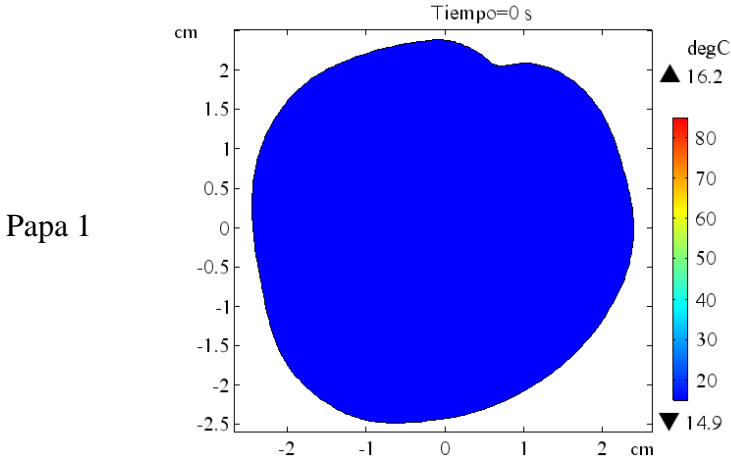
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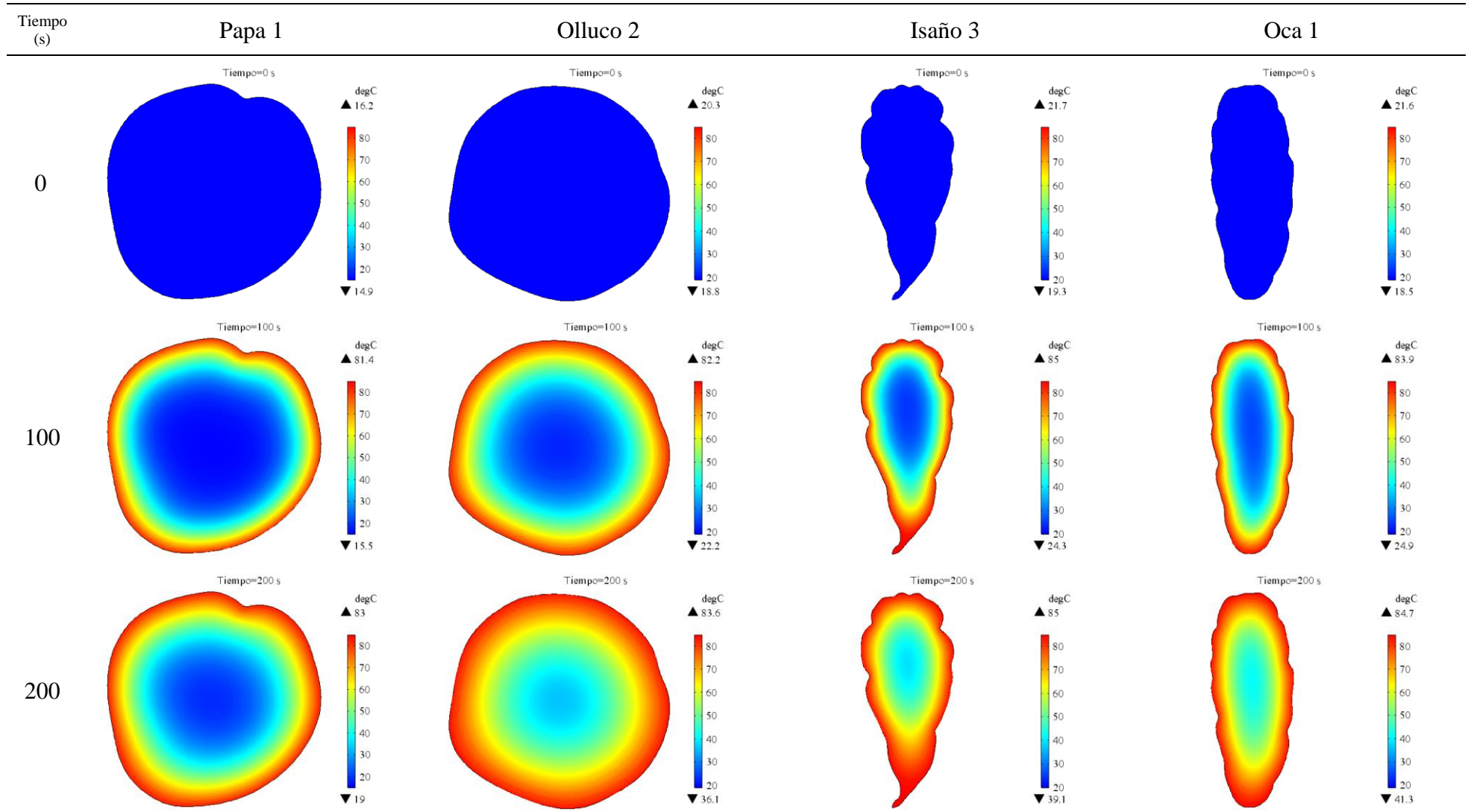


ANEXO 16. Diagramas de simulación en la transferencia de calor 2D del corte plano longitudinal cada 100 segundos para muestras seleccionadas.

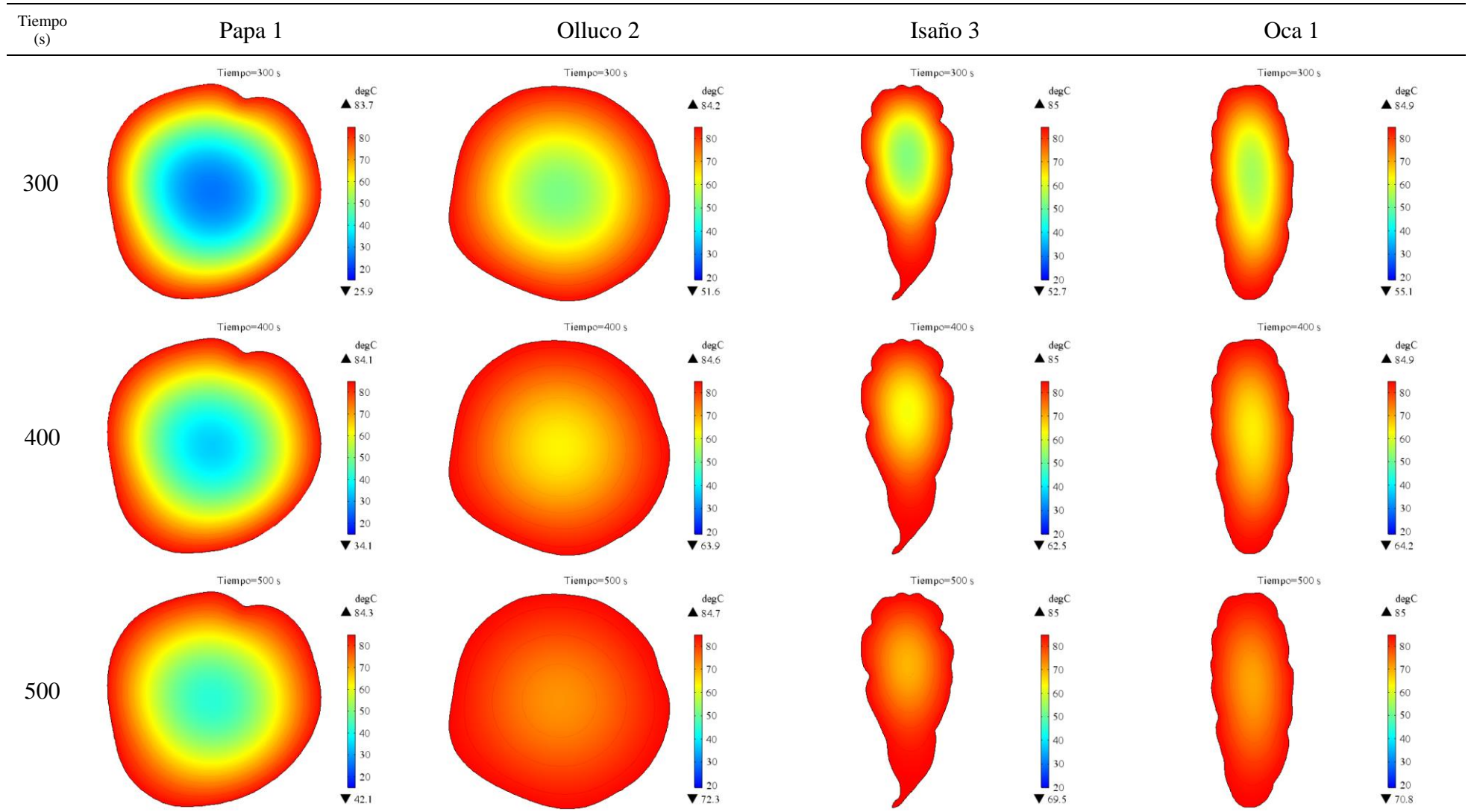
Alimento Dimensión cartesiana X y Y en centímetro (cm).

Alimento Dimensión cartesiana X y Y en centímetro (cm).

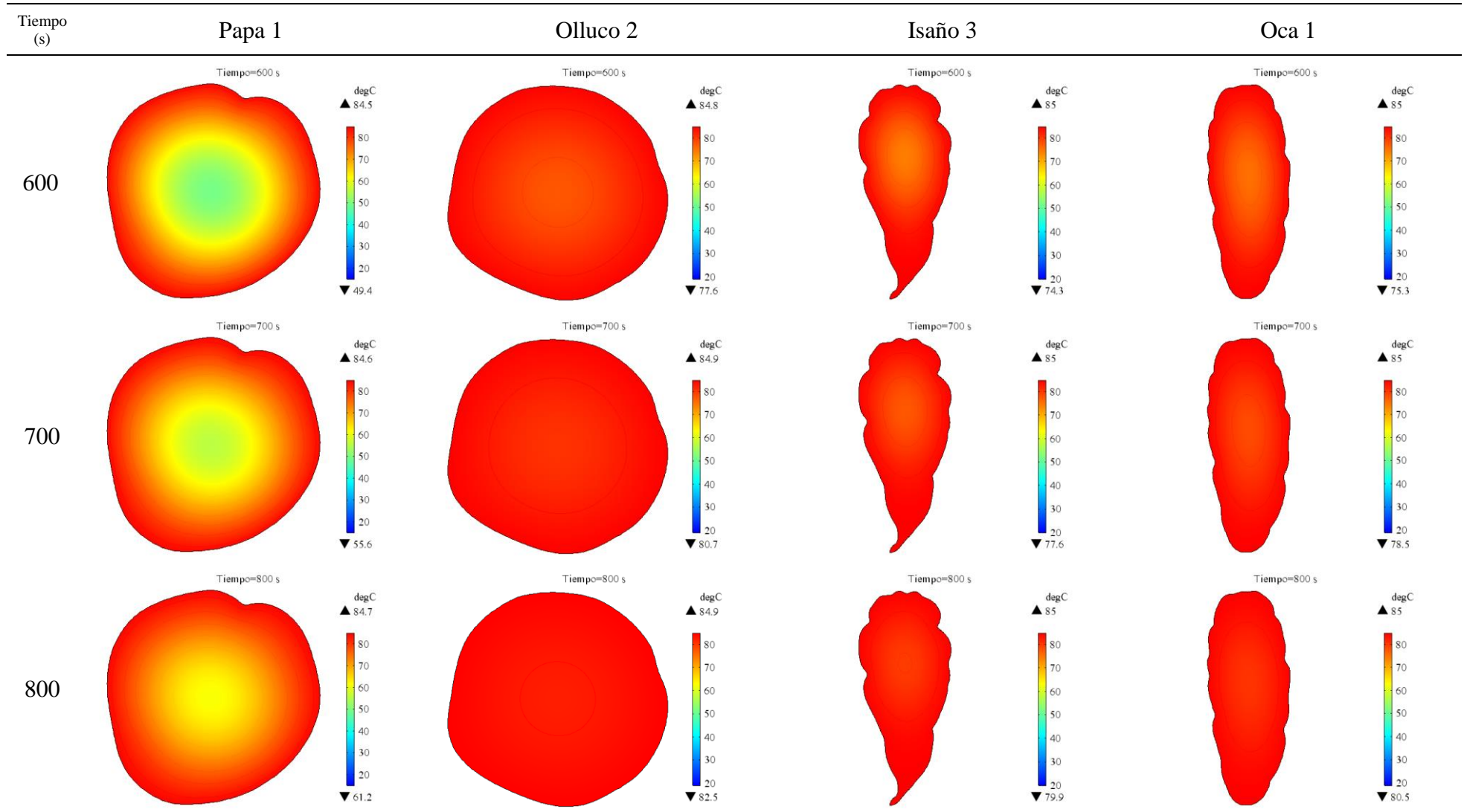




Continua



Continua



ANEXO 17. Historial de temperaturas experimentales y simuladas durante el calentamiento de alimentos en centro térmico.

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
0	15.195	15.190	17.950	17.950	20.230	20.230	15.190	15.190	19.001	19.000	18.000	18.000	18.340	18.340	19.031	19.030	20.000	20.000	18.940	18.940	16.951	16.950	19.000	19.000
1	18.062	15.190	19.178	17.950	20.411	20.230	15.186	15.190	19.125	19.000	18.000	18.000	18.303	18.339	18.047	19.031	19.905	20.000	18.936	18.933	16.938	16.950	19.320	19.000
2	14.873	15.190	19.178	17.950	20.617	20.230	15.447	15.190	19.125	19.000	18.000	18.000	18.353	18.342	18.772	19.030	19.905	20.000	18.943	18.942	16.758	16.950	19.374	19.001
3	16.984	15.190	18.649	17.950	20.352	20.230	15.494	15.190	19.061	19.000	18.001	18.000	18.300	18.342	19.302	19.030	19.905	20.000	18.907	18.945	16.935	16.950	19.337	19.001
4	16.459	15.190	17.984	17.950	19.820	20.230	15.292	15.190	19.124	19.000	18.001	18.000	18.352	18.341	19.567	19.030	19.880	20.000	18.874	18.944	16.938	16.950	19.301	19.000
5	16.144	15.190	17.585	17.950	20.452	20.230	15.322	15.190	19.124	19.000	18.001	18.000	18.362	18.340	19.088	19.030	19.955	20.000	19.056	18.943	16.951	16.950	19.267	19.000
6	15.401	15.190	17.586	17.950	20.347	20.230	15.350	15.190	19.124	19.000	18.001	18.000	18.363	18.339	19.036	19.030	20.035	20.000	18.942	18.941	16.954	16.949	18.561	19.000
7	14.870	15.190	17.587	17.950	20.044	20.230	15.376	15.190	19.124	19.000	18.002	18.000	18.368	18.339	19.225	19.031	19.903	20.000	18.941	18.940	16.771	16.949	18.534	19.000
8	14.472	15.190	17.786	17.950	19.816	20.230	15.400	15.190	19.252	19.000	18.002	18.000	18.374	18.339	19.367	19.031	19.903	20.000	19.054	18.940	16.546	16.949	18.732	19.000
9	13.798	15.190	17.764	17.950	19.639	20.230	15.210	15.190	19.378	19.000	18.004	18.000	18.382	18.339	19.478	19.031	19.970	20.000	18.817	18.941	16.371	16.948	18.955	19.000
10	14.539	15.190	17.746	17.950	19.816	20.230	15.238	15.190	19.378	19.000	18.006	18.000	18.390	18.339	19.408	19.032	20.017	20.000	18.817	18.942	16.501	16.948	18.956	19.000
11	14.279	15.190	17.877	17.950	19.817	20.230	15.463	15.190	19.442	19.000	18.007	18.000	18.398	18.339	19.205	19.032	20.003	20.000	18.872	18.942	16.834	16.948	18.702	19.000
12	14.063	15.190	17.985	17.950	19.949	20.230	16.066	15.190	19.378	19.000	18.009	18.000	18.405	18.339	19.170	19.032	20.037	20.000	18.873	18.944	16.776	16.947	18.957	19.000
13	14.126	15.190	17.955	17.950	20.062	20.230	16.068	15.190	19.378	19.000	18.011	18.000	18.413	18.338	19.262	19.033	20.023	20.000	18.907	18.945	16.520	16.947	18.685	19.000
14	14.407	15.190	17.814	17.950	20.045	20.230	16.069	15.190	19.378	19.000	18.013	18.000	18.421	18.338	19.341	19.033	20.049	20.000	18.908	18.947	16.653	16.947	19.397	19.000
15	14.439	15.190	17.905	17.950	20.030	20.230	15.757	15.190	19.441	19.000	18.015	18.000	18.442	18.338	19.197	19.034	20.070	20.000	18.988	18.948	16.539	16.947	18.595	19.000
16	14.666	15.190	17.786	17.950	20.116	20.230	16.064	15.190	19.441	19.000	18.017	18.000	18.465	18.339	19.271	19.035	20.027	20.001	19.136	18.951	16.944	16.947	18.983	19.000
17	14.490	15.190	17.680	17.950	20.192	20.230	15.674	15.190	19.377	19.001	18.018	18.000	18.488	18.341	19.336	19.035	20.076	20.002	19.102	18.953	16.938	16.947	18.952	19.000
18	14.863	15.190	17.675	17.950	20.260	20.230	15.873	15.191	19.441	19.001	18.020	18.000	18.512	18.343	19.394	19.037	20.066	20.003	19.071	18.955	16.758	16.949	18.923	19.001
19	14.865	15.190	17.586	17.950	20.321	20.230	16.060	15.191	19.441	19.001	18.023	18.001	18.536	18.345	19.364	19.039	20.057	20.004	19.046	18.960	16.935	16.951	19.083	19.002
20	14.706	15.190	17.506	17.950	20.375	20.230	16.056	15.191	19.441	19.001	18.028	18.001	18.559	18.347	19.256	19.041	20.073	20.005	19.167	18.965	16.938	16.952	19.234	19.003
21	14.562	15.190	17.586	17.950	20.273	20.230	16.057	15.191	19.442	19.001	18.033	18.001	18.583	18.348	19.311	19.043	20.109	20.007	19.001	18.970	16.901	16.954	19.376	19.004
22	14.576	15.190	17.514	17.950	20.180	20.230	16.065	15.192	19.505	19.002	18.038	18.001	18.606	18.350	19.216	19.045	20.121	20.008	19.116	18.975	16.834	16.956	19.339	19.005
23	14.590	15.190	17.517	17.950	20.164	20.230	16.066	15.192	19.505	19.003	18.044	18.002	18.631	18.355	19.269	19.047	20.133	20.011	19.094	18.980	16.776	16.957	19.304	19.006
24	14.602	15.190	17.453	17.950	20.216	20.230	15.801	15.193	19.696	19.004	18.049	18.002	18.657	18.362	19.184	19.050	20.145	20.014	19.074	18.985	16.520	16.962	19.271	19.007
25	14.485	15.190	17.395	17.950	20.200	20.230	16.081	15.194	19.760	19.004	18.055	18.003	18.684	18.369	19.107	19.053	20.156	20.018	19.056	18.990	16.787	16.968	19.080	19.010
26	14.623	15.190	17.341	17.950	20.247	20.230	16.083	15.197	19.697	19.005	18.060	18.003	18.710	18.376	19.160	19.058	20.167	20.021	19.156	18.999	16.804	16.974	19.055	19.013
27	14.633	15.190	17.291	17.950	20.290	20.230	16.084	15.200	19.698	19.006	18.066	18.004	18.736	18.382	19.268	19.063	20.176	20.025	19.250	19.010	16.944	16.979	19.031	19.017
28	14.527	15.190	17.244	17.950	20.273	20.230	15.674	15.203	19.698	19.007	18.073	18.007	18.765	18.389	19.256	19.068	20.201	20.028	19.126	19.020	16.951	16.985	19.157	19.020

Subíndice : e : Experimental
p : Simulación

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
29	14.540	15.190	17.256	17.950	20.258	20.230	15.858	15.206	19.635	19.008	18.080	18.011	18.808	18.396	19.244	19.072	20.231	20.038	19.217	19.030	16.951	16.991	19.132	19.023
30	14.445	15.190	17.267	17.950	20.243	20.230	15.707	15.209	19.700	19.011	18.090	18.015	18.855	18.409	19.181	19.077	20.250	20.053	19.226	19.041	16.969	16.998	18.966	19.026
31	14.459	15.190	17.278	17.950	20.281	20.230	15.814	15.212	19.638	19.013	18.111	18.018	18.903	18.425	19.173	19.082	20.269	20.069	19.249	19.051	17.011	17.011	19.085	19.031
32	14.372	15.190	17.337	17.950	20.317	20.230	15.675	15.215	19.639	19.016	18.131	18.022	18.951	18.441	19.171	19.093	20.259	20.084	19.272	19.062	17.024	17.024	18.645	19.046
33	14.388	15.190	17.345	17.950	20.350	20.231	15.707	15.218	19.704	19.018	18.126	18.026	18.999	18.456	19.177	19.111	20.265	20.099	19.306	19.086	17.037	17.037	18.988	19.062
34	14.308	15.190	17.352	17.950	20.288	20.231	15.632	15.221	19.578	19.021	18.172	18.029	19.046	18.472	19.183	19.129	20.259	20.115	19.332	19.118	17.050	17.050	18.599	19.077
35	14.416	15.191	17.404	17.950	20.275	20.231	15.982	15.227	19.579	19.023	18.092	18.033	19.094	18.488	19.189	19.147	20.278	20.130	19.383	19.150	17.063	17.063	18.581	19.093
36	14.429	15.191	17.454	17.950	20.218	20.232	15.713	15.236	19.580	19.026	18.056	18.036	19.142	18.504	19.241	19.165	20.298	20.145	19.424	19.181	17.076	17.076	18.787	19.109
37	14.355	15.191	17.500	17.951	20.251	20.232	16.055	15.245	19.649	19.036	18.063	18.040	19.203	18.545	19.290	19.183	20.317	20.161	19.490	19.213	17.105	17.105	18.985	19.124
38	14.452	15.191	17.461	17.951	20.323	20.232	15.963	15.254	19.655	19.048	18.070	18.045	19.265	18.590	19.379	19.202	20.324	20.176	19.443	19.244	17.143	17.143	18.604	19.140
39	14.545	15.191	17.505	17.951	20.351	20.233	15.801	15.262	19.661	19.060	18.081	18.055	19.328	18.636	19.424	19.220	20.332	20.191	19.502	19.276	17.182	17.182	18.780	19.155
40	14.554	15.191	17.468	17.952	20.378	20.233	15.700	15.271	19.731	19.072	18.091	18.065	19.391	18.681	19.388	19.238	20.341	20.207	19.532	19.308	17.220	17.220	19.008	19.171
41	14.484	15.192	17.432	17.952	20.365	20.233	15.735	15.280	19.610	19.083	18.101	18.076	19.453	18.726	19.432	19.256	20.360	20.222	19.596	19.339	17.259	17.259	18.628	19.186
42	14.418	15.193	17.398	17.953	20.390	20.234	15.822	15.289	19.552	19.095	18.112	18.086	19.522	18.772	19.474	19.274	20.406	20.256	19.710	19.371	17.298	17.298	18.998	19.202
43	14.355	15.193	17.403	17.953	20.414	20.234	15.954	15.298	19.558	19.107	18.122	18.096	19.300	18.817	19.516	19.292	20.443	20.289	19.719	19.403	17.336	17.336	18.704	19.217
44	14.295	15.194	17.444	17.953	20.401	20.234	16.122	15.307	19.564	19.119	18.136	18.107	19.385	18.862	19.592	19.310	20.479	20.323	19.728	19.434	17.375	17.375	19.100	19.233
45	14.379	15.194	17.376	17.954	20.424	20.235	16.663	15.331	19.633	19.131	18.160	18.117	19.397	18.908	19.595	19.328	20.505	20.357	19.737	19.466	17.413	17.413	19.081	19.257
46	14.321	15.195	17.381	17.954	20.480	20.236	16.659	15.364	19.575	19.143	18.184	18.127	19.409	18.953	19.676	19.356	20.532	20.390	19.747	19.497	17.452	17.452	19.069	19.293
47	14.401	15.196	17.352	17.955	20.467	20.237	16.657	15.398	19.455	19.155	18.207	18.138	19.491	18.998	19.730	19.394	20.559	20.424	19.766	19.541	17.490	17.490	19.246	19.328
48	14.412	15.196	17.357	17.955	20.455	20.238	16.657	15.432	19.461	19.167	18.231	18.148	19.636	19.044	19.750	19.433	20.603	20.458	19.798	19.601	17.529	17.529	19.413	19.363
49	14.422	15.197	17.395	17.955	20.410	20.239	16.429	15.466	19.467	19.179	18.258	18.166	19.712	19.089	19.803	19.471	20.631	20.491	19.830	19.662	17.567	17.567	19.573	19.398
50	14.368	15.197	17.399	17.956	20.431	20.240	16.438	15.500	19.536	19.191	18.295	18.203	19.854	19.141	19.855	19.509	20.666	20.525	19.816	19.722	17.619	17.619	19.553	19.433
51	14.441	15.198	17.372	17.956	20.452	20.241	16.735	15.533	19.481	19.207	18.332	18.240	19.889	19.221	19.876	19.547	20.694	20.559	19.897	19.783	17.689	17.689	19.535	19.468
52	14.388	15.199	17.315	17.957	20.501	20.242	16.753	15.567	19.431	19.235	18.369	18.277	19.864	19.301	19.927	19.585	20.729	20.592	19.930	19.844	17.759	17.759	19.519	19.503
53	14.338	15.199	17.351	17.959	20.520	20.243	16.469	15.601	19.509	19.263	18.406	18.314	19.902	19.381	19.978	19.624	20.765	20.626	19.965	19.904	17.828	17.828	19.344	19.538
54	14.408	15.200	17.357	17.960	20.508	20.244	16.672	15.635	19.586	19.291	18.443	18.351	20.000	19.461	19.999	19.662	20.794	20.669	20.043	19.965	17.898	17.898	19.335	19.573
55	14.417	15.201	17.391	17.961	20.525	20.245	16.678	15.669	19.664	19.319	18.480	18.388	20.039	19.541	20.049	19.700	20.843	20.725	20.087	20.025	17.968	17.968	19.327	19.608
56	14.427	15.203	17.368	17.963	20.514	20.246	16.685	15.702	19.806	19.346	18.517	18.425	20.135	19.621	20.098	19.738	20.886	20.781	20.133	20.086	18.037	18.037	19.468	19.643
57	14.492	15.205	17.373	17.964	20.531	20.247	16.369	15.736	19.756	19.374	18.554	18.462	20.286	19.700	20.175	19.776	20.943	20.837	20.212	20.147	18.107	18.107	19.459	19.679
58	14.501	15.207	17.350	17.965	20.601	20.248	16.872	15.770	19.770	19.402	18.591	18.499	20.378	19.780	20.195	19.815	20.986	20.893	20.245	20.207	18.177	18.177	19.310	19.714
59	14.563	15.208	17.329	17.967	20.592	20.252	16.707	15.804	19.848	19.430	18.628	18.536	20.416	19.860	20.243	19.853	21.036	20.949	20.294	20.268	18.247	18.247	19.454	19.768
60	14.675	15.210	17.361	17.968	20.610	20.257	16.879	15.838	19.798	19.458	18.665	18.573	20.508	19.940	20.248	19.904	21.080	21.005	20.367	20.328	18.316	18.316	19.765	19.827

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
61	14.628	15.212	17.366	17.969	20.654	20.262	16.856	15.871	19.812	19.485	18.702	18.610	20.546	20.020	20.291	19.966	21.137	21.061	20.404	20.393	18.386	18.386	19.773	19.886
62	14.582	15.214	17.371	17.971	20.696	20.267	16.844	15.905	19.890	19.513	18.739	18.647	20.738	20.100	20.360	20.028	21.188	21.117	20.503	20.485	18.456	18.456	19.974	19.945
63	14.639	15.216	17.376	17.972	20.712	20.271	16.835	15.939	19.840	19.541	18.776	18.684	20.875	20.180	20.403	20.090	21.239	21.173	20.578	20.577	18.540	18.540	20.249	20.004
64	14.694	15.218	17.381	17.973	20.752	20.276	16.830	15.973	19.917	19.569	18.813	18.721	20.982	20.287	20.421	20.153	21.283	21.229	20.649	20.669	18.663	18.663	20.251	20.063
65	14.699	15.220	17.361	17.975	20.767	20.281	16.843	16.038	19.931	19.597	18.850	18.758	21.060	20.422	20.490	20.215	21.341	21.285	20.753	20.761	18.787	18.787	20.255	20.122
66	14.703	15.221	17.342	17.976	20.806	20.286	16.694	16.104	19.826	19.641	18.897	18.795	21.234	20.557	20.558	20.277	21.395	21.341	20.838	20.853	18.911	18.911	20.259	20.181
67	14.660	15.223	17.327	17.982	20.843	20.291	16.895	16.171	19.850	19.689	18.951	18.832	21.406	20.692	20.626	20.339	21.293	21.433	20.910	20.945	19.034	19.034	20.169	20.240
68	14.712	15.225	17.314	17.989	20.879	20.296	16.739	16.237	19.874	19.738	18.969	18.869	21.576	20.828	20.670	20.401	21.389	21.531	20.983	21.037	19.158	19.158	20.268	20.299
69	14.670	15.227	17.325	17.996	20.892	20.300	16.924	16.303	19.835	19.786	19.023	18.906	21.699	20.963	20.714	20.464	21.484	21.630	21.055	21.129	19.282	19.282	20.274	20.358
70	14.674	15.229	17.312	18.003	20.927	20.305	17.296	16.370	19.987	19.835	19.076	18.943	21.775	21.098	20.804	20.526	21.679	21.728	21.142	21.221	19.405	19.405	20.281	20.417
71	14.728	15.237	17.300	18.009	20.961	20.310	17.664	16.436	20.075	19.884	19.140	18.999	21.897	21.233	20.848	20.588	21.913	21.827	21.221	21.313	19.529	19.529	20.377	20.476
72	14.693	15.245	17.289	18.016	20.995	20.315	17.322	16.502	20.163	19.932	19.210	19.069	22.019	21.368	20.893	20.650	22.035	21.925	21.312	21.404	19.653	19.653	20.474	20.542
73	14.702	15.253	17.277	18.023	21.005	20.320	17.329	16.568	20.187	19.981	19.280	19.140	22.183	21.503	20.960	20.713	22.149	22.024	21.383	21.496	19.776	19.776	20.503	20.645
74	14.755	15.262	17.267	18.030	20.995	20.325	17.337	16.635	20.147	20.029	19.350	19.210	22.387	21.638	21.027	20.800	22.159	22.123	21.456	21.588	19.900	19.900	20.616	20.749
75	14.764	15.270	17.257	18.037	21.006	20.329	17.457	16.701	20.108	20.078	19.420	19.280	22.463	21.773	21.131	20.906	22.277	22.221	21.549	21.680	20.023	20.023	20.645	20.852
76	14.772	15.279	17.268	18.043	21.016	20.334	17.475	16.767	20.068	20.127	19.490	19.350	22.581	21.908	21.214	21.012	22.350	22.320	21.648	21.813	20.147	20.147	20.757	20.955
77	14.822	15.287	17.279	18.050	21.027	20.339	17.494	16.834	20.219	20.175	19.560	19.420	22.739	22.043	21.318	21.117	22.456	22.418	21.755	21.952	20.271	20.271	20.947	21.059
78	14.830	15.296	17.311	18.057	21.037	20.344	17.513	16.900	20.307	20.224	19.630	19.490	22.856	22.179	21.381	21.223	22.483	22.517	21.881	22.091	20.394	20.394	21.055	21.162
79	14.798	15.304	17.301	18.064	21.047	20.349	17.678	16.966	20.268	20.272	19.700	19.560	23.013	22.314	21.485	21.329	22.518	22.615	21.983	22.231	20.518	20.518	21.161	21.265
80	14.846	15.313	17.332	18.071	21.057	20.353	17.695	17.033	20.362	20.332	19.770	19.630	23.167	22.449	21.568	21.435	22.447	22.714	22.091	22.370	20.642	20.642	21.266	21.369
81	14.893	15.321	17.302	18.077	21.106	20.358	17.713	17.099	20.471	20.424	19.840	19.700	23.243	22.584	21.672	21.540	22.503	22.812	22.199	22.510	20.765	20.765	21.370	21.472
82	14.862	15.330	17.313	18.084	21.153	20.363	17.867	17.165	20.517	20.516	19.945	19.770	23.396	22.719	21.775	21.646	22.563	22.911	22.329	22.649	20.889	20.889	21.472	21.576
83	14.908	15.338	17.324	18.091	21.162	20.368	17.884	17.231	20.563	20.608	20.015	19.840	23.472	22.854	21.859	21.752	22.719	23.009	22.458	22.788	21.013	21.013	21.573	21.679
84	14.915	15.347	17.353	18.098	21.172	20.374	17.721	17.309	20.481	20.700	20.085	19.910	23.586	22.989	21.943	21.857	22.690	23.108	22.549	22.928	21.136	21.136	21.598	21.782
85	14.997	15.355	17.363	18.105	21.223	20.386	17.905	17.409	20.655	20.791	20.155	19.980	23.700	23.124	22.046	21.963	22.674	23.206	22.664	23.067	21.260	21.260	21.624	21.886
86	15.041	15.364	17.355	18.111	21.255	20.397	17.793	17.509	20.701	20.883	20.225	20.050	23.851	23.259	22.112	22.069	22.748	23.305	22.770	23.207	21.384	21.384	21.724	21.989
87	15.047	15.372	17.347	18.118	21.287	20.408	17.831	17.609	20.809	20.975	20.295	20.120	23.964	23.394	22.215	22.175	22.823	23.403	22.897	23.346	21.507	21.507	21.822	22.092
88	15.053	15.381	17.339	18.125	21.317	20.420	18.007	17.709	20.792	21.067	20.380	20.190	24.076	23.529	22.299	22.280	22.971	23.502	22.989	23.485	21.631	21.631	21.848	22.196
89	15.095	15.389	17.332	18.132	21.330	20.431	18.043	17.809	20.838	21.159	20.466	20.260	24.269	23.665	22.384	22.386	23.045	23.600	23.079	23.625	21.755	21.755	21.803	22.299
90	15.100	15.398	17.342	18.139	21.325	20.442	18.211	17.908	20.884	21.251	20.533	20.330	24.522	23.800	22.487	22.492	23.186	23.699	23.205	23.764	21.912	21.912	21.901	22.403
91	15.175	15.406	17.353	18.145	21.321	20.454	18.115	18.008	20.802	21.342	20.681	20.400	24.812	23.938	22.607	22.597	23.385	23.797	23.331	23.904	22.071	22.071	21.929	22.506
92	15.180	15.415	17.346	18.152	21.334	20.465	18.279	18.108	20.848	21.434	20.758	20.470	24.997	24.107	22.709	22.703	23.536	23.919	23.444	24.043	22.231	22.231	22.025	22.609

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
93	15.151	15.423	17.356	18.159	21.364	20.476	18.439	18.208	20.957	21.526	20.848	20.570	25.102	24.275	22.793	22.809	23.633	24.050	23.573	24.182	22.391	22.391	22.121	22.713
94	15.122	15.432	17.366	18.166	21.410	20.488	18.595	18.308	21.196	21.618	20.940	20.672	25.273	24.444	22.878	22.915	23.731	24.181	23.666	24.322	22.550	22.550	22.281	22.816
95	15.162	15.440	17.377	18.173	21.438	20.499	18.627	18.408	21.242	21.710	21.030	20.775	25.376	24.612	22.980	23.020	23.830	24.313	23.791	24.461	22.710	22.710	22.308	22.919
96	15.167	15.449	17.409	18.185	21.467	20.510	19.000	18.507	21.352	21.802	21.120	20.877	25.544	24.781	23.065	23.126	23.877	24.444	23.947	24.600	22.869	22.869	22.401	23.023
97	15.172	15.457	17.410	18.201	21.511	20.522	18.840	18.607	21.398	21.893	21.274	20.980	25.710	24.949	23.167	23.232	23.980	24.575	24.039	24.740	23.029	23.029	22.557	23.126
98	15.210	15.466	17.428	18.217	21.522	20.533	18.863	18.707	21.380	21.985	21.361	21.082	25.875	25.117	23.252	23.337	24.083	24.706	24.163	24.879	23.189	23.189	22.584	23.229
99	15.248	15.474	17.430	18.233	21.550	20.544	19.020	18.807	21.426	22.077	21.448	21.185	26.101	25.286	23.353	23.443	24.236	24.837	24.300	25.019	22.765	23.348	22.674	23.333
100	15.252	15.483	17.447	18.248	21.561	20.556	19.048	18.907	21.535	22.169	21.534	21.287	26.262	25.454	23.423	23.549	24.386	24.968	24.436	25.158	23.032	23.508	22.803	23.464
101	15.259	15.491	17.429	18.264	21.587	20.567	19.198	19.007	21.453	22.261	21.649	21.390	26.472	25.623	23.515	23.655	24.534	25.099	24.604	25.297	23.121	23.668	22.935	23.600
102	15.336	15.509	17.395	18.280	21.612	20.578	19.105	19.107	21.626	22.353	21.764	21.492	26.619	25.791	23.642	23.782	24.680	25.230	24.740	25.437	23.377	23.827	23.130	23.736
103	15.255	15.527	17.409	18.296	21.638	20.589	19.252	19.206	21.736	22.444	21.815	21.595	26.704	25.960	23.762	23.918	24.867	25.361	24.908	25.576	23.625	23.987	23.261	23.871
104	15.300	15.546	17.438	18.311	21.696	20.601	19.413	19.339	21.719	22.536	21.993	21.697	26.914	26.128	23.865	24.055	25.009	25.492	24.956	25.724	23.703	24.146	23.455	24.007
105	15.346	15.565	17.468	18.327	21.706	20.612	19.577	19.485	21.637	22.628	22.107	21.800	27.062	26.297	24.033	24.192	25.190	25.623	25.112	25.891	23.617	24.306	23.397	24.143
106	15.360	15.584	17.466	18.343	21.747	20.623	19.514	19.631	21.683	22.720	22.159	21.902	27.210	26.465	24.168	24.328	25.288	25.754	25.205	26.057	23.694	24.466	23.528	24.279
107	15.406	15.602	17.464	18.359	21.805	20.635	19.675	19.776	21.793	22.812	22.210	22.005	27.357	26.634	24.272	24.465	25.349	25.885	25.461	26.224	24.081	24.625	23.532	24.414
108	15.484	15.621	17.462	18.374	21.862	20.646	19.748	19.922	21.902	22.904	22.325	22.107	27.504	26.802	24.407	24.602	25.412	26.016	25.681	26.391	24.150	24.785	23.860	24.550
109	15.563	15.640	17.459	18.390	21.920	20.657	19.872	20.067	21.889	23.003	22.376	22.210	27.716	26.971	24.495	24.738	25.477	26.148	25.775	26.558	24.063	24.944	24.118	24.686
110	15.546	15.659	17.473	18.406	21.918	20.674	19.746	20.213	21.952	23.130	22.491	22.312	27.863	27.139	24.614	24.875	25.581	26.279	25.931	26.725	24.130	25.104	24.123	24.822
111	15.592	15.677	17.471	18.421	21.952	20.694	19.914	20.359	21.951	23.256	22.605	22.414	27.947	27.307	24.766	25.012	25.720	26.410	26.119	26.892	24.196	25.264	24.254	24.957
112	15.606	15.696	17.453	18.437	21.969	20.714	20.078	20.504	22.141	23.383	22.720	22.517	28.031	27.476	24.901	25.148	25.859	26.541	26.276	27.059	24.409	25.423	24.448	25.093
113	15.652	15.715	17.451	18.453	21.971	20.734	20.127	20.650	22.332	23.509	22.835	22.619	28.178	27.644	25.005	25.285	25.996	26.672	26.402	27.225	24.470	25.583	24.580	25.229
114	15.602	15.734	17.480	18.469	22.020	20.754	20.177	20.795	22.459	23.636	22.954	22.731	28.263	27.813	25.125	25.422	26.133	26.803	26.559	27.392	24.674	25.743	24.647	25.365
115	15.584	15.752	17.478	18.484	22.085	20.774	20.336	20.941	22.459	23.762	23.089	22.873	28.220	27.981	25.292	25.558	26.269	26.934	26.715	27.559	24.587	25.902	24.779	25.501
116	15.566	15.771	17.508	18.500	22.102	20.794	20.385	21.087	22.650	23.888	23.288	23.016	28.367	28.150	25.379	25.695	26.403	27.065	26.872	27.726	24.644	26.073	24.910	25.636
117	15.644	15.790	17.538	18.516	22.135	20.814	20.678	21.232	22.777	24.015	23.485	23.158	28.389	28.318	25.483	25.832	26.519	27.211	27.029	27.893	24.700	26.250	25.041	25.772
118	15.595	15.809	17.552	18.532	22.184	20.834	20.892	21.378	22.840	24.141	23.683	23.300	28.537	28.487	25.603	25.968	26.674	27.366	27.217	28.060	24.893	26.428	25.172	25.908
119	15.577	15.827	17.613	18.547	22.202	20.854	20.821	21.523	22.903	24.268	23.880	23.443	28.876	28.665	25.754	26.105	26.799	27.521	27.342	28.227	25.081	26.606	25.366	26.044
120	15.623	15.846	17.627	18.563	22.219	20.874	20.861	21.669	22.967	24.394	24.016	23.585	29.092	28.848	25.905	26.242	26.924	27.677	27.499	28.393	25.266	26.784	25.434	26.179
121	15.669	15.865	17.640	18.579	22.284	20.894	21.113	21.815	22.966	24.521	24.213	23.727	29.311	29.031	25.993	26.378	27.078	27.832	27.719	28.560	25.313	26.962	25.565	26.315
122	15.715	15.884	17.638	18.595	22.365	20.914	21.260	21.960	22.966	24.647	24.348	23.870	29.465	29.213	26.145	26.515	27.232	27.988	27.876	28.727	25.491	27.140	25.823	26.451
123	15.761	15.902	17.619	18.610	22.414	20.934	21.404	22.106	22.966	24.774	24.610	24.012	29.557	29.396	26.264	26.652	27.412	28.143	28.064	28.894	25.402	27.318	25.954	26.587
124	15.807	15.921	17.649	18.626	22.447	20.954	21.642	22.251	23.030	24.900	24.869	24.155	29.836	29.578	26.400	26.788	27.564	28.299	28.221	29.061	25.446	27.495	26.148	26.722

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
125	15.916	15.940	17.684	18.647	22.512	20.974	21.876	22.397	23.156	25.026	25.129	24.297	30.184	29.761	26.535	26.925	27.742	28.454	28.378	29.228	25.489	27.673	26.280	26.858
126	15.898	15.959	17.707	18.674	22.561	20.994	22.011	22.543	23.220	25.153	25.327	24.439	30.527	29.943	26.639	27.062	27.866	28.609	28.471	29.394	25.532	27.851	26.411	26.994
127	15.880	15.977	17.747	18.702	22.610	21.015	22.236	22.688	23.346	25.279	25.588	24.582	30.682	30.126	26.727	27.198	27.990	28.765	28.596	29.561	25.573	28.029	26.421	27.141
128	15.958	15.996	17.787	18.729	22.659	21.035	22.274	22.834	23.537	25.406	25.722	24.724	30.900	30.309	26.862	27.335	28.141	28.920	28.753	29.728	25.826	28.207	26.499	27.297
129	15.940	16.015	17.842	18.756	22.723	21.055	22.582	22.979	23.664	25.532	25.984	24.866	31.182	30.491	26.998	27.472	28.290	29.076	28.910	29.895	26.207	28.385	26.641	27.453
130	15.954	16.034	17.866	18.783	22.788	21.075	22.796	23.125	23.727	25.659	26.181	25.009	31.463	30.674	27.162	27.623	28.440	29.231	29.035	30.062	26.207	28.563	26.782	27.610
131	16.000	16.053	17.874	18.810	22.821	21.095	23.006	23.271	23.663	25.785	26.441	25.151	31.617	30.856	27.297	27.777	28.589	29.387	29.160	30.229	26.207	28.740	26.860	27.766
132	16.046	16.071	17.897	18.837	22.823	21.115	23.127	23.416	23.789	25.911	26.576	25.293	31.834	31.039	27.416	27.932	28.738	29.542	29.317	30.396	26.334	28.918	26.938	27.922
133	16.069	16.101	17.905	18.864	22.856	21.135	23.331	23.562	24.105	26.038	26.710	25.436	32.051	31.221	27.552	28.086	28.886	29.697	29.476	30.566	26.334	29.096	27.080	28.078
134	16.156	16.133	17.945	18.891	22.921	21.155	23.447	23.707	24.232	26.164	26.845	25.578	32.270	31.404	27.687	28.241	29.057	29.853	29.573	30.737	26.587	29.274	27.222	28.234
135	16.180	16.164	17.952	18.918	22.970	21.175	23.563	23.853	24.295	26.291	26.980	25.720	32.488	31.587	27.838	28.396	29.181	30.008	29.733	30.908	26.967	29.452	27.237	28.390
136	16.235	16.195	17.976	18.946	23.052	21.213	23.677	23.998	24.422	26.417	27.178	25.863	32.579	31.769	27.973	28.550	29.328	30.164	29.957	31.079	27.095	29.630	27.378	28.546
137	16.290	16.227	17.984	18.973	23.102	21.253	23.791	24.144	24.549	26.544	27.312	26.005	32.733	31.952	28.093	28.705	29.475	30.319	30.148	31.250	27.220	29.807	27.646	28.702
138	16.282	16.258	18.008	19.000	23.121	21.293	23.982	24.290	24.677	26.675	27.446	26.148	32.887	32.134	28.196	28.859	29.622	30.475	30.307	31.421	27.475	29.985	27.849	28.858
139	16.242	16.289	18.000	19.027	23.172	21.333	24.249	24.435	24.816	26.827	27.643	26.290	33.231	32.317	28.332	29.014	29.790	30.630	30.467	31.592	27.728	30.163	27.990	29.015
140	16.233	16.320	18.071	19.054	23.207	21.373	24.356	24.581	24.956	26.979	27.652	26.432	33.323	32.499	28.467	29.169	29.914	30.785	30.596	31.764	27.855	30.341	28.131	29.171
141	16.320	16.352	18.111	19.081	23.273	21.412	24.463	24.726	25.159	27.131	27.723	26.575	33.540	32.682	28.618	29.323	30.081	30.941	30.755	31.935	27.731	30.519	28.209	29.327
142	16.408	16.383	18.150	19.108	23.324	21.452	24.645	24.872	25.362	27.283	27.794	26.717	33.632	32.865	28.753	29.478	30.226	31.096	30.947	32.106	27.731	30.696	28.350	29.483
143	16.495	16.414	18.174	19.135	23.374	21.492	24.754	25.028	25.438	27.435	27.865	26.859	34.046	33.047	28.857	29.632	30.350	31.252	31.139	32.277	28.108	30.871	28.556	29.639
144	16.582	16.446	18.166	19.162	23.441	21.532	24.942	25.196	25.577	27.588	28.064	27.002	34.200	33.230	28.960	29.787	30.495	31.407	31.204	32.448	28.236	31.047	28.760	29.795
145	16.606	16.477	18.238	19.189	23.507	21.572	25.128	25.363	25.653	27.740	28.072	27.144	34.355	33.412	29.111	29.942	30.640	31.563	31.396	32.619	28.236	31.222	28.712	29.951
146	16.693	16.508	18.246	19.217	23.542	21.612	25.312	25.531	25.855	27.892	28.271	27.286	34.571	33.592	29.231	30.096	30.765	31.718	31.588	32.791	28.617	31.397	28.917	30.107
147	16.653	16.540	18.285	19.244	23.608	21.651	25.421	25.699	25.995	28.044	28.342	27.429	34.720	33.765	29.350	30.251	30.909	31.873	31.780	32.962	28.744	31.573	29.122	30.264
148	16.676	16.571	18.309	19.271	23.675	21.691	25.601	25.866	26.197	28.196	28.540	27.571	34.807	33.938	29.502	30.405	31.054	32.029	31.940	33.133	28.869	31.748	29.327	30.420
149	16.667	16.602	17.294	19.298	23.741	21.731	25.709	26.034	26.401	28.348	28.674	27.713	35.018	34.111	29.605	30.560	31.198	32.184	32.069	33.304	29.122	31.923	29.469	30.576
150	16.723	16.633	17.318	19.325	23.792	21.771	25.817	26.201	26.540	28.500	28.808	27.856	35.167	34.285	29.740	30.715	31.323	32.340	32.292	33.475	29.499	32.098	29.547	30.732
151	16.715	16.665	17.875	19.352	23.858	21.811	25.854	26.369	26.743	28.652	28.943	27.998	35.442	34.458	29.907	30.869	31.486	32.495	32.516	33.646	29.625	32.274	29.815	30.888
152	16.802	16.696	18.165	19.379	23.877	21.851	26.029	26.536	26.946	28.804	29.141	28.141	35.719	34.631	30.074	31.024	31.666	32.651	32.739	33.817	30.002	32.449	30.084	31.044
153	16.825	16.727	18.029	19.406	23.928	21.890	26.135	26.704	27.085	28.956	29.212	28.283	35.932	34.804	30.225	31.178	31.827	32.806	32.930	33.989	30.128	32.624	30.352	31.200
154	16.849	16.759	17.952	19.440	23.979	21.930	26.307	26.872	27.161	29.108	29.283	28.425	36.082	34.977	30.376	31.333	31.987	32.961	33.027	34.160	30.002	32.800	30.555	31.356
155	16.840	16.790	17.919	19.490	24.029	21.970	26.476	27.039	27.364	29.260	29.354	28.568	36.357	35.150	30.511	31.488	32.147	33.117	33.281	34.331	30.257	32.975	30.570	31.512
156	16.864	16.821	18.304	19.540	24.096	22.010	26.644	27.207	27.376	29.413	29.425	28.710	36.568	35.324	30.662	31.642	32.289	33.272	33.472	34.502	30.638	33.150	30.901	31.669

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
157	16.887	16.853	18.077	19.590	24.162	22.050	26.811	27.374	27.516	29.565	29.749	28.852	36.717	35.497	30.782	31.797	32.431	33.428	33.600	34.673	30.638	33.326	31.104	31.825
158	16.911	16.884	18.068	19.639	24.165	22.090	26.975	27.542	27.592	29.717	29.890	29.008	36.929	35.670	30.933	31.951	32.573	33.583	33.697	34.844	30.891	33.501	31.182	31.981
159	16.934	16.915	18.069	19.689	24.247	22.129	27.012	27.710	27.668	29.869	30.095	29.166	37.142	35.843	31.099	32.106	32.715	33.739	33.858	35.015	31.141	33.676	31.197	32.137
160	16.926	16.946	18.342	19.739	24.313	22.169	27.158	27.877	27.870	30.021	30.112	29.325	37.291	36.016	31.266	32.261	32.873	33.894	34.018	35.187	31.141	33.851	31.338	32.293
161	16.982	16.978	18.458	19.789	24.348	22.209	27.242	28.045	27.946	30.173	30.255	29.483	37.566	36.190	31.433	32.415	33.030	34.049	34.209	35.358	31.141	34.027	31.480	32.449
162	17.069	17.009	18.563	19.839	24.383	22.249	27.516	28.212	28.086	30.325	30.397	29.641	37.653	36.363	31.569	32.570	33.188	34.205	34.401	35.529	31.266	34.202	31.685	32.605
163	17.092	17.040	18.660	19.889	24.449	22.289	27.725	28.380	28.288	30.477	30.539	29.799	37.801	36.536	31.720	32.724	33.328	34.360	34.592	35.700	31.392	34.377	31.889	32.761
164	17.101	17.093	18.704	19.938	24.484	22.329	27.935	28.547	28.427	30.629	30.618	29.957	37.951	36.709	31.903	32.879	33.453	34.516	34.784	35.871	31.645	34.553	32.093	32.918
165	17.173	17.148	17.898	19.988	24.535	22.368	28.146	28.715	28.440	30.781	30.759	30.115	38.101	36.882	32.038	33.034	33.593	34.671	34.975	36.042	31.771	34.728	32.298	33.074
166	17.246	17.203	18.742	20.038	24.569	22.408	28.357	28.883	28.706	30.933	30.901	30.274	38.250	37.056	32.173	33.188	33.750	34.827	35.199	36.213	32.148	34.903	32.502	33.230
167	17.288	17.258	18.519	20.088	24.604	22.448	28.567	29.050	28.973	31.085	31.107	30.432	38.399	37.229	32.309	33.343	33.901	34.982	35.359	36.385	32.273	35.078	32.771	33.386
168	17.297	17.313	19.226	20.138	24.655	22.488	28.651	29.218	29.237	31.237	31.186	30.590	38.485	37.402	32.475	33.497	34.037	35.137	35.550	36.556	32.650	35.254	32.912	33.542
169	17.433	17.368	19.351	20.188	24.705	22.528	28.860	29.385	29.313	31.390	31.265	30.748	38.635	37.575	32.627	33.652	34.188	35.292	35.742	36.727	33.031	35.429	33.116	33.698
170	17.506	17.423	19.181	20.238	24.740	22.568	28.817	29.553	29.452	31.542	31.407	30.906	38.785	37.748	32.762	33.807	34.340	35.447	35.870	36.898	33.281	35.604	33.321	33.854
171	17.548	17.478	19.301	20.287	24.775	22.607	29.027	29.720	29.528	31.694	31.486	31.064	38.934	37.921	32.913	33.961	34.459	35.601	36.030	37.069	33.407	35.780	33.399	34.010
172	17.621	17.533	19.202	20.337	24.810	22.647	29.239	29.888	29.667	31.846	31.628	31.223	39.084	38.095	33.064	34.116	34.611	35.756	36.222	37.240	33.407	35.955	33.540	34.167
173	17.662	17.588	19.313	20.387	24.860	22.687	29.513	30.056	29.869	31.998	31.770	31.381	39.232	38.268	33.231	34.270	34.762	35.911	36.381	37.412	33.660	36.130	33.744	34.323
174	17.703	17.643	19.086	20.437	24.942	22.727	29.723	30.223	30.073	32.150	31.911	31.539	39.257	38.441	33.382	34.425	34.929	36.066	36.542	37.583	33.912	36.305	33.885	34.479
175	17.744	17.697	19.057	20.487	24.977	22.767	29.870	30.391	30.339	32.302	32.115	31.697	39.532	38.614	33.517	34.580	35.081	36.221	36.732	37.754	34.162	36.481	34.026	34.635
176	17.849	17.752	19.174	20.537	25.028	22.807	30.080	30.558	30.479	32.454	32.258	31.855	39.805	38.787	33.684	34.734	35.232	36.376	36.861	37.925	34.288	36.656	34.230	34.791
177	17.858	17.807	19.523	20.586	25.094	22.846	30.291	30.726	30.492	32.606	32.463	32.013	39.954	38.961	33.819	34.889	35.399	36.531	37.052	38.096	34.415	36.831	34.308	34.947
178	17.931	17.862	19.488	20.636	25.144	22.886	30.565	30.894	30.632	32.758	32.542	32.172	40.165	39.134	34.002	35.043	35.551	36.686	37.242	38.267	34.542	37.007	34.511	35.103
179	18.036	17.917	19.570	20.686	25.195	22.926	30.712	31.061	30.771	32.910	32.749	32.330	40.252	39.307	34.122	35.198	35.718	36.841	37.402	38.438	34.667	37.182	34.714	35.259
180	18.077	17.972	19.845	20.736	25.261	22.966	30.989	31.229	30.910	33.062	32.890	32.488	40.401	39.480	34.273	35.353	35.869	36.996	37.562	38.610	35.044	37.357	34.855	35.415
181	18.118	18.027	19.906	20.786	25.296	23.006	31.137	31.396	31.049	33.215	33.159	32.646	40.676	39.653	34.424	35.507	36.036	37.150	37.722	38.781	35.169	37.533	34.996	35.572
182	18.255	18.082	20.054	20.836	25.300	23.046	31.473	31.565	31.252	33.367	33.302	32.804	40.825	39.827	34.575	35.662	36.204	37.305	37.913	38.952	35.419	37.708	35.134	35.723
183	18.296	18.137	20.023	20.886	25.366	23.085	31.622	31.736	31.328	33.519	33.381	32.963	41.100	40.000	34.742	35.816	36.323	37.460	38.104	39.123	35.669	37.883	35.335	35.875
184	18.431	18.192	20.080	20.935	25.416	23.125	31.771	31.906	31.594	33.671	33.585	33.121	41.249	40.173	34.877	35.971	36.522	37.615	38.327	39.294	36.046	38.058	35.537	36.026
185	18.441	18.247	20.135	20.985	25.436	23.165	31.983	32.077	31.795	33.823	33.727	33.279	41.399	40.346	35.028	36.126	36.689	37.770	38.487	39.465	36.172	38.234	35.801	36.178
186	18.482	18.301	20.117	21.035	25.439	23.205	32.256	32.248	31.935	33.975	33.870	33.437	41.547	40.519	35.205	36.274	36.841	37.925	38.677	39.636	36.422	38.409	35.940	36.329
187	18.555	18.356	20.174	21.085	25.499	23.255	32.468	32.419	32.011	34.127	34.012	33.595	41.759	40.692	35.382	36.423	37.008	38.080	38.900	39.808	36.675	38.584	36.141	36.481
188	18.596	18.411	20.295	21.135	25.564	23.313	32.742	32.590	32.213	34.279	34.217	33.753	41.971	40.866	35.544	36.571	37.143	38.235	39.124	39.979	37.052	38.760	36.405	36.632

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
189	18.638	18.466	20.283	21.185	25.630	23.370	32.955	32.761	32.416	34.431	34.549	33.912	42.182	41.039	35.690	36.720	37.295	38.390	39.283	40.150	36.926	38.935	36.671	36.784
190	18.679	18.521	20.398	21.234	25.712	23.427	33.229	32.932	32.618	34.583	34.628	34.070	42.269	41.212	35.820	36.869	37.430	38.545	39.498	40.310	37.176	39.110	36.810	36.935
191	18.688	18.576	20.449	21.284	25.809	23.485	33.440	33.102	32.947	34.735	34.707	34.228	42.418	41.385	35.950	37.017	37.550	38.699	39.676	40.464	37.429	39.285	37.074	37.087
192	18.730	18.631	20.499	21.334	25.859	23.542	33.525	33.273	33.086	34.887	34.911	34.386	42.631	41.558	36.095	37.166	37.701	38.854	39.791	40.618	37.429	39.461	37.275	37.238
193	18.866	18.686	20.493	21.384	25.925	23.599	33.611	33.444	33.225	35.039	34.990	34.544	42.904	41.732	36.225	37.314	37.869	39.009	39.875	40.771	37.806	39.636	37.351	37.390
194	18.971	18.741	20.544	21.434	25.960	23.657	33.696	33.615	33.364	35.192	35.132	34.702	42.991	41.905	36.387	37.463	38.036	39.164	40.084	40.925	37.932	39.811	37.363	37.541
195	19.012	18.796	20.646	21.484	26.025	23.714	33.844	33.786	33.376	35.344	35.274	34.861	43.264	42.078	36.533	37.611	38.218	39.319	40.262	41.079	38.059	39.976	37.628	37.693
196	19.085	18.850	20.645	21.534	26.091	23.771	33.993	33.957	33.577	35.495	35.353	35.019	43.413	42.251	36.694	37.760	38.386	39.474	40.439	41.233	38.440	40.133	37.829	37.844
197	19.126	18.905	20.695	21.583	26.126	23.829	34.271	34.128	33.903	35.645	35.494	35.177	43.499	42.424	36.824	37.909	38.568	39.629	40.649	41.386	38.565	40.289	38.028	37.996
198	19.199	18.960	20.744	21.633	26.207	23.886	34.545	34.299	34.041	35.795	35.573	35.335	43.648	42.598	36.970	38.057	38.720	39.784	40.796	41.540	38.942	40.446	38.292	38.147
199	19.240	19.015	20.794	21.683	26.257	23.944	34.630	34.469	34.241	35.945	35.778	35.493	43.012	42.771	37.116	38.206	38.855	39.939	40.974	41.694	39.319	40.603	38.431	38.299
200	19.344	19.070	20.842	21.733	26.323	24.001	34.779	34.640	34.378	36.095	35.919	35.652	43.163	42.944	37.294	38.354	39.007	40.094	41.183	41.847	39.444	40.759	38.632	38.450
201	19.386	19.125	20.891	21.783	26.404	24.058	34.864	34.811	34.644	36.245	36.123	35.809	43.303	43.104	37.455	38.503	39.158	40.249	41.330	42.001	39.569	40.916	38.896	38.602
202	19.458	19.180	20.897	21.833	26.470	24.116	35.012	34.982	34.719	36.395	36.327	35.966	43.451	43.254	37.585	38.652	39.325	40.403	41.445	42.155	39.694	41.073	39.035	38.753
203	19.531	19.235	20.987	21.883	26.536	24.173	35.225	35.153	34.856	36.545	36.468	36.122	43.629	43.405	37.715	38.800	39.460	40.558	41.592	42.309	39.694	41.229	39.110	38.905
204	19.604	19.290	21.035	21.932	26.602	24.230	35.437	35.324	35.056	36.695	36.546	36.279	43.760	43.555	37.861	38.949	39.596	40.713	41.739	42.462	39.819	41.386	39.248	39.057
205	19.613	19.345	21.121	21.982	26.652	24.288	35.523	35.495	35.322	36.845	36.687	36.436	43.923	43.705	37.975	39.097	39.731	40.868	41.885	42.616	40.196	41.543	39.387	39.208
206	19.750	19.400	21.206	22.032	26.718	24.345	35.608	35.666	35.523	36.995	36.891	36.593	44.070	43.856	38.137	39.246	39.898	41.023	42.063	42.770	40.322	41.699	39.525	39.360
207	19.823	19.454	21.251	22.082	26.784	24.402	35.756	35.836	35.661	37.145	37.032	36.749	44.233	44.006	38.298	39.395	40.097	41.178	42.272	42.924	40.322	41.856	39.728	39.511
208	19.864	19.509	21.296	22.132	26.834	24.460	36.094	36.007	35.798	37.295	37.173	36.906	44.364	44.156	38.428	39.543	40.280	41.333	42.387	43.077	40.572	42.013	39.990	39.663
209	19.905	19.564	21.306	22.182	26.884	24.517	36.243	36.178	35.998	37.445	37.251	37.063	44.542	44.307	38.621	39.692	40.479	41.488	42.534	43.231	40.825	42.169	40.066	39.814
210	19.978	19.619	21.352	22.231	26.981	24.574	36.453	36.349	36.073	37.595	37.516	37.219	44.690	44.457	38.799	39.840	40.646	41.643	42.681	43.385	41.198	42.326	40.204	39.966
211	20.051	19.674	21.364	22.281	27.047	24.632	36.601	36.520	36.337	37.745	37.720	37.376	44.868	44.607	38.944	39.989	40.797	41.798	42.827	43.539	41.324	42.483	40.342	40.117
212	20.187	19.729	21.444	22.331	27.097	24.689	36.813	36.691	36.412	37.895	37.861	37.533	45.046	44.758	39.090	40.137	40.933	41.952	42.974	43.692	41.198	42.639	40.480	40.269
213	20.260	19.784	21.536	22.397	27.195	24.746	36.899	36.862	36.549	38.045	38.002	37.690	45.193	44.908	39.236	40.286	41.084	42.107	43.151	43.846	41.324	42.796	40.619	40.420
214	20.365	19.839	21.596	22.464	27.260	24.804	36.984	37.033	36.687	38.195	38.205	37.846	45.356	45.058	39.366	40.435	41.235	42.262	43.330	44.000	41.324	42.953	40.819	40.572
215	20.470	19.894	21.593	22.531	27.310	24.861	37.070	37.203	36.887	38.345	38.409	38.003	45.535	45.209	39.511	40.583	41.387	42.417	43.445	44.154	41.701	43.109	41.022	40.723
216	20.542	19.949	21.654	22.599	27.361	24.918	37.343	37.374	36.962	38.495	38.550	38.160	45.697	45.359	39.705	40.732	41.522	42.572	43.529	44.307	41.951	43.266	41.097	40.875
217	20.552	20.004	21.686	22.666	27.411	24.976	37.555	37.545	37.226	38.645	38.628	38.316	45.860	45.509	39.850	40.880	41.704	42.726	43.707	44.461	42.201	43.423	41.110	41.026
218	20.561	20.058	21.718	22.734	27.445	25.033	37.704	37.716	37.301	38.795	38.769	38.473	46.023	45.660	40.012	41.029	41.844	42.868	43.853	44.615	42.325	43.579	41.311	41.178
219	20.666	20.113	21.751	22.801	27.527	25.090	37.915	37.887	37.376	38.945	38.847	38.630	46.154	45.810	40.142	41.178	42.015	43.009	44.032	44.769	42.325	43.736	41.449	41.329
220	20.707	20.168	21.814	22.869	27.593	25.148	38.063	38.058	37.576	39.095	39.052	38.787	46.301	45.960	40.287	41.326	42.186	43.151	44.178	44.922	42.573	43.893	41.651	41.481

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
221	20.812	20.223	21.849	22.936	27.658	25.205	38.211	38.229	37.901	39.245	39.130	38.943	46.464	46.111	40.481	41.475	42.326	43.293	44.325	45.076	42.698	44.049	41.789	41.632
222	20.853	20.278	21.884	23.004	27.693	25.262	38.357	38.396	38.102	39.395	39.334	39.100	46.626	46.261	40.642	41.623	42.465	43.434	44.471	45.230	42.823	44.206	41.927	41.784
223	20.894	20.333	21.920	23.071	27.759	25.320	38.440	38.562	38.177	39.545	39.474	39.257	46.789	46.411	40.788	41.772	42.589	43.576	44.617	45.384	43.200	44.363	42.065	41.935
224	20.967	20.388	21.984	23.139	27.809	25.377	38.523	38.729	38.315	39.695	39.553	39.413	46.905	46.562	40.949	41.921	42.744	43.717	44.826	45.537	43.450	44.519	42.203	42.087
225	20.976	20.443	22.073	23.206	27.875	25.434	38.669	38.895	38.515	39.845	39.631	39.570	47.068	46.712	41.126	42.069	42.884	43.859	45.004	45.691	43.700	44.676	42.465	42.238
226	21.093	20.514	22.110	23.274	27.909	25.492	38.877	39.061	38.777	39.995	39.771	39.727	47.184	46.862	41.288	42.218	43.023	44.001	45.213	45.845	43.950	44.833	42.666	42.390
227	21.242	20.586	22.148	23.341	27.959	25.549	38.960	39.227	38.915	40.145	39.850	39.884	47.346	47.013	41.434	42.366	43.194	44.142	45.391	45.999	44.200	44.989	42.930	42.541
228	21.297	20.659	22.212	23.409	28.025	25.606	39.231	39.393	39.115	40.295	39.928	40.040	47.493	47.163	41.580	42.515	43.334	44.284	45.538	46.152	44.447	45.146	43.131	42.693
229	21.415	20.731	22.250	23.476	28.060	25.664	39.314	39.558	39.315	40.445	40.069	40.197	47.641	47.313	41.725	42.663	43.474	44.425	45.715	46.306	44.447	45.303	43.270	42.844
230	21.564	20.803	22.314	23.543	28.125	25.721	39.520	39.723	39.516	40.595	40.209	40.354	47.788	47.464	41.871	42.812	43.613	44.567	45.862	46.460	44.820	45.459	43.470	42.996
231	21.649	20.875	22.377	23.611	28.206	25.779	39.540	39.888	39.718	40.745	40.225	40.510	47.950	47.614	42.001	42.961	43.753	44.709	46.071	46.614	45.197	45.616	43.608	43.147
232	21.735	20.947	22.417	23.678	28.288	25.836	39.747	40.053	39.856	40.895	40.430	40.667	48.097	47.764	42.179	43.109	43.908	44.850	46.249	46.767	45.447	45.773	43.870	43.299
233	21.821	21.020	22.458	23.746	28.323	25.893	39.830	40.218	39.869	41.045	40.508	40.824	48.260	47.915	42.356	43.258	44.063	44.992	46.395	46.921	45.821	45.930	44.042	43.450
234	21.875	21.092	22.544	23.813	28.373	25.951	40.098	40.383	40.069	41.195	40.713	40.981	48.438	48.065	42.517	43.406	44.187	45.134	46.542	47.075	45.568	46.086	44.183	43.602
235	21.930	21.164	22.607	23.881	28.439	26.008	40.306	40.547	40.269	41.345	40.917	41.137	48.600	48.215	42.679	43.555	44.343	45.275	46.688	47.229	45.815	46.243	44.324	43.753
236	21.952	21.236	22.648	23.948	28.504	26.065	40.451	40.711	40.469	41.495	41.057	41.294	48.778	48.366	42.824	43.704	44.482	45.417	46.835	47.382	46.188	46.400	44.462	43.899
237	22.038	21.308	22.733	24.016	28.554	26.123	40.719	40.875	40.669	41.645	41.198	41.451	48.910	48.516	42.986	43.852	44.637	45.558	46.981	47.536	46.313	46.556	44.594	44.034
238	22.155	21.381	22.818	24.083	28.640	26.185	40.801	41.038	40.806	41.795	41.400	41.607	49.072	48.666	43.148	44.001	44.777	45.700	47.127	47.690	46.563	46.713	44.727	44.170
239	22.273	21.453	22.859	24.151	28.721	26.259	40.883	41.202	40.943	41.945	41.540	41.764	49.188	48.817	43.309	44.149	44.932	45.842	47.243	47.844	46.687	46.870	44.859	44.305
240	22.359	21.525	22.943	24.218	28.801	26.333	41.027	41.365	41.143	42.095	41.681	41.921	49.367	48.967	43.517	44.298	45.087	45.983	47.420	47.997	46.937	47.026	44.961	44.440
241	22.382	21.597	23.026	24.286	28.882	26.408	41.234	41.528	41.343	42.245	41.823	42.078	49.544	49.117	43.644	44.443	45.227	46.125	47.567	48.151	47.061	47.183	45.125	44.576
242	22.467	21.669	23.067	24.353	28.962	26.482	41.377	41.691	41.542	42.395	41.964	42.234	49.707	49.268	43.791	44.575	45.366	46.266	47.745	48.305	47.186	47.340	45.257	44.711
243	22.553	21.742	23.149	24.421	29.027	26.556	41.584	41.854	41.680	42.545	42.295	42.391	49.854	49.418	43.969	44.707	45.538	46.408	47.860	48.459	47.186	47.496	45.421	44.846
244	22.607	21.814	23.191	24.488	29.108	26.630	41.727	42.016	41.692	42.695	42.559	42.547	50.016	49.568	44.132	44.839	45.677	46.550	48.069	48.612	47.808	47.653	45.523	44.982
245	22.661	21.886	23.253	24.556	29.173	26.705	41.808	42.179	41.767	42.845	42.698	42.699	50.179	49.719	44.294	44.970	45.832	46.691	48.216	48.766	48.182	47.810	45.719	45.117
246	22.715	21.958	23.335	24.623	29.253	26.779	42.013	42.341	41.904	42.995	42.960	42.850	50.326	49.869	44.425	45.102	46.003	46.833	48.393	48.920	48.182	47.966	45.852	45.252
247	22.865	22.030	23.377	24.690	29.318	26.853	42.280	42.503	41.979	43.145	43.162	43.002	50.473	50.019	44.572	45.234	46.158	46.974	48.562	49.061	48.307	48.123	46.015	45.388
248	22.982	22.102	23.439	24.758	29.399	26.927	42.423	42.664	42.054	43.295	43.300	43.153	50.636	50.170	44.719	45.366	46.314	47.116	48.690	49.191	48.432	48.241	46.179	45.523
249	23.131	22.175	23.501	24.825	29.495	27.001	42.629	42.826	42.316	43.445	43.438	43.304	50.798	50.320	44.897	45.498	46.453	47.258	48.819	49.320	48.556	48.354	46.312	45.659
250	23.185	22.247	23.562	24.893	29.575	27.076	42.835	42.987	42.391	43.595	43.576	43.454	50.960	50.470	45.013	45.630	46.609	47.399	48.916	49.450	48.802	48.468	46.445	45.794
251	23.271	22.319	23.606	24.960	29.656	27.150	43.042	43.148	42.591	43.745	43.838	43.605	51.123	50.621	45.144	45.762	46.733	47.541	49.044	49.579	49.049	48.581	46.547	45.929
252	23.325	22.391	23.686	25.028	29.767	27.224	43.122	43.309	42.728	43.895	43.975	43.755	51.285	50.771	45.259	45.894	46.857	47.682	49.203	49.709	49.049	48.695	46.679	46.065

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
253	23.475	22.463	23.747	25.095	29.848	27.298	43.328	43.470	42.866	44.045	44.112	43.905	51.432	50.921	45.390	46.026	46.980	47.824	49.362	49.838	49.173	48.808	46.843	46.200
254	23.560	22.536	23.809	25.163	29.944	27.373	43.470	43.630	43.003	44.194	44.250	44.054	51.595	51.072	45.552	46.157	47.120	47.966	49.554	49.968	49.423	48.921	47.006	46.335
255	23.678	22.608	23.887	25.230	30.009	27.447	43.674	43.791	43.132	44.328	44.449	44.204	51.726	51.222	45.683	46.289	47.228	48.107	49.651	50.098	49.797	49.035	47.201	46.471
256	23.764	22.680	23.949	25.298	30.090	27.521	43.754	43.951	43.388	44.462	44.649	44.353	51.826	51.336	45.830	46.421	47.414	48.249	49.748	50.227	49.921	49.148	47.303	46.606
257	23.850	22.752	24.027	25.365	30.154	27.595	43.834	44.111	43.580	44.596	44.724	44.502	51.933	51.441	45.961	46.553	47.538	48.391	49.908	50.357	50.171	49.262	47.404	46.741
258	23.904	22.824	24.088	25.433	30.219	27.670	43.914	44.271	43.710	44.730	44.798	44.651	52.025	51.546	46.092	46.685	47.693	48.532	50.098	50.486	50.295	49.375	47.568	46.877
259	23.989	22.897	24.132	25.500	30.269	27.744	44.120	44.430	43.840	44.864	44.934	44.800	52.132	51.651	46.207	46.817	47.833	48.674	50.227	50.616	50.418	49.489	47.763	47.012
260	24.075	22.969	24.209	25.568	30.334	27.818	44.200	44.589	43.844	44.998	45.071	44.948	52.270	51.756	46.354	46.949	47.957	48.815	50.386	50.745	50.543	49.602	47.896	47.148
261	24.161	23.041	24.287	25.635	30.414	27.892	44.406	44.748	43.974	45.132	45.270	45.096	52.362	51.861	46.485	47.081	48.081	48.957	50.515	50.875	50.916	49.716	48.060	47.283
262	24.278	23.113	24.331	25.702	30.495	27.967	44.485	44.907	44.104	45.266	45.406	45.244	52.469	51.966	46.632	47.213	48.220	49.099	50.674	51.005	51.163	49.829	48.193	47.418
263	24.332	23.185	24.408	25.770	30.544	28.041	44.564	45.066	44.171	45.400	45.542	45.392	52.577	52.071	46.778	47.345	48.360	49.240	50.833	51.134	51.758	49.943	48.356	47.554
264	24.449	23.258	24.452	25.837	30.625	28.115	44.644	45.225	44.238	45.534	45.741	45.539	52.684	52.176	46.909	47.476	48.531	49.382	50.992	51.264	51.871	50.056	48.520	47.689
265	24.535	23.330	24.527	25.905	30.705	28.189	44.785	45.383	44.493	45.669	45.814	45.687	52.822	52.280	47.071	47.608	48.701	49.523	51.151	51.393	51.985	50.169	48.683	47.824
266	24.589	23.402	24.586	25.972	30.770	28.264	44.989	45.541	44.622	45.803	45.825	45.834	52.899	52.385	47.218	47.740	48.841	49.665	51.279	51.523	52.098	50.283	48.846	47.960
267	24.738	23.474	24.677	26.040	30.851	28.338	45.068	45.699	44.752	45.937	45.898	45.980	52.991	52.490	47.380	47.872	48.996	49.807	51.407	51.653	52.212	50.396	48.979	48.095
268	24.855	23.546	24.704	26.107	30.916	28.412	45.397	45.857	44.819	46.071	46.160	46.127	53.113	52.595	47.511	48.004	49.158	49.921	51.566	51.782	52.325	50.510	49.112	48.230
269	24.910	23.618	24.779	26.175	30.996	28.486	45.476	46.014	45.012	46.205	46.422	46.273	53.251	52.700	47.642	48.136	49.267	50.027	51.725	51.912	52.438	50.623	49.275	48.366
270	25.026	23.691	24.870	26.242	31.077	28.561	45.743	46.172	45.141	46.339	46.620	46.419	53.374	52.805	47.757	48.268	49.391	50.134	51.885	52.041	52.552	50.737	49.438	48.501
271	25.080	23.763	24.950	26.315	31.157	28.635	45.821	46.329	45.333	46.473	46.818	46.565	53.497	52.910	47.919	48.400	49.516	50.241	52.044	52.171	52.665	50.850	49.602	48.637
272	25.134	23.835	25.036	26.395	31.222	28.709	46.025	46.486	45.400	46.607	46.891	46.711	53.620	53.015	48.081	48.532	49.625	50.347	52.172	52.300	52.779	50.964	49.766	48.772
273	25.252	23.907	25.089	26.474	31.303	28.783	46.227	46.642	45.529	46.741	46.963	46.856	53.712	53.120	48.197	48.663	49.734	50.454	52.301	52.430	52.892	51.077	49.898	48.907
274	25.337	23.979	25.191	26.554	31.352	28.858	46.305	46.799	45.596	46.875	47.036	47.002	53.819	53.225	48.344	48.795	49.843	50.561	52.460	52.560	53.006	51.191	50.031	49.043
275	25.423	24.052	25.277	26.633	31.433	28.932	46.570	46.955	45.726	47.009	47.109	47.147	53.926	53.330	48.490	48.927	49.967	50.667	52.558	52.689	53.119	51.304	50.195	49.178
276	25.446	24.124	25.314	26.713	31.513	29.006	46.648	47.111	45.918	47.143	47.306	47.292	54.018	53.435	48.606	49.059	50.092	50.774	52.717	52.819	53.233	51.417	50.296	49.313
277	25.563	24.196	25.352	26.793	31.578	29.080	46.788	47.267	46.110	47.277	47.440	47.436	54.125	53.540	48.752	49.191	50.185	50.881	52.814	52.948	53.346	51.531	50.460	49.449
278	25.617	24.268	25.437	26.872	31.643	29.155	46.928	47.423	46.363	47.411	47.575	47.580	54.233	53.645	48.883	49.323	50.310	50.988	52.942	53.078	53.460	51.644	50.561	49.584
279	25.703	24.340	25.523	26.952	31.724	29.229	47.131	47.579	46.555	47.545	47.833	47.725	54.371	53.750	49.030	49.455	50.434	51.094	53.070	53.208	53.573	51.758	50.694	49.720
280	25.789	24.413	25.577	27.031	31.789	29.303	47.395	47.734	46.559	47.679	47.905	47.868	54.478	53.855	49.177	49.587	50.559	51.201	53.198	53.337	53.686	51.871	50.826	49.855
281	25.811	24.485	25.646	27.111	31.838	29.377	47.661	47.889	46.689	47.813	48.039	48.012	54.585	53.959	49.292	49.719	50.668	51.308	53.327	53.467	53.800	51.985	50.959	49.990
282	25.865	24.557	25.684	27.190	31.950	29.451	47.739	48.044	46.941	47.948	48.236	48.156	54.692	54.064	49.423	49.850	50.792	51.414	53.455	53.596	53.913	52.098	51.091	50.126
283	25.951	24.629	25.785	27.270	32.015	29.526	47.879	48.199	47.071	48.082	48.370	48.299	54.815	54.169	49.570	49.982	50.933	51.521	53.552	53.726	54.027	52.212	51.217	50.261
284	26.005	24.701	25.839	27.349	32.095	29.600	48.080	48.353	47.323	48.216	48.441	48.442	54.968	54.274	49.717	50.114	51.026	51.628	53.649	53.855	54.140	52.325	51.309	50.396

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
285	26.090	24.774	25.893	27.429	32.191	29.674	48.281	48.508	47.390	48.350	48.575	48.585	55.106	54.379	49.863	50.246	51.135	51.735	53.777	53.985	54.254	52.438	51.402	50.532
286	26.145	24.846	25.962	27.508	32.288	29.748	48.296	48.662	47.582	48.484	48.833	48.727	55.214	54.484	50.009	50.378	51.260	51.841	53.812	54.115	54.367	52.552	51.525	50.667
287	26.230	24.918	26.032	27.588	32.383	29.823	48.435	48.816	47.711	48.618	48.966	48.869	55.305	54.589	50.125	50.510	51.353	51.948	53.940	54.244	54.481	52.665	51.555	50.802
288	26.355	25.000	26.101	27.667	32.464	29.897	48.573	48.969	47.902	48.752	49.099	49.012	55.397	54.694	50.271	50.642	51.478	52.055	54.068	54.374	54.594	52.779	51.678	50.938
289	26.479	25.082	26.203	27.747	32.560	29.971	48.775	49.123	48.031	48.886	49.170	49.153	55.504	54.799	50.448	50.774	51.587	52.161	54.227	54.503	54.708	52.892	51.802	51.073
290	26.603	25.164	26.256	27.826	32.640	30.045	48.852	49.276	48.222	49.020	49.365	49.295	55.643	54.904	50.610	50.906	51.711	52.268	54.355	54.633	54.821	53.006	51.956	51.209
291	26.728	25.246	26.310	27.906	32.705	30.120	48.929	49.430	48.289	49.154	49.435	49.437	55.781	55.009	50.741	51.038	51.836	52.375	54.483	54.762	54.934	53.119	52.065	51.315
292	26.852	25.328	26.380	27.985	32.801	30.194	49.253	49.582	48.481	49.288	49.568	49.578	55.934	55.114	50.888	51.169	51.960	52.481	54.643	54.892	55.048	53.233	52.170	51.414
293	26.945	25.410	26.449	28.065	32.897	30.268	49.454	49.735	48.610	49.422	49.701	49.719	56.041	55.219	51.066	51.301	52.085	52.588	54.803	55.022	55.161	53.346	52.306	51.513
294	26.975	25.492	26.503	28.144	32.977	30.342	49.656	49.888	48.739	49.556	49.833	49.859	56.164	55.324	51.197	51.433	52.194	52.695	54.900	55.151	55.275	53.460	52.443	51.612
295	27.036	25.574	26.556	28.224	33.027	30.417	49.794	50.040	48.995	49.690	50.027	50.000	56.256	55.429	51.327	51.565	52.287	52.802	54.997	55.281	55.388	53.573	52.517	51.711
296	27.129	25.656	26.642	28.303	33.107	30.491	49.994	50.192	48.999	49.824	50.223	50.140	56.363	55.534	51.489	51.697	52.412	52.908	55.094	55.410	55.502	53.686	52.592	51.810
297	27.254	25.738	26.712	28.383	33.172	30.565	50.195	50.344	49.005	49.958	50.354	50.280	56.501	55.639	51.622	51.813	52.505	53.015	55.129	55.540	55.615	53.800	52.666	51.909
298	27.284	25.820	26.765	28.462	33.222	30.639	50.208	50.496	49.258	50.092	50.549	50.420	56.593	55.743	51.753	51.909	52.630	53.122	55.257	55.670	55.729	53.913	52.677	52.008
299	27.345	25.902	26.851	28.542	33.302	30.714	50.409	50.648	49.325	50.227	50.557	50.560	56.715	55.848	51.836	52.005	52.770	53.228	55.385	55.799	55.842	54.027	52.783	52.107
300	27.438	25.984	26.936	28.621	33.383	30.788	50.545	50.796	49.330	50.361	50.689	50.699	56.838	55.953	51.936	52.101	52.878	53.335	55.513	55.929	55.955	54.140	52.843	52.206
301	27.499	26.066	27.006	28.701	33.417	30.862	50.680	50.941	49.460	50.495	50.758	50.839	56.961	56.058	52.035	52.196	53.003	53.442	55.703	56.058	56.069	54.254	52.926	52.304
302	27.561	26.148	27.091	28.780	33.482	30.936	50.815	51.086	49.652	50.629	50.828	50.978	57.068	56.163	52.135	52.292	53.096	53.548	55.862	56.188	56.182	54.367	52.997	52.403
303	27.686	26.230	27.145	28.860	33.562	31.011	51.012	51.230	49.904	50.763	50.959	51.116	57.175	56.268	52.265	52.388	53.205	53.655	55.959	56.317	56.296	54.481	53.095	52.502
304	27.747	26.312	27.214	28.939	33.627	31.085	51.146	51.374	50.032	50.897	51.152	51.255	57.298	56.373	52.395	52.484	53.345	53.762	56.167	56.430	56.409	54.594	53.089	52.601
305	27.903	26.394	27.268	29.019	33.723	31.159	51.343	51.517	50.161	51.031	51.284	51.393	57.436	56.478	52.510	52.579	53.454	53.869	56.295	56.518	56.523	54.708	53.164	52.700
306	27.964	26.476	27.338	29.098	33.803	31.233	51.664	51.661	50.291	51.165	51.414	51.531	57.559	56.583	52.594	52.675	53.578	53.975	56.392	56.606	56.636	54.821	53.251	52.799
307	28.057	26.558	27.391	29.178	33.868	31.308	51.798	51.804	50.420	51.299	51.607	51.669	57.650	56.688	52.678	52.771	53.687	54.082	56.489	56.695	56.750	54.934	53.353	52.898
308	28.181	26.640	27.477	29.257	33.933	31.382	51.869	51.946	50.548	51.433	51.799	51.807	57.773	56.793	52.777	52.867	53.796	54.189	56.586	56.783	56.863	55.048	53.455	52.997
309	28.306	26.722	27.578	29.337	33.998	31.456	52.064	52.088	50.615	51.567	51.931	51.944	57.865	56.898	52.876	52.962	53.905	54.295	56.652	56.871	56.977	55.161	53.557	53.096
310	28.368	26.804	27.679	29.416	34.063	31.530	52.197	52.230	50.745	51.701	51.938	52.081	58.003	57.003	52.945	53.058	54.014	54.402	56.718	56.959	57.090	55.275	53.644	53.194
311	28.460	26.886	27.765	29.496	34.144	31.605	52.329	52.372	50.812	51.835	52.006	52.218	58.110	57.108	53.044	53.154	54.122	54.509	56.815	57.047	57.203	55.388	53.730	53.293
312	28.491	26.968	27.819	29.575	34.255	31.679	52.462	52.513	50.941	51.969	52.199	52.355	58.186	57.213	53.159	53.249	54.262	54.615	56.912	57.135	57.317	55.502	53.832	53.392
313	28.552	27.050	27.888	29.655	34.320	31.753	52.595	52.654	51.094	52.095	52.391	52.491	58.309	57.318	53.274	53.345	54.387	54.722	57.040	57.224	57.430	55.615	53.934	53.491
314	28.645	27.132	27.958	29.734	34.401	31.827	52.790	52.794	51.157	52.221	52.520	52.628	58.416	57.422	53.389	53.441	54.496	54.829	57.168	57.312	57.544	55.729	54.051	53.590
315	28.738	27.214	28.044	29.814	34.465	31.901	52.985	52.934	51.287	52.347	52.711	52.764	58.508	57.527	53.472	53.537	54.620	54.936	57.265	57.400	57.657	55.842	54.169	53.689
316	28.862	27.296	28.129	29.893	34.562	31.976	53.116	53.074	51.416	52.472	52.779	52.900	58.600	57.632	53.556	53.632	54.745	55.042	57.394	57.488	57.771	55.955	54.271	53.788

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
317	28.987	27.378	28.199	29.973	34.658	32.050	53.248	53.213	51.546	52.597	52.909	53.035	58.707	57.737	53.702	53.728	54.869	55.149	57.521	57.576	57.884	56.069	54.389	53.887
318	29.080	27.460	28.300	30.052	34.753	32.124	53.380	53.352	51.675	52.721	52.977	53.171	58.814	57.842	53.816	53.824	54.978	55.256	57.588	57.665	57.998	56.182	54.506	53.986
319	29.204	27.542	28.386	30.132	34.834	32.198	53.634	53.491	51.804	52.846	53.229	53.306	58.906	57.947	53.931	53.920	55.086	55.362	57.685	57.753	58.111	56.296	54.592	54.085
320	29.297	27.624	28.439	30.211	34.899	32.273	53.703	53.629	51.933	52.970	53.421	53.441	59.029	58.052	54.031	54.015	55.180	55.469	57.782	57.841	58.225	56.409	54.695	54.183
321	29.390	27.706	28.509	30.291	34.964	32.347	53.834	53.767	52.062	53.094	53.550	53.575	59.136	58.157	54.130	54.111	55.304	55.576	57.879	57.929	58.338	56.523	54.796	54.282
322	29.483	27.788	28.578	30.370	35.029	32.421	54.027	53.905	52.191	53.217	53.679	53.710	59.243	58.262	54.229	54.207	55.428	55.683	57.976	58.017	58.451	56.636	54.898	54.381
323	29.576	27.870	28.711	30.450	35.078	32.495	54.220	54.042	52.320	53.341	53.808	53.844	59.335	58.367	54.328	54.303	55.553	55.789	58.103	58.105	58.565	56.750	55.000	54.480
324	29.606	27.952	28.797	30.529	35.159	32.570	54.351	54.179	52.448	53.464	53.875	53.978	59.458	58.472	54.443	54.398	55.646	55.896	58.139	58.194	58.678	56.863	55.118	54.579
325	29.730	28.034	28.866	30.609	35.208	32.644	54.419	54.316	52.577	53.586	54.003	54.112	59.549	58.577	54.527	54.494	55.755	56.003	58.236	58.282	58.792	56.977	55.189	54.678
326	29.823	28.116	28.936	30.688	35.273	32.718	54.425	54.452	52.705	53.709	54.193	54.246	59.687	58.682	54.641	54.590	55.879	56.109	58.302	58.370	58.905	57.090	55.291	54.777
327	29.884	28.198	29.037	30.768	35.338	32.792	54.617	54.588	52.833	53.831	54.260	54.379	59.825	58.787	54.756	54.686	55.973	56.216	58.368	58.458	59.019	57.203	55.377	54.876
328	29.977	28.280	29.091	30.848	35.403	32.867	54.746	54.723	52.961	53.953	54.388	54.512	59.948	58.892	54.856	54.781	56.097	56.323	58.527	58.546	59.132	57.317	55.464	54.975
329	30.070	28.362	29.192	30.927	35.484	32.941	54.875	54.858	53.085	54.075	54.455	54.645	60.055	58.997	54.970	54.877	56.206	56.429	58.563	58.635	59.246	57.430	55.597	55.074
330	30.100	28.444	29.278	31.007	35.549	33.015	54.819	54.993	53.209	54.196	54.521	54.778	60.178	59.101	55.070	54.973	56.315	56.536	58.660	58.723	59.359	57.544	55.668	55.172
331	30.193	28.527	29.347	31.086	35.614	33.089	55.073	55.128	53.332	54.317	54.710	54.909	60.269	59.206	55.231	55.069	56.424	56.643	58.787	58.811	59.473	57.657	55.770	55.271
332	30.317	28.609	29.433	31.166	35.709	33.164	55.140	55.262	53.455	54.438	54.774	55.036	60.361	59.311	55.346	55.164	56.517	56.750	58.915	58.899	59.586	57.771	55.887	55.370
333	30.410	28.691	29.502	31.245	35.821	33.238	55.269	55.396	53.578	54.559	54.961	55.163	60.453	59.416	55.430	55.260	56.641	56.856	59.012	58.987	59.699	57.884	56.005	55.469
334	30.503	28.773	29.540	31.325	35.902	33.312	55.212	55.529	53.700	54.679	55.086	55.289	60.560	59.521	55.529	55.356	56.750	56.963	59.140	59.076	59.813	57.998	56.107	55.568
335	30.595	28.855	29.626	31.404	35.982	33.386	55.340	55.662	53.822	54.799	55.150	55.415	60.652	59.626	55.613	55.451	56.874	57.070	59.237	59.164	59.926	58.111	56.224	55.667
336	30.689	28.937	29.711	31.484	36.047	33.461	55.468	55.795	53.944	54.919	55.213	55.541	60.744	59.731	55.712	55.547	56.983	57.176	59.334	59.252	60.040	58.225	56.326	55.766
337	30.718	29.019	29.749	31.563	36.127	33.535	55.411	55.927	54.066	55.038	55.275	55.667	60.882	59.836	55.812	55.643	57.061	57.283	59.400	59.340	60.134	58.338	56.428	55.865
338	30.780	29.101	29.786	31.643	36.192	33.609	55.539	56.059	54.187	55.157	55.276	55.792	60.958	59.941	55.926	55.739	57.185	57.390	59.528	59.428	60.213	58.451	56.515	55.964
339	30.904	29.183	29.888	31.722	36.257	33.683	55.666	56.191	54.308	55.276	55.400	55.917	61.096	60.046	56.025	55.834	57.294	57.496	59.625	59.516	60.291	58.565	56.632	56.062
340	31.060	29.265	29.926	31.802	36.338	33.758	55.732	56.322	54.429	55.395	55.586	56.041	61.204	60.151	56.094	55.930	57.403	57.603	59.722	59.605	60.369	58.678	56.734	56.161
341	31.216	29.347	29.979	31.881	36.405	33.834	55.859	56.453	54.550	55.513	55.772	56.166	61.280	60.256	56.208	56.026	57.512	57.710	59.849	59.693	60.448	58.792	56.836	56.260
342	31.277	29.429	30.081	31.961	36.488	33.911	55.986	56.584	54.670	55.631	55.896	56.289	61.387	60.361	56.308	56.122	57.621	57.817	59.946	59.781	60.526	58.905	56.953	56.359
343	31.307	29.511	30.134	32.040	36.586	33.988	56.113	56.714	54.790	55.749	55.958	56.413	61.494	60.466	56.391	56.217	57.729	57.923	60.074	59.869	60.605	59.019	57.055	56.458
344	31.400	29.593	30.236	32.120	36.669	34.066	56.239	56.844	54.910	55.867	55.958	56.536	61.602	60.571	56.491	56.313	57.854	58.030	60.140	59.957	60.683	59.132	57.172	56.557
345	31.462	29.675	30.289	32.199	36.768	34.143	56.366	56.973	55.029	55.984	56.143	56.659	61.709	60.676	56.559	56.409	57.947	58.137	60.268	60.046	60.762	59.246	57.259	56.656
346	31.555	29.757	30.343	32.279	36.851	34.221	56.431	57.102	55.149	56.101	56.204	56.781	61.847	60.781	56.674	56.505	58.056	58.243	60.335	60.134	60.840	59.359	57.376	56.755
347	31.647	29.839	30.445	32.358	36.934	34.298	56.434	57.231	55.268	56.218	56.265	56.904	61.969	60.885	56.804	56.600	58.195	58.350	60.431	60.222	60.919	59.473	57.463	56.854
348	31.709	29.921	30.514	32.438	37.017	34.375	56.560	57.360	55.386	56.334	56.449	57.025	62.076	60.990	56.887	56.696	58.319	58.457	60.590	60.310	60.997	59.586	57.565	56.953

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
349	31.801	30.003	30.600	32.517	37.100	34.453	56.685	57.488	55.505	56.451	56.634	57.147	62.153	61.095	56.987	56.792	58.428	58.563	60.663	60.398	61.076	59.699	57.698	57.051
350	31.926	30.085	30.685	32.597	37.168	34.530	56.811	57.616	55.623	56.567	56.694	57.268	62.245	61.200	57.178	56.888	58.537	58.670	60.751	60.486	61.154	59.813	57.815	57.150
351	32.050	30.167	30.755	32.676	37.220	34.607	57.059	57.743	55.741	56.682	56.631	57.389	62.337	61.305	57.262	56.983	58.661	58.777	60.839	60.575	61.232	59.926	57.948	57.249
352	32.174	30.249	30.840	32.756	37.272	34.685	57.247	57.870	55.858	56.798	56.753	57.509	62.444	61.410	57.377	57.079	58.770	58.884	60.927	60.663	61.311	60.040	58.034	57.348
353	32.236	30.332	30.910	32.835	37.340	34.762	57.310	57.997	55.975	56.913	56.813	57.630	62.551	61.515	57.476	57.175	58.894	58.990	61.016	60.751	61.389	60.134	58.121	57.447
354	32.329	30.414	30.995	32.915	37.408	34.839	57.435	58.123	56.092	57.028	56.997	57.749	62.658	61.620	57.560	57.271	59.019	59.097	61.104	60.839	61.468	60.213	58.208	57.546
355	32.390	30.496	31.080	32.994	37.491	34.917	57.498	58.249	56.209	57.142	57.056	57.869	62.781	61.725	57.674	57.366	59.143	59.204	61.192	60.927	61.546	60.291	58.325	57.645
356	32.515	30.578	31.166	33.074	37.574	34.994	57.623	58.375	56.326	57.256	57.177	57.988	62.872	61.830	57.758	57.462	59.206	59.310	61.280	61.016	61.625	60.369	58.427	57.744
357	32.576	30.660	31.219	33.153	37.657	35.071	57.871	58.500	56.442	57.371	57.298	58.107	62.964	61.935	57.857	57.558	59.346	59.417	61.368	61.104	61.703	60.448	58.529	57.843
358	32.701	30.743	31.305	33.233	37.756	35.149	58.057	58.625	56.558	57.484	57.420	58.225	63.056	62.040	57.972	57.654	59.455	59.524	61.457	61.192	61.782	60.526	58.646	57.942
359	32.825	30.825	31.406	33.312	37.824	35.226	58.181	58.750	56.674	57.598	57.602	58.343	63.163	62.145	58.056	57.749	59.579	59.631	61.545	61.280	61.860	60.605	58.748	58.040
360	32.886	30.907	31.444	33.392	37.891	35.303	58.305	58.874	56.789	57.711	57.722	58.461	63.255	62.250	58.140	57.845	59.703	59.737	61.633	61.368	61.939	60.683	58.865	58.139
361	32.979	30.989	31.498	33.471	37.959	35.381	58.430	58.998	56.904	57.824	57.781	58.578	63.347	62.355	58.224	57.941	59.843	59.844	61.721	61.457	62.017	60.762	58.952	58.238
362	33.010	31.072	31.583	33.551	38.042	35.458	58.554	59.122	57.019	57.937	57.901	58.696	63.454	62.460	58.338	58.036	59.967	59.951	61.809	61.545	62.095	60.840	59.054	58.337
363	33.103	31.154	31.637	33.630	38.125	35.535	58.677	59.245	57.133	58.049	58.082	58.812	63.546	62.564	58.437	58.132	60.091	60.057	61.897	61.633	62.174	60.919	59.156	58.436
364	33.133	31.236	31.723	33.710	38.193	35.613	58.862	59.368	57.248	58.161	58.078	58.929	63.653	62.669	58.536	58.228	60.231	60.164	61.986	61.721	62.252	60.997	59.227	58.535
365	33.195	31.318	31.824	33.789	38.261	35.690	58.923	59.490	57.362	58.273	58.136	59.045	63.752	62.765	58.635	58.324	60.324	60.271	62.074	61.809	62.331	61.076	59.313	58.634
366	33.319	31.400	31.893	33.869	38.359	35.767	58.984	59.612	57.476	58.385	58.319	59.161	63.860	62.835	58.719	58.419	60.417	60.377	62.162	61.897	62.409	61.154	59.400	58.733
367	33.381	31.483	31.979	33.948	38.427	35.845	59.169	59.734	57.589	58.496	58.439	59.276	63.952	62.906	58.818	58.515	60.511	60.484	62.250	61.986	62.488	61.232	59.486	58.832
368	33.442	31.565	32.080	34.028	38.495	35.922	59.168	59.856	57.702	58.607	58.497	59.391	64.029	62.976	58.902	58.611	60.597	60.583	62.338	62.074	62.566	61.311	59.573	58.930
369	33.504	31.647	32.150	34.107	38.562	35.999	59.290	59.977	57.815	58.718	58.554	59.506	64.075	63.047	58.986	58.707	60.679	60.659	62.427	62.162	62.645	61.389	59.659	59.029
370	33.566	31.729	32.203	34.187	38.630	36.077	59.473	60.097	57.928	58.828	58.611	59.620	64.152	63.117	59.101	58.802	60.777	60.736	62.515	62.250	62.723	61.468	59.761	59.128
371	33.690	31.811	32.289	34.266	38.698	36.154	59.596	60.218	58.040	58.938	58.791	59.734	64.245	63.187	59.200	58.898	60.859	60.812	62.603	62.338	62.802	61.546	59.863	59.227
372	33.846	31.894	32.374	34.346	38.781	36.231	59.779	60.338	58.152	59.048	58.910	59.848	64.322	63.258	59.283	58.994	60.941	60.888	62.691	62.427	62.880	61.625	59.965	59.326
373	33.908	31.976	32.475	34.425	38.833	36.309	59.838	60.458	58.264	59.158	58.967	59.961	64.414	63.328	59.383	59.090	61.024	60.965	62.779	62.515	62.958	61.703	60.082	59.425
374	34.000	32.058	32.561	34.505	38.932	36.386	60.083	60.577	58.376	59.267	59.085	60.074	64.491	63.399	59.482	59.185	61.106	61.041	62.867	62.603	63.037	61.782	60.200	59.524
375	34.124	32.140	32.614	34.584	38.999	36.463	60.143	60.696	58.487	59.376	59.203	60.187	64.568	63.469	59.596	59.281	61.188	61.118	62.956	62.691	63.115	61.860	60.302	59.623
376	34.249	32.223	32.732	34.664	39.067	36.541	60.387	60.815	58.598	59.485	59.259	60.300	64.645	63.539	59.711	59.377	61.301	61.194	63.044	62.779	63.194	61.939	60.403	59.722
377	34.341	32.305	32.786	34.743	39.135	36.618	60.446	60.933	58.709	59.594	59.377	60.412	64.691	63.610	59.825	59.473	61.383	61.270	63.132	62.867	63.272	62.017	60.475	59.821
378	34.465	32.387	32.839	34.823	39.233	36.695	60.628	61.051	58.819	59.702	59.494	60.523	64.768	63.680	59.940	59.568	61.481	61.347	63.220	62.956	63.351	62.095	60.577	59.919
379	34.527	32.469	32.909	34.903	39.301	36.773	60.748	61.167	58.930	59.810	59.488	60.635	64.845	63.751	60.055	59.664	61.563	61.423	63.308	63.044	63.429	62.174	60.663	60.018
380	34.651	32.551	32.963	34.982	39.368	36.850	60.806	61.283	59.040	59.918	59.605	60.746	64.922	63.821	60.154	59.760	61.645	61.499	63.397	63.132	63.508	62.252	60.765	60.117

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
381	34.775	32.634	33.032	35.062	39.482	36.927	60.863	61.398	59.149	60.026	59.722	60.856	64.983	63.891	60.253	59.856	61.743	61.576	63.485	63.220	63.586	62.331	60.852	60.216
382	34.868	32.716	33.149	35.141	39.550	37.005	60.921	61.513	59.259	60.133	59.839	60.967	65.060	63.962	60.337	59.951	61.825	61.652	63.573	63.308	63.665	62.409	60.938	60.315
383	34.898	32.798	33.187	35.221	39.633	37.082	61.102	61.628	59.368	60.240	59.956	61.077	65.106	64.032	60.451	60.047	61.907	61.728	63.661	63.397	63.743	62.488	61.025	60.414
384	34.929	32.880	33.273	35.300	39.701	37.159	61.098	61.743	59.477	60.346	60.133	61.186	65.168	64.102	60.581	60.143	62.005	61.805	63.749	63.485	63.821	62.566	61.142	60.513
385	35.022	32.962	33.342	35.380	39.784	37.237	61.216	61.857	59.585	60.453	60.250	61.296	65.230	64.173	60.650	60.238	62.087	61.881	63.837	63.573	63.900	62.645	61.259	60.612
386	35.177	33.045	33.428	35.459	39.867	37.314	61.458	61.970	59.694	60.559	60.243	61.405	65.291	64.243	60.718	60.334	62.185	61.958	63.926	63.661	63.978	62.723	61.361	60.711
387	35.238	33.127	33.513	35.539	39.919	37.392	61.514	62.083	59.802	60.665	60.420	61.513	65.384	64.314	60.786	60.430	62.267	62.034	64.014	63.749	64.057	62.802	61.494	60.810
388	35.331	33.209	33.582	35.617	39.987	37.469	61.571	62.196	59.909	60.770	60.536	61.622	65.476	64.384	60.870	60.526	62.334	62.110	64.102	63.837	64.135	62.880	61.596	60.908
389	35.362	33.291	33.633	35.694	40.055	37.546	61.689	62.309	60.017	60.876	60.713	61.730	65.553	64.454	60.923	60.621	62.447	62.187	64.190	63.926	64.214	62.958	61.729	61.007
390	35.423	33.374	33.717	35.771	40.122	37.624	61.806	62.421	60.124	60.981	60.766	61.837	65.614	64.525	61.007	60.717	62.514	62.263	64.278	64.014	64.292	63.037	61.800	61.106
391	35.485	33.456	33.832	35.849	40.175	37.701	61.800	62.532	60.231	61.085	60.882	61.945	65.676	64.595	61.106	60.813	62.596	62.339	64.367	64.102	64.371	63.115	61.902	61.205
392	35.547	33.538	33.916	35.926	40.258	37.778	61.794	62.643	60.338	61.190	60.997	62.052	65.707	64.666	61.190	60.909	62.648	62.416	64.455	64.190	64.449	63.194	61.986	61.304
393	35.608	33.620	34.000	36.003	40.310	37.856	61.911	62.754	60.444	61.294	61.174	62.158	65.768	64.736	61.274	61.004	62.714	62.492	64.543	64.278	64.528	63.272	62.084	61.403
394	35.764	33.702	34.083	36.081	40.408	37.933	62.028	62.865	60.550	61.398	61.227	62.265	65.845	64.806	61.373	61.100	62.797	62.569	64.631	64.367	64.606	63.351	62.198	61.502
395	35.888	33.785	34.151	36.158	40.507	38.010	62.145	62.975	60.656	61.502	61.219	62.370	65.907	64.877	61.457	61.196	62.879	62.645	64.719	64.455	64.684	63.429	62.311	61.601
396	35.950	33.867	34.203	36.236	40.544	38.088	62.200	63.085	60.762	61.605	61.333	62.476	65.984	64.947	61.525	61.292	62.976	62.721	64.808	64.543	64.763	63.508	62.425	61.700
397	36.043	33.949	34.286	36.313	40.627	38.165	62.316	63.194	60.867	61.708	61.447	62.581	66.045	65.018	61.609	61.387	63.043	62.798	64.896	64.631	64.841	63.586	62.523	61.798
398	36.198	34.031	34.370	36.390	40.726	38.242	62.433	63.303	60.972	61.811	61.622	62.686	66.107	65.088	61.723	61.483	63.110	62.874	64.984	64.719	64.920	63.665	62.668	61.897
399	36.322	34.113	34.438	36.468	40.793	38.320	62.487	63.412	61.077	61.914	61.798	62.791	66.153	65.158	61.838	61.579	63.177	62.950	65.072	64.808	64.998	63.743	62.766	61.996
400	36.384	34.196	34.473	36.545	40.876	38.397	62.541	63.520	61.181	62.016	61.973	62.895	66.215	65.229	61.937	61.675	63.259	63.027	65.160	64.896	65.077	63.821	62.866	62.077
401	36.508	34.278	34.557	36.622	40.960	38.474	62.718	63.628	61.285	62.118	62.148	62.999	66.292	65.299	62.052	61.770	63.341	63.103	65.248	64.984	65.155	63.900	62.957	62.146
402	36.569	34.360	34.625	36.700	41.043	38.552	62.833	63.735	61.389	62.220	62.323	63.103	66.369	65.369	62.151	61.866	63.423	63.179	65.337	65.072	65.234	63.978	63.018	62.215
403	36.631	34.442	34.692	36.777	41.095	38.629	62.887	63.842	61.493	62.321	62.436	63.206	66.430	65.440	62.250	61.962	63.490	63.256	65.425	65.160	65.312	64.057	63.078	62.284
404	36.724	34.525	34.760	36.854	41.163	38.706	63.124	63.949	61.597	62.423	62.488	63.309	66.477	65.510	62.334	62.058	63.572	63.332	65.513	65.248	65.390	64.135	63.138	62.353
405	36.816	34.607	34.828	36.932	41.230	38.784	63.177	64.055	61.700	62.524	62.600	63.412	66.508	65.581	62.418	62.153	63.670	63.409	65.601	65.337	65.469	64.214	63.183	62.422
406	36.909	34.689	34.895	37.009	41.313	38.861	63.230	64.161	61.803	62.624	62.652	63.514	66.569	65.651	62.501	62.249	63.752	63.485	65.688	65.425	65.547	64.292	63.213	62.491
407	37.002	34.771	34.995	37.086	41.396	38.938	63.344	64.266	61.905	62.725	62.703	63.616	66.646	65.721	62.601	62.345	63.850	63.561	65.769	65.513	65.626	64.371	63.289	62.560
408	37.032	34.853	35.047	37.164	41.479	39.016	63.397	64.371	62.007	62.825	62.753	63.717	66.708	65.792	62.700	62.441	63.932	63.638	65.849	65.601	65.704	64.449	63.364	62.629
409	37.125	34.936	35.114	37.241	41.578	39.093	63.572	64.476	62.109	62.925	62.928	63.818	66.769	65.862	62.793	62.511	64.029	63.714	65.930	65.689	65.783	64.528	63.471	62.698
410	37.218	35.018	35.166	37.319	41.661	39.170	63.624	64.581	62.211	63.024	63.040	63.919	66.800	65.933	62.897	62.578	64.127	63.790	66.011	65.778	65.861	64.606	63.562	62.767
411	37.279	35.100	35.250	37.396	41.713	39.248	63.738	64.685	62.313	63.124	63.090	64.020	66.862	66.003	62.971	62.644	64.224	63.867	66.091	65.866	65.940	64.684	63.638	62.836
412	37.404	35.182	35.334	37.473	41.781	39.325	63.851	64.788	62.414	63.223	63.263	64.120	66.939	66.073	63.029	62.711	64.291	63.943	66.172	65.954	66.018	64.763	63.698	62.905

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
413	37.465	35.264	35.401	37.551	41.864	39.402	63.964	64.891	62.515	63.321	63.374	64.220	66.985	66.144	63.102	62.777	64.358	64.020	66.252	66.042	66.097	64.841	63.820	62.974
414	37.558	35.347	35.469	37.628	41.916	39.480	64.077	64.994	62.616	63.420	63.485	64.320	67.062	66.214	63.176	62.844	64.455	64.096	66.333	66.130	66.175	64.920	63.880	63.043
415	37.620	35.429	35.553	37.705	41.984	39.557	64.190	65.097	62.716	63.518	63.473	64.419	67.139	66.285	63.280	62.910	64.507	64.172	66.414	66.218	66.253	64.998	63.971	63.112
416	37.712	35.511	35.604	37.783	42.036	39.634	64.241	65.199	62.816	63.616	63.585	64.518	67.200	66.355	63.369	62.977	64.604	64.249	66.494	66.307	66.332	65.077	64.047	63.181
417	37.805	35.593	35.704	37.860	42.104	39.712	64.415	65.300	62.916	63.714	63.757	64.616	67.262	66.425	63.412	63.044	64.656	64.325	66.575	66.395	66.410	65.155	64.154	63.250
418	37.930	35.676	35.756	37.937	42.171	39.789	64.588	65.401	63.016	63.811	63.806	64.715	67.324	66.496	63.455	63.110	64.754	64.401	66.651	66.477	66.489	65.234	64.229	63.319
419	37.960	35.758	35.824	38.015	42.224	39.866	64.577	65.502	63.115	63.908	63.855	64.813	67.401	66.566	63.498	63.177	64.820	64.478	66.709	66.535	66.567	65.312	64.305	63.388
420	38.084	35.840	35.907	38.092	42.307	39.944	64.628	65.603	63.214	64.005	63.904	64.910	67.416	66.637	63.587	63.243	64.918	64.554	66.768	66.593	66.646	65.390	64.381	63.457
421	38.146	35.922	36.007	38.170	42.375	40.021	64.678	65.703	63.313	64.102	64.076	65.008	67.493	66.707	63.645	63.310	64.985	64.631	66.826	66.651	66.724	65.469	64.456	63.526
422	38.208	36.004	36.090	38.247	42.458	40.098	64.789	65.803	63.411	64.198	64.063	65.105	67.539	66.777	63.734	63.376	65.036	64.707	66.884	66.709	66.803	65.547	64.547	63.595
423	38.301	36.087	36.143	38.324	42.556	40.176	64.900	65.902	63.510	64.294	64.111	65.202	67.601	66.848	63.823	63.443	65.103	64.783	66.942	66.768	66.881	65.626	64.623	63.664
424	38.425	36.169	36.210	38.402	42.640	40.253	65.073	66.001	63.607	64.390	64.221	65.298	67.678	66.918	63.896	63.509	65.185	64.860	67.000	66.826	66.960	65.704	64.668	63.733
425	38.455	36.251	36.294	38.479	42.738	40.330	65.245	66.100	63.705	64.486	64.330	65.394	67.755	66.988	63.970	63.576	65.252	64.936	67.058	66.884	67.038	65.783	64.744	63.802
426	38.517	36.333	36.361	38.556	42.837	40.408	65.479	66.198	63.803	64.581	64.255	65.490	67.801	67.059	64.028	63.642	65.334	65.012	67.116	66.942	67.116	65.861	64.804	63.871
427	38.579	36.415	36.429	38.634	42.920	40.485	65.589	66.296	63.900	64.676	64.488	65.586	67.832	67.129	64.117	63.709	65.432	65.089	67.174	67.000	67.195	65.940	64.895	63.940
428	38.671	36.498	36.529	38.711	43.003	40.562	65.576	66.393	63.997	64.770	64.659	65.681	67.878	67.200	64.191	63.775	65.499	65.165	67.232	67.058	67.273	66.018	65.002	64.009
429	38.733	36.580	36.580	38.788	43.070	40.640	65.563	66.490	64.092	64.863	64.706	65.776	67.970	67.270	64.249	63.842	65.581	65.241	67.290	67.116	67.352	66.097	65.077	64.078
430	38.826	36.662	36.648	38.866	43.123	40.717	65.735	66.587	64.188	64.955	64.794	65.870	68.032	67.340	64.322	63.908	65.678	65.318	67.348	67.174	67.430	66.175	65.138	64.147
431	38.888	36.744	36.700	38.943	43.190	40.795	65.845	66.683	64.283	65.047	64.891	65.964	68.109	67.411	64.381	63.975	65.761	65.394	67.406	67.232	67.509	66.253	65.214	64.216
432	38.918	36.827	36.783	39.020	43.243	40.872	65.954	66.779	64.377	65.138	64.989	66.058	68.155	67.481	64.423	64.041	65.858	65.471	67.464	67.290	67.587	66.332	65.259	64.285
433	39.042	36.909	36.899	39.098	43.310	40.949	66.064	66.874	64.472	65.230	65.086	66.152	68.217	67.552	64.482	64.108	65.910	65.547	67.522	67.348	67.666	66.410	65.334	64.354
434	39.135	36.991	36.982	39.175	43.378	41.027	66.296	66.969	64.566	65.320	65.182	66.245	68.294	67.622	64.540	64.174	65.992	65.623	67.580	67.406	67.744	66.489	65.410	64.423
435	39.227	37.073	37.018	39.253	43.430	41.104	66.343	67.064	64.660	65.411	65.279	66.337	68.371	67.692	64.613	64.241	66.074	65.700	67.638	67.464	67.823	66.567	65.486	64.492
436	39.382	37.155	37.086	39.330	43.513	41.181	66.391	67.159	64.753	65.501	65.375	66.430	68.447	67.763	64.687	64.307	66.187	65.776	67.696	67.522	67.901	66.646	65.561	64.561
437	39.538	37.238	37.185	39.407	43.596	41.259	66.561	67.253	64.846	65.591	65.470	66.522	68.509	67.833	64.791	64.374	66.300	65.852	67.755	67.580	67.979	66.724	65.622	64.630
438	39.662	37.320	37.253	39.485	43.664	41.336	66.670	67.346	64.939	65.681	65.566	66.614	68.601	67.904	64.865	64.440	66.382	65.929	67.813	67.638	68.058	66.803	65.682	64.699
439	39.723	37.402	37.321	39.562	43.716	41.413	66.716	67.439	65.032	65.770	65.661	66.705	68.663	67.974	64.938	64.507	66.434	66.005	67.871	67.696	68.136	66.881	65.743	64.768
440	39.754	37.484	37.389	39.639	43.815	41.491	66.887	67.532	65.125	65.859	65.756	66.797	68.725	68.044	65.012	64.573	66.531	66.082	67.929	67.755	68.215	66.960	65.834	64.837
441	39.846	37.566	37.472	39.717	43.867	41.568	66.933	67.625	65.217	65.948	65.850	66.887	68.802	68.115	65.070	64.640	66.583	66.158	67.987	67.813	68.293	67.038	65.894	64.906
442	39.939	37.649	37.540	39.794	43.934	41.645	66.917	67.717	65.308	66.036	65.944	66.978	68.848	68.185	65.113	64.706	66.680	66.234	68.045	67.871	68.367	67.116	65.939	64.975
443	40.063	37.731	37.623	39.871	43.987	41.723	66.963	67.808	65.400	66.124	66.038	67.068	68.925	68.255	65.186	64.773	66.762	66.311	68.103	67.929	68.420	67.195	65.999	65.044
444	40.187	37.813	37.691	39.949	44.034	41.795	67.009	67.899	65.491	66.212	66.131	67.158	68.986	68.326	65.260	64.839	66.844	66.387	68.161	67.987	68.473	67.273	66.075	65.113

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
445	40.311	37.895	37.806	40.026	44.067	41.867	67.116	67.990	65.581	66.299	66.225	67.247	69.048	68.396	65.349	64.906	66.927	66.463	68.219	68.045	68.526	67.352	66.135	65.182
446	40.404	37.978	37.874	40.104	44.130	41.939	67.283	68.081	65.671	66.387	66.317	67.337	69.079	68.467	65.407	64.972	67.009	66.540	68.277	68.103	68.579	67.430	66.211	65.251
447	40.496	38.060	37.942	40.181	44.209	42.012	67.451	68.171	65.760	66.473	66.410	67.425	69.125	68.537	65.465	65.039	67.060	66.616	68.335	68.161	68.632	67.509	66.302	65.320
448	40.620	38.142	38.041	40.258	44.287	42.084	67.496	68.261	65.849	66.560	66.502	67.514	69.202	68.607	65.539	65.105	67.096	66.693	68.393	68.219	68.685	67.587	66.378	65.389
449	40.681	38.224	38.093	40.336	44.366	42.156	67.541	68.350	65.938	66.646	66.594	67.602	69.279	68.678	65.597	65.172	67.209	66.769	68.451	68.277	68.739	67.666	66.407	65.458
450	40.743	38.306	38.161	40.413	44.429	42.228	67.585	68.439	66.026	66.732	66.685	67.690	69.325	68.748	65.624	65.239	67.307	66.845	68.509	68.335	68.792	67.744	66.483	65.527
451	40.805	38.389	38.260	40.490	44.477	42.301	67.630	68.528	66.114	66.818	66.777	67.777	69.387	68.819	65.683	65.305	67.389	66.922	68.567	68.393	68.845	67.823	66.528	65.596
452	40.866	38.471	38.312	40.568	44.555	42.373	67.674	68.616	66.202	66.903	66.867	67.865	69.448	68.889	65.726	65.372	67.471	66.998	68.625	68.451	68.898	67.901	66.619	65.665
453	40.928	38.553	38.380	40.645	44.649	42.445	67.718	68.704	66.290	66.988	66.958	67.951	69.495	68.959	65.784	65.438	67.538	67.074	68.684	68.509	68.951	67.979	66.680	65.734
454	40.990	38.635	38.447	40.722	44.728	42.517	67.761	68.791	66.377	67.073	67.048	68.038	69.571	69.030	65.842	65.505	67.589	67.151	68.742	68.567	69.004	68.058	66.725	65.803
455	41.114	38.717	38.515	40.800	44.791	42.590	67.866	68.878	66.464	67.157	67.138	68.124	69.618	69.100	65.915	65.571	67.702	67.227	68.800	68.625	69.057	68.136	66.770	65.872
456	41.144	38.800	38.583	40.877	44.870	42.662	68.155	68.965	66.550	67.241	67.227	68.210	69.710	69.171	65.989	65.638	67.800	67.303	68.858	68.684	69.110	68.215	66.861	65.941
457	41.268	38.882	38.682	40.954	44.918	42.734	68.137	69.051	66.636	67.325	67.316	68.295	69.772	69.241	66.063	65.704	67.867	67.380	68.916	68.742	69.163	68.293	66.906	66.010
458	41.361	38.964	38.734	41.032	44.981	42.806	68.241	69.137	66.722	67.408	67.405	68.381	69.864	69.311	66.151	65.771	67.949	67.456	68.974	68.800	69.216	68.367	66.951	66.079
459	41.422	39.046	38.802	41.109	45.090	42.879	68.345	69.222	66.808	67.491	67.494	68.466	69.926	69.382	66.225	65.837	68.046	67.533	69.032	68.858	69.270	68.420	67.026	66.148
460	41.484	39.129	38.901	41.187	45.169	42.951	68.511	69.307	66.893	67.574	67.582	68.550	69.956	69.452	66.329	65.904	68.113	67.609	69.090	68.916	69.323	68.473	67.071	66.217
461	41.577	39.211	38.969	41.264	45.247	43.023	68.553	69.392	66.978	67.657	67.670	68.634	70.049	69.523	66.403	65.970	68.165	67.685	69.148	68.974	69.376	68.526	67.147	66.286
462	41.669	39.293	39.021	41.341	45.295	43.095	68.657	69.477	67.063	67.739	67.757	68.718	70.080	69.593	66.446	66.037	68.216	67.762	69.206	69.032	69.429	68.579	67.223	66.355
463	41.793	39.375	39.104	41.419	45.389	43.168	68.699	69.560	67.147	67.821	67.845	68.802	70.141	69.663	66.535	66.103	68.298	67.838	69.264	69.090	69.482	68.632	67.253	66.424
464	41.948	39.457	39.203	41.496	45.468	43.240	68.802	69.644	67.231	67.903	67.931	68.885	70.218	69.734	66.623	66.170	68.334	67.914	69.322	69.148	69.535	68.685	67.328	66.493
465	42.072	39.540	39.255	41.573	45.546	43.312	68.967	69.727	67.315	67.984	68.018	68.968	70.249	69.804	66.682	66.236	68.401	67.991	69.380	69.206	69.588	68.739	67.389	66.562
466	42.164	39.622	39.323	41.651	45.625	43.384	69.131	69.810	67.399	68.065	68.104	69.050	70.311	69.874	66.771	66.303	68.499	68.067	69.438	69.264	69.641	68.792	67.449	66.631
467	42.287	39.704	39.391	41.728	45.704	43.457	69.172	69.892	67.482	68.146	68.190	69.132	70.372	69.945	66.844	66.369	68.581	68.144	69.496	69.322	69.694	68.845	67.555	66.700
468	42.411	39.786	39.443	41.805	45.767	43.529	69.397	69.974	67.565	68.226	68.275	69.214	70.403	70.015	66.948	66.436	68.648	68.220	69.554	69.380	69.748	68.898	67.646	66.769
469	42.535	39.868	39.510	41.883	45.830	43.601	69.438	70.056	67.647	68.306	68.361	69.296	70.480	70.086	67.053	66.502	68.755	68.272	69.613	69.438	69.801	68.951	67.707	66.838
470	42.565	39.951	39.578	41.960	45.893	43.673	69.479	70.137	67.729	68.386	68.445	69.377	70.572	70.156	67.096	66.569	68.777	68.315	69.671	69.496	69.854	69.004	67.752	66.907
471	42.627	40.033	39.630	42.037	45.972	43.746	69.581	70.218	67.811	68.465	68.530	69.458	70.603	70.226	67.154	66.635	68.814	68.357	69.729	69.554	69.907	69.057	67.828	66.976
472	42.657	40.115	39.713	42.115	46.035	43.818	69.560	70.299	67.893	68.545	68.614	69.538	70.665	70.297	67.243	66.702	68.836	68.400	69.787	69.613	69.960	69.110	67.888	67.045
473	42.749	40.196	39.749	42.192	46.145	43.890	69.661	70.379	67.974	68.623	68.698	69.619	70.742	70.367	67.316	66.768	68.874	68.443	69.845	69.671	70.013	69.163	67.948	67.114
474	42.804	40.270	39.801	42.270	46.192	43.962	69.578	70.459	68.055	68.702	68.782	69.699	70.834	70.438	67.374	66.835	68.942	68.486	69.903	69.729	70.066	69.216	68.009	67.183
475	42.921	40.343	39.916	42.347	46.287	44.035	69.740	70.538	68.136	68.780	68.865	69.778	70.895	70.490	67.433	66.901	68.979	68.529	69.961	69.787	70.119	69.270	68.069	67.252
476	42.976	40.417	39.984	42.424	46.350	44.107	69.718	70.617	68.216	68.858	68.948	69.857	70.905	70.537	67.506	66.968	68.986	68.572	70.019	69.845	70.172	69.323	68.160	67.321

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
477	43.031	40.490	40.099	42.502	46.428	44.179	69.819	70.696	68.296	68.936	69.030	69.936	70.977	70.583	67.580	67.034	69.054	68.614	70.077	69.903	70.225	69.376	68.251	67.390
478	43.086	40.563	40.215	42.579	46.492	44.251	69.858	70.774	68.376	69.013	69.112	70.015	71.017	70.630	67.653	67.101	69.077	68.657	70.135	69.961	70.279	69.429	68.312	67.459
479	43.172	40.637	40.282	42.656	46.555	44.324	69.897	70.851	68.456	69.090	69.194	70.093	71.042	70.676	67.727	67.167	69.129	68.700	70.193	70.019	70.332	69.482	68.356	67.528
480	43.165	40.710	40.350	42.734	46.618	44.396	69.936	70.929	68.535	69.167	69.276	70.171	71.098	70.722	67.800	67.234	69.182	68.743	70.251	70.077	70.385	69.535	68.432	67.597
481	43.220	40.783	40.418	42.811	46.666	44.468	70.097	71.006	68.614	69.243	69.357	70.248	71.170	70.769	67.874	67.301	69.220	68.786	70.309	70.135	70.438	69.588	68.523	67.666
482	43.306	40.857	40.470	42.888	46.714	44.540	70.136	71.083	68.692	69.319	69.438	70.326	71.195	70.815	67.947	67.367	69.242	68.828	70.367	70.193	70.491	69.641	68.599	67.735
483	43.455	40.930	40.569	42.966	46.762	44.613	70.174	71.159	68.770	69.395	69.518	70.403	71.235	70.862	67.975	67.434	69.295	68.871	70.425	70.251	70.544	69.694	68.675	67.804
484	43.541	41.004	40.653	43.043	46.825	44.685	70.273	71.235	68.848	69.470	69.599	70.479	71.276	70.908	68.018	67.500	69.332	68.914	70.483	70.309	70.597	69.748	68.704	67.873
485	43.596	41.077	40.752	43.121	46.857	44.757	70.311	71.310	68.926	69.546	69.678	70.555	71.332	70.954	68.091	67.567	69.400	68.957	70.542	70.367	70.650	69.801	68.765	67.942
486	43.681	41.150	40.804	43.198	46.951	44.829	70.410	71.385	69.003	69.621	69.758	70.631	71.373	71.001	68.196	67.633	69.438	69.000	70.600	70.425	70.703	69.854	68.809	68.011
487	43.829	41.224	40.872	43.275	46.999	44.902	70.570	71.460	69.080	69.695	69.837	70.707	71.398	71.047	68.285	67.700	69.506	69.043	70.658	70.483	70.756	69.907	68.870	68.080
488	43.915	41.297	40.923	43.353	47.062	44.974	70.607	71.534	69.157	69.769	69.916	70.782	71.438	71.094	68.358	67.766	69.574	69.085	70.716	70.542	70.810	69.960	68.899	68.149
489	44.032	41.371	40.975	43.430	47.126	45.046	70.644	71.608	69.233	69.843	69.995	70.857	71.464	71.140	68.432	67.833	69.612	69.128	70.774	70.600	70.863	70.013	68.929	68.218
490	44.118	41.444	41.043	43.507	47.219	45.118	70.681	71.682	69.309	69.917	70.073	70.931	71.489	71.186	68.490	67.899	69.680	69.171	70.832	70.658	70.916	70.066	69.036	68.287
491	44.204	41.517	41.095	43.585	47.298	45.191	70.964	71.755	69.385	69.990	70.151	71.006	71.530	71.233	68.563	67.966	69.748	69.214	70.890	70.716	70.969	70.119	69.081	68.356
492	44.290	41.591	41.178	43.662	47.361	45.263	71.062	71.828	69.461	70.063	70.228	71.080	71.586	71.279	68.637	68.032	69.816	69.257	70.948	70.774	71.022	70.172	69.172	68.425
493	44.345	41.664	41.246	43.739	47.440	45.335	71.159	71.900	69.536	70.136	70.306	71.153	71.611	71.326	68.695	68.099	69.884	69.299	71.006	70.832	71.075	70.225	69.217	68.493
494	44.400	41.737	41.345	43.817	47.473	45.407	71.257	71.972	69.611	70.208	70.382	71.226	71.636	71.372	68.753	68.165	69.952	69.342	71.064	70.890	71.128	70.279	69.277	68.562
495	44.455	41.811	41.429	43.894	47.520	45.480	71.292	72.044	69.685	70.280	70.459	71.299	71.692	71.418	68.827	68.232	70.020	69.385	71.122	70.948	71.181	70.332	69.322	68.631
496	44.510	41.884	41.528	43.971	47.614	45.552	71.328	72.115	69.759	70.352	70.535	71.372	71.748	71.465	68.916	68.298	70.043	69.428	71.180	71.006	71.234	70.385	69.382	68.700
497	44.534	41.958	41.596	44.049	47.693	45.624	71.486	72.186	69.833	70.424	70.611	71.444	71.804	71.511	69.020	68.365	70.095	69.471	71.238	71.064	71.288	70.438	69.458	68.769
498	44.558	42.031	41.648	44.126	47.756	45.696	71.521	72.257	69.907	70.495	70.687	71.516	71.875	71.558	69.078	68.431	70.164	69.514	71.296	71.122	71.341	70.491	69.534	68.838
499	44.644	42.104	41.715	44.204	47.804	45.769	71.679	72.327	69.980	70.566	70.762	71.588	71.931	71.604	69.152	68.498	70.201	69.556	71.354	71.180	71.394	70.544	69.579	68.907
500	44.699	42.178	41.799	44.281	47.867	45.841	71.776	72.397	70.053	70.636	70.837	71.659	71.972	71.650	69.241	68.564	70.254	69.599	71.412	71.238	71.447	70.597	69.624	68.976
501	44.723	42.251	41.851	44.358	47.946	45.913	71.810	72.466	70.126	70.706	70.911	71.730	71.997	71.697	69.283	68.631	70.276	69.642	71.471	71.296	71.500	70.650	69.667	69.045
502	44.809	42.325	41.934	44.436	48.009	45.985	71.967	72.535	70.198	70.776	70.986	71.800	72.038	71.743	69.357	68.697	70.313	69.685	71.529	71.354	71.553	70.703	69.739	69.114
503	44.895	42.398	42.018	44.513	48.119	46.058	72.063	72.603	70.271	70.846	71.060	71.871	72.078	71.790	69.400	68.764	70.382	69.728	71.587	71.412	71.606	70.756	69.811	69.183
504	44.919	42.471	42.102	44.590	48.182	46.130	72.036	72.672	70.342	70.915	71.133	71.941	72.150	71.836	69.489	68.830	70.419	69.771	71.645	71.471	71.659	70.810	69.898	69.252
505	44.943	42.545	42.179	44.660	48.245	46.202	72.132	72.739	70.414	70.984	71.206	72.010	72.190	71.883	69.578	68.897	70.457	69.813	71.703	71.529	71.712	70.863	69.986	69.321
506	45.029	42.618	42.238	44.728	48.293	46.274	72.104	72.807	70.485	71.053	71.279	72.080	72.261	71.929	69.682	68.963	70.509	69.856	71.761	71.587	71.765	70.916	70.058	69.390
507	45.084	42.692	42.298	44.797	48.356	46.347	72.260	72.874	70.556	71.121	71.352	72.148	72.302	71.975	69.771	69.030	70.532	69.899	71.819	71.645	71.819	70.969	70.114	69.459
508	45.201	42.765	42.390	44.865	48.419	46.419	72.416	72.941	70.626	71.190	71.424	72.217	72.343	72.022	69.844	69.096	70.584	69.942	71.877	71.703	71.872	71.022	70.140	69.528

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
509	45.256	42.838	42.465	44.934	48.483	46.491	72.265	73.007	70.697	71.257	71.496	72.285	72.399	72.068	69.903	69.163	70.576	69.985	71.935	71.761	71.925	71.075	70.173	69.585
510	45.311	42.912	42.525	45.002	48.546	46.563	72.420	73.073	70.767	71.325	71.568	72.353	72.454	72.115	69.991	69.229	70.613	70.027	71.993	71.819	71.978	71.128	70.222	69.624
511	45.459	42.985	42.585	45.070	48.671	46.636	72.514	73.138	70.836	71.392	71.639	72.421	72.480	72.161	70.050	69.296	70.635	70.070	72.051	71.877	72.031	71.181	70.287	69.663
512	45.483	43.058	42.645	45.139	48.734	46.708	72.547	73.203	70.906	71.459	71.710	72.488	72.551	72.207	70.108	69.362	70.657	70.113	72.109	71.935	72.084	71.234	70.351	69.702
513	45.600	43.132	42.705	45.207	48.782	46.780	72.579	73.268	70.975	71.525	71.748	72.555	72.622	72.254	70.181	69.429	70.680	70.156	72.167	71.993	72.137	71.288	70.339	69.741
514	45.624	43.205	42.764	45.276	48.876	46.852	72.673	73.332	71.043	71.592	71.787	72.622	72.678	72.300	70.255	69.496	70.717	70.199	72.225	72.051	72.190	71.341	70.373	69.780
515	45.710	43.279	42.840	45.344	48.954	46.925	72.827	73.396	71.112	71.658	71.825	72.688	72.734	72.347	70.298	69.562	70.770	70.242	72.283	72.109	72.243	71.394	70.408	69.819
516	45.734	43.352	42.900	45.412	49.033	46.997	72.920	73.460	71.180	71.723	71.863	72.754	72.759	72.393	70.341	69.629	70.807	70.284	72.341	72.167	72.297	71.447	70.457	69.858
517	45.851	43.425	42.991	45.481	49.081	47.069	72.891	73.523	71.248	71.789	71.901	72.820	72.800	72.439	70.429	69.695	70.860	70.327	72.399	72.225	72.350	71.500	70.460	69.897
518	45.937	43.499	43.051	45.549	49.159	47.141	72.922	73.586	71.315	71.854	71.933	72.885	72.856	72.486	70.503	69.762	70.913	70.370	72.458	72.283	72.403	71.553	70.448	69.936
519	46.023	43.572	43.142	45.618	49.238	47.214	73.015	73.648	71.382	71.918	71.966	72.950	72.881	72.532	70.592	69.828	70.950	70.413	72.516	72.341	72.456	71.606	70.498	69.974
520	46.078	43.646	43.202	45.686	49.317	47.286	73.169	73.710	71.449	71.983	71.998	73.014	72.952	72.579	70.659	69.887	70.973	70.456	72.574	72.399	72.509	71.659	70.532	70.013
521	46.164	43.719	43.262	45.754	49.380	47.358	73.199	73.772	71.516	72.047	72.042	73.079	72.993	72.625	70.722	69.925	71.010	70.498	72.625	72.458	72.562	71.712	70.551	70.052
522	46.281	43.792	43.338	45.823	49.458	47.430	73.169	73.833	71.582	72.111	72.111	73.143	73.064	72.671	70.740	69.962	71.078	70.541	72.677	72.516	72.615	71.765	70.569	70.091
523	46.366	43.866	43.382	45.891	49.506	47.503	73.199	73.894	71.648	72.174	72.180	73.206	73.136	72.718	70.758	70.000	71.146	70.584	72.728	72.574	72.668	71.819	70.603	70.130
524	46.452	43.939	43.457	45.960	49.585	47.575	73.168	73.955	71.713	72.237	72.248	73.270	73.146	72.764	70.806	70.038	71.168	70.627	72.779	72.632	72.721	71.872	70.637	70.169
525	46.538	44.012	43.502	46.028	49.633	47.647	73.137	74.015	71.779	72.300	72.301	73.333	73.186	72.811	70.824	70.076	71.221	70.670	72.831	72.690	72.774	71.925	70.687	70.208
526	46.593	44.086	43.577	46.096	49.711	47.719	73.167	74.074	71.844	72.363	72.339	73.395	73.227	72.857	70.887	70.113	71.274	70.713	72.882	72.748	72.828	71.978	70.736	70.247
527	46.679	44.159	43.637	46.165	49.774	47.792	73.135	74.134	71.908	72.425	72.386	73.457	73.267	72.903	70.920	70.151	71.327	70.755	72.934	72.806	72.881	72.031	70.770	70.286
528	46.735	44.233	43.681	46.233	49.868	47.864	73.288	74.193	71.973	72.487	72.418	73.519	73.323	72.950	70.953	70.189	71.364	70.798	72.985	72.864	72.934	72.084	70.804	70.325
529	46.851	44.306	43.725	46.301	49.947	47.936	73.382	74.259	72.037	72.549	72.477	73.581	73.364	72.996	70.986	70.227	71.417	70.841	73.036	72.922	72.987	72.137	70.823	70.364
530	46.938	44.379	43.785	46.370	50.010	48.008	73.353	74.324	72.101	72.610	72.507	73.642	73.404	73.043	71.020	70.264	71.439	70.884	73.088	72.980	73.040	72.190	70.888	70.403
531	46.993	44.453	43.877	46.438	50.089	48.081	73.386	74.390	72.164	72.671	72.574	73.703	73.445	73.089	71.083	70.302	71.507	70.927	73.139	73.038	73.093	72.243	70.906	70.442
532	47.079	44.526	43.936	46.507	50.167	48.153	73.480	74.454	72.227	72.732	72.604	73.764	73.501	73.136	71.147	70.340	71.545	70.970	73.190	73.096	73.146	72.297	70.925	70.480
533	47.164	44.600	43.996	46.575	50.230	48.225	73.635	74.519	72.290	72.792	72.670	73.824	73.557	73.182	71.211	70.378	71.613	71.012	73.222	73.128	73.199	72.350	70.929	70.519
534	47.219	44.673	44.103	46.643	50.262	48.297	73.667	74.583	72.353	72.852	72.700	73.884	73.598	73.228	71.290	70.415	71.666	71.055	73.254	73.160	73.252	72.403	70.978	70.558
535	47.274	44.746	44.211	46.712	50.326	48.370	73.760	74.648	72.415	72.912	72.766	73.944	73.638	73.275	71.338	70.453	71.688	71.098	73.285	73.191	73.305	72.456	71.012	70.597
536	47.299	44.820	44.286	46.780	50.389	48.442	73.854	74.711	72.477	72.971	72.795	74.003	73.694	73.321	71.387	70.491	71.725	71.141	73.316	73.222	73.359	72.509	71.046	70.636
537	47.354	44.893	44.346	46.849	50.467	48.514	73.947	74.775	72.539	73.031	72.861	74.062	73.750	73.368	71.389	70.529	71.778	71.184	73.348	73.254	73.412	72.562	71.111	70.675
538	47.378	44.966	44.438	46.917	50.531	48.586	74.039	74.838	72.600	73.089	72.890	74.121	73.791	73.414	71.437	70.566	71.815	71.226	73.379	73.285	73.465	72.615	71.175	70.714
539	47.433	45.040	44.514	46.985	50.625	48.659	74.132	74.901	72.661	73.148	72.955	74.179	73.831	73.460	71.501	70.604	71.884	71.269	73.410	73.316	73.518	72.668	71.225	70.753
540	47.550	45.113	44.621	47.054	50.688	48.731	74.164	74.964	72.722	73.206	73.019	74.237	73.872	73.507	71.565	70.642	71.921	71.312	73.442	73.348	73.571	72.721	71.259	70.792

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
541	47.574	45.187	44.681	47.122	50.767	48.803	74.195	75.026	72.782	73.264	73.083	74.295	73.897	73.553	71.613	70.680	71.974	71.355	73.473	73.379	73.624	72.774	71.293	70.831
542	47.660	45.260	44.725	47.191	50.830	48.875	74.164	75.088	72.842	73.322	73.146	74.352	73.953	73.600	71.646	70.718	72.027	71.398	73.504	73.410	73.677	72.828	71.342	70.870
543	47.746	45.333	44.785	47.259	50.909	48.948	74.256	75.150	72.902	73.379	73.210	74.409	73.978	73.646	71.679	70.755	72.064	71.441	73.536	73.442	73.730	72.881	71.407	70.909
544	47.801	45.407	44.845	47.327	51.003	49.020	74.409	75.211	72.962	73.436	73.273	74.466	74.004	73.692	71.728	70.793	72.117	71.483	73.567	73.473	73.783	72.934	71.441	70.948
545	47.856	45.480	44.889	47.396	51.066	49.092	74.562	75.272	73.022	73.496	73.335	74.522	74.060	73.739	71.776	70.831	72.185	71.526	73.590	73.504	73.837	72.987	71.491	70.986
546	47.942	45.554	44.964	47.464	51.123	49.158	74.531	75.333	73.083	73.557	73.398	74.578	74.116	73.785	71.824	70.869	72.223	71.569	73.583	73.536	73.890	73.040	71.525	71.025
547	47.966	45.627	45.024	47.533	51.171	49.213	74.562	75.394	73.144	73.617	73.460	74.634	74.187	73.832	71.842	70.906	72.260	71.612	73.546	73.567	73.943	73.093	71.559	71.064
548	47.990	45.700	45.068	47.601	51.204	49.268	74.653	75.454	73.204	73.677	73.521	74.689	74.212	73.878	71.906	70.944	72.343	71.655	73.600	73.598	73.975	73.146	71.593	71.103
549	48.014	45.774	45.160	47.669	51.236	49.322	74.806	75.514	73.265	73.737	73.583	74.744	74.253	73.924	71.969	70.982	72.381	71.697	73.623	73.630	74.004	73.199	71.642	71.142
550	48.131	45.847	45.220	47.738	51.315	49.377	74.958	75.574	73.325	73.797	73.644	74.799	74.324	73.971	71.956	71.020	72.403	71.740	73.647	73.661	74.033	73.252	71.676	71.181
551	48.186	45.921	45.264	47.806	51.409	49.432	74.927	75.633	73.384	73.857	73.704	74.853	74.364	74.017	72.020	71.057	72.456	71.783	73.731	73.692	74.062	73.305	71.710	71.220
552	48.272	45.994	45.339	47.874	51.457	49.487	75.017	75.693	73.444	73.916	73.764	74.907	74.390	74.064	72.068	71.095	72.493	71.826	73.763	73.724	74.091	73.359	71.744	71.259
553	48.420	46.067	45.415	47.943	51.490	49.541	75.108	75.751	73.503	73.975	73.824	74.961	74.446	74.110	72.117	71.133	72.531	71.869	73.794	73.755	74.120	73.412	71.778	71.298
554	48.475	46.141	45.475	48.011	51.522	49.596	75.138	75.810	73.562	74.034	73.884	75.014	74.471	74.156	72.196	71.171	72.599	71.912	73.825	73.786	74.149	73.465	71.828	71.337
555	48.530	46.214	45.535	48.080	51.570	49.651	75.106	75.868	73.620	74.092	73.943	75.067	74.542	74.203	72.244	71.208	72.621	71.954	73.856	73.818	74.177	73.518	71.862	71.376
556	48.677	46.287	45.610	48.148	51.603	49.706	74.951	75.926	73.678	74.151	74.002	75.120	74.568	74.249	72.293	71.246	72.674	71.997	73.910	73.849	74.206	73.571	71.881	71.415
557	48.701	46.361	45.654	48.216	51.651	49.760	75.102	75.984	73.737	74.209	74.061	75.172	74.654	74.296	72.326	71.284	72.711	72.040	73.964	73.880	74.235	73.624	71.945	71.454
558	48.787	46.434	45.746	48.285	51.699	49.815	75.069	76.041	73.794	74.267	74.119	75.224	74.664	74.342	72.328	71.322	72.749	72.083	73.988	73.912	74.264	73.677	72.010	71.492
559	48.842	46.508	45.806	48.353	51.731	49.870	75.221	76.099	73.852	74.324	74.177	75.276	74.705	74.388	72.361	71.359	72.786	72.126	74.011	73.943	74.293	73.730	72.044	71.531
560	48.928	46.581	45.881	48.422	51.779	49.925	75.310	76.155	73.909	74.382	74.235	75.327	74.791	74.435	72.379	71.397	72.854	72.169	74.066	73.974	74.322	73.783	72.078	71.570
561	49.014	46.654	45.957	48.490	51.812	49.979	75.461	76.212	73.967	74.439	74.292	75.378	74.832	74.481	72.427	71.435	72.907	72.211	74.150	74.006	74.350	73.837	72.112	71.609
562	49.100	46.728	46.033	48.558	51.859	50.034	75.551	76.268	74.026	74.496	74.349	75.429	74.888	74.528	72.460	71.473	72.945	72.254	74.174	74.037	74.379	73.890	72.146	71.648
563	49.124	46.801	46.108	48.627	51.907	50.089	75.701	76.324	74.085	74.553	74.406	75.479	74.944	74.574	72.478	71.511	72.982	72.297	74.228	74.068	74.408	73.943	72.211	71.687
564	49.179	46.875	46.152	48.695	51.940	50.144	75.790	76.380	74.143	74.609	74.462	75.529	75.000	74.621	72.496	71.548	73.035	72.340	74.252	74.100	74.437	73.975	72.276	71.726
565	49.265	46.948	46.228	48.764	51.988	50.198	75.879	76.435	74.201	74.665	74.518	75.579	75.071	74.667	72.529	71.586	73.088	72.383	74.275	74.131	74.466	74.004	72.310	71.765
566	49.320	47.021	46.304	48.832	52.020	50.253	75.907	76.490	74.259	74.721	74.574	75.629	75.096	74.713	72.577	71.624	73.140	72.425	74.299	74.162	74.495	74.033	72.344	71.804
567	49.406	47.095	46.363	48.900	52.053	50.308	75.934	76.545	74.317	74.777	74.629	75.678	75.122	74.760	72.610	71.662	73.193	72.468	74.353	74.194	74.523	74.062	72.363	71.843
568	49.461	47.168	46.439	48.969	52.147	50.363	75.777	76.600	74.374	74.833	74.686	75.730	75.178	74.806	72.612	71.699	73.261	72.511	74.376	74.225	74.552	74.091	72.381	71.882
569	49.485	47.241	46.499	49.037	52.195	50.417	75.805	76.654	74.431	74.888	74.744	75.785	75.218	74.853	72.676	71.737	73.283	72.554	74.400	74.256	74.581	74.120	72.446	71.921
570	49.571	47.315	46.559	49.106	52.243	50.472	75.770	76.708	74.488	74.943	74.802	75.840	75.244	74.899	72.755	71.775	73.306	72.597	74.423	74.288	74.610	74.149	72.495	71.960
571	49.657	47.388	46.634	49.174	52.306	50.527	75.797	76.762	74.545	74.998	74.860	75.895	75.299	74.945	72.788	71.813	73.343	72.640	74.447	74.319	74.639	74.177	72.545	71.998
572	49.774	47.462	46.663	49.242	52.400	50.582	75.824	76.815	74.602	75.052	74.917	75.949	75.355	74.992	72.837	71.850	73.442	72.682	74.501	74.350	74.668	74.206	72.579	72.037

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
573	49.829	47.535	46.786	49.311	52.448	50.636	75.789	76.868	74.658	75.107	74.974	76.004	75.396	75.038	72.870	71.888	73.495	72.725	74.525	74.382	74.697	74.235	72.613	72.076
574	49.884	47.608	46.877	49.379	52.526	50.691	75.815	76.921	74.714	75.161	75.030	76.058	75.437	75.085	72.903	71.926	73.532	72.768	74.517	74.413	74.725	74.264	72.647	72.115
575	49.908	47.682	46.921	49.448	52.590	50.746	75.842	76.974	74.770	75.215	75.087	76.111	75.462	75.131	72.966	71.964	73.570	72.811	74.602	74.444	74.754	74.293	72.681	72.154
576	49.963	47.755	46.981	49.516	52.653	50.801	75.929	77.026	74.825	75.268	75.143	76.165	75.564	75.177	72.984	72.001	73.638	72.854	74.687	74.476	74.783	74.322	72.715	72.193
577	50.049	47.829	47.025	49.584	52.701	50.855	76.078	77.078	74.880	75.322	75.199	76.218	75.620	75.224	73.002	72.039	73.675	72.896	74.711	74.507	74.812	74.350	72.749	72.232
578	50.104	47.902	47.053	49.653	52.779	50.910	76.103	77.129	74.935	75.375	75.254	76.271	75.660	75.270	73.035	72.077	73.713	72.939	74.734	74.538	74.841	74.379	72.783	72.271
579	50.159	47.975	47.113	49.721	52.812	50.965	76.190	77.181	74.990	75.428	75.309	76.324	75.701	75.317	73.053	72.115	73.766	72.982	74.758	74.570	74.870	74.408	72.863	72.310
580	50.245	48.049	47.205	49.789	52.875	51.020	76.339	77.232	75.045	75.481	75.364	76.376	75.742	75.363	73.101	72.152	73.834	73.025	74.781	74.601	74.898	74.437	72.913	72.349
581	50.332	48.122	47.296	49.858	52.938	51.074	76.425	77.283	75.099	75.533	75.419	76.428	75.767	75.409	73.149	72.190	73.871	73.068	74.866	74.632	74.927	74.466	72.962	72.388
582	50.387	48.195	47.372	49.926	52.986	51.129	76.573	77.333	75.153	75.585	75.473	76.480	75.823	75.456	73.198	72.228	73.909	73.111	74.951	74.664	74.956	74.495	73.027	72.427
583	50.411	48.269	47.432	49.995	53.049	51.184	76.660	77.383	75.207	75.637	75.527	76.532	75.863	75.502	73.246	72.266	73.931	73.153	74.974	74.695	74.985	74.523	73.061	72.466
584	50.497	48.342	47.523	50.063	53.097	51.239	76.746	77.433	75.261	75.689	75.581	76.584	75.900	75.544	73.294	72.304	73.983	73.196	74.998	74.726	75.014	74.552	73.141	72.504
585	50.552	48.416	47.583	50.131	53.176	51.293	76.771	77.483	75.314	75.741	75.634	76.635	75.890	75.568	73.343	72.341	74.006	73.239	74.991	74.758	75.043	74.581	73.175	72.543
586	50.576	48.489	47.674	50.200	53.224	51.348	76.795	77.532	75.367	75.792	75.688	76.686	75.895	75.591	73.361	72.379	74.043	73.282	74.984	74.789	75.071	74.610	73.271	72.582
587	50.601	48.562	47.750	50.268	53.287	51.403	76.759	77.581	75.420	75.843	75.740	76.737	75.916	75.615	73.424	72.417	74.065	73.325	75.068	74.820	75.100	74.639	73.305	72.621
588	50.656	48.636	47.841	50.337	53.335	51.458	76.906	77.630	75.473	75.894	75.793	76.787	75.922	75.639	73.442	72.455	74.103	73.368	75.123	74.852	75.129	74.668	73.385	72.660
589	50.711	48.709	47.933	50.405	53.352	51.512	76.930	77.678	75.526	75.944	75.845	76.837	75.958	75.662	73.460	72.492	74.140	73.410	75.177	74.883	75.158	74.697	73.419	72.699
590	50.796	48.783	48.009	50.473	53.385	51.567	76.954	77.727	75.578	75.995	75.897	76.887	75.994	75.686	73.493	72.530	74.193	73.453	75.200	74.914	75.187	74.725	73.438	72.738
591	50.851	48.856	48.084	50.542	53.448	51.622	76.917	77.774	75.630	76.045	75.949	76.937	75.999	75.710	73.510	72.568	74.230	73.496	75.224	74.946	75.216	74.754	73.487	72.777
592	50.937	48.929	48.159	50.610	53.496	51.677	76.940	77.822	75.682	76.095	76.001	76.987	76.004	75.733	73.543	72.606	74.253	73.539	75.247	74.977	75.245	74.783	73.475	72.816
593	51.023	49.003	48.251	50.679	53.544	51.731	77.025	77.869	75.733	76.144	76.052	77.036	76.040	75.757	73.576	72.643	74.275	73.582	75.271	75.008	75.273	74.812	73.555	72.855
594	51.109	49.076	48.311	50.747	53.607	51.786	77.049	77.916	75.784	76.194	76.103	77.085	76.092	75.781	73.625	72.681	74.282	73.624	75.294	75.040	75.302	74.841	73.589	72.894
595	51.195	49.150	48.386	50.815	53.670	51.841	77.072	77.963	75.835	76.243	76.153	77.134	76.082	75.804	73.673	72.719	74.304	73.667	75.318	75.071	75.331	74.870	73.623	72.933
596	51.281	49.223	48.462	50.884	53.718	51.896	77.095	78.010	75.886	76.292	76.203	77.183	76.087	75.828	73.706	72.757	74.357	73.710	75.341	75.102	75.360	74.898	73.657	72.972
597	51.396	49.294	48.522	50.952	53.766	51.950	76.934	78.056	75.937	76.341	76.254	77.231	76.077	75.852	73.724	72.794	74.394	73.753	75.457	75.134	75.389	74.927	73.691	73.010
598	51.473	49.356	48.613	51.021	53.829	52.005	77.019	78.102	75.987	76.389	76.303	77.279	76.113	75.875	73.742	72.832	74.447	73.796	75.511	75.165	75.418	74.956	73.710	73.049
599	51.489	49.417	48.673	51.089	53.924	52.060	76.980	78.147	76.037	76.437	76.353	77.327	76.119	75.899	73.775	72.870	74.484	73.839	75.565	75.196	75.446	74.985	73.759	73.088
600	51.535	49.479	48.749	51.157	53.971	52.115	77.064	78.193	76.087	76.485	76.402	77.375	76.185	75.923	73.808	72.908	74.522	73.881	75.650	75.228	75.475	75.014	73.809	73.127
601	51.612	49.540	48.840	51.226	54.019	52.169	77.087	78.238	76.137	76.533	76.451	77.422	76.221	75.946	73.856	72.945	74.590	73.924	75.673	75.259	75.504	75.043	73.858	73.166
602	51.720	49.602	48.916	51.294	54.083	52.224	76.987	78.282	76.186	76.581	76.499	77.469	76.242	75.970	73.889	72.983	74.627	73.967	75.789	75.290	75.533	75.071	73.892	73.205
603	51.797	49.663	48.992	51.362	54.131	52.279	77.009	78.327	76.235	76.628	76.548	77.516	76.263	75.994	73.938	73.021	74.665	74.010	75.813	75.322	75.562	75.100	73.942	73.244
604	51.905	49.725	49.051	51.431	54.194	52.334	76.970	78.371	76.284	76.675	76.596	77.563	76.284	76.018	73.955	73.059	74.718	74.053	75.959	75.353	75.591	75.129	73.991	73.283

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
605	52.012	49.786	49.127	51.499	54.257	52.388	77.053	78.415	76.333	76.722	76.643	77.609	76.304	76.041	74.004	73.096	74.755	74.095	75.983	75.384	75.619	75.158	74.010	73.322
606	52.027	49.848	49.203	51.568	54.305	52.443	77.198	78.458	76.382	76.768	76.693	77.655	76.294	76.065	74.037	73.134	74.762	74.138	76.098	75.416	75.648	75.187	74.074	73.361
607	52.135	49.910	49.262	51.636	54.384	52.498	77.219	78.501	76.430	76.815	76.743	77.701	76.315	76.089	74.054	73.172	74.799	74.181	76.122	75.447	75.677	75.216	74.124	73.400
608	52.181	49.971	49.307	51.704	54.462	52.553	77.302	78.544	76.478	76.861	76.794	77.747	76.336	76.112	74.087	73.210	74.837	74.224	76.114	75.478	75.706	75.245	74.158	73.439
609	52.196	50.033	49.366	51.773	54.525	52.607	77.446	78.587	76.526	76.907	76.844	77.792	76.372	76.136	74.120	73.248	74.874	74.267	76.169	75.510	75.735	75.273	74.192	73.478
610	52.273	50.094	49.442	51.841	54.573	52.662	77.406	78.630	76.573	76.953	76.893	77.838	76.408	76.160	74.138	73.285	74.912	74.310	76.100	75.541	75.764	75.302	74.226	73.516
611	52.258	50.156	49.502	51.910	54.575	52.717	77.488	78.672	76.620	76.998	76.943	77.882	76.459	76.183	74.202	73.323	74.964	74.352	76.216	75.572	75.793	75.331	74.260	73.555
612	52.397	50.217	49.562	51.978	54.608	52.772	77.632	78.714	76.668	77.043	76.992	77.927	76.465	76.207	74.250	73.361	75.048	74.395	76.239	75.604	75.821	75.360	74.279	73.594
613	52.443	50.279	49.637	52.046	54.656	52.826	77.714	78.755	76.714	77.088	77.041	77.972	76.485	76.231	74.283	73.399	75.147	74.438	76.263	75.635	75.850	75.389	74.313	73.633
614	52.551	50.340	49.713	52.115	54.704	52.881	77.735	78.796	76.761	77.133	77.090	78.016	76.475	76.254	74.286	73.436	75.200	74.481	76.286	75.666	75.879	75.418	74.332	73.672
615	52.597	50.402	49.788	52.183	54.736	52.936	77.694	78.837	76.807	77.177	77.139	78.060	76.496	76.278	74.334	73.474	75.268	74.524	76.310	75.698	75.908	75.446	74.335	73.711
616	52.643	50.463	49.880	52.252	54.799	52.991	77.775	78.878	76.853	77.222	77.187	78.104	76.563	76.302	74.413	73.512	75.290	74.567	76.302	75.729	75.937	75.475	74.384	73.750
617	52.628	50.525	49.924	52.320	54.863	53.045	77.796	78.918	76.899	77.266	77.235	78.147	76.599	76.325	74.415	73.550	75.327	74.609	76.357	75.760	75.966	75.504	74.434	73.789
618	52.674	50.587	50.000	52.388	54.895	53.100	77.877	78.958	76.945	77.309	77.283	78.190	76.604	76.349	74.448	73.587	75.334	74.652	76.411	75.792	75.994	75.533	74.514	73.828
619	52.782	50.648	50.044	52.457	54.943	53.155	77.897	78.998	76.990	77.353	77.331	78.233	76.625	76.373	74.481	73.625	75.372	74.695	76.465	75.823	76.023	75.562	74.533	73.867
620	52.828	50.710	50.120	52.525	55.006	53.210	77.916	79.038	77.036	77.396	77.378	78.276	76.630	76.396	74.530	73.663	75.440	74.738	76.489	75.854	76.052	75.591	74.597	73.906
621	52.874	50.771	50.163	52.593	55.070	53.264	77.997	79.077	77.081	77.439	77.425	78.319	76.636	76.420	74.578	73.701	75.508	74.781	76.543	75.886	76.081	75.619	74.631	73.945
622	52.889	50.833	50.205	52.641	55.118	53.319	78.017	79.116	77.125	77.482	77.472	78.361	76.626	76.444	74.627	73.738	75.561	74.823	76.597	75.917	76.110	75.648	74.665	73.984
623	52.935	50.894	50.263	52.689	55.196	53.374	78.159	79.155	77.170	77.525	77.519	78.403	76.662	76.467	74.690	73.776	75.598	74.866	76.590	75.948	76.139	75.677	74.699	74.022
624	52.982	50.956	50.274	52.737	55.229	53.429	78.239	79.193	77.214	77.567	77.565	78.445	76.713	76.491	74.708	73.814	75.666	74.909	76.674	75.980	76.167	75.706	74.749	74.061
625	53.059	51.017	50.332	52.786	55.292	53.483	78.381	79.231	77.258	77.609	77.611	78.486	76.749	76.515	74.787	73.852	75.704	74.952	76.729	76.011	76.196	75.735	74.798	74.100
626	53.166	51.079	50.390	52.834	55.325	53.538	78.461	79.269	77.302	77.651	77.657	78.528	76.785	76.538	74.805	73.889	75.741	74.995	76.752	76.042	76.225	75.764	74.832	74.139
627	53.243	51.140	50.448	52.882	55.373	53.593	78.480	79.306	77.345	77.693	77.703	78.569	76.821	76.562	74.853	73.927	75.779	75.038	76.776	76.074	76.254	75.793	74.866	74.178
628	53.289	51.202	50.537	52.930	55.374	53.648	78.498	79.343	77.389	77.734	77.749	78.610	76.842	76.586	74.917	73.965	75.847	75.080	76.799	76.105	76.283	75.821	74.870	74.217
629	53.305	51.263	50.627	52.978	55.453	53.702	78.517	79.380	77.432	77.775	77.794	78.650	76.848	76.609	74.980	74.003	75.869	75.123	76.823	76.136	76.312	75.850	74.934	74.256
630	53.382	51.325	50.685	53.027	55.532	53.757	78.658	79.417	77.475	77.816	77.839	78.690	76.853	76.633	75.044	74.041	75.922	75.166	76.815	76.168	76.341	75.879	74.938	74.295
631	53.459	51.387	50.727	53.075	55.564	53.812	78.676	79.453	77.517	77.857	77.883	78.731	76.889	76.657	75.062	74.078	75.944	75.209	76.839	76.199	76.369	75.908	75.003	74.334
632	53.536	51.448	50.785	53.123	55.627	53.867	78.633	79.489	77.560	77.898	77.928	78.770	76.925	76.680	75.110	74.116	75.997	75.252	76.832	76.230	76.398	75.937	75.021	74.373
633	53.551	51.510	50.842	53.171	55.691	53.921	78.589	79.525	77.602	77.938	77.972	78.810	76.946	76.704	75.159	74.154	76.034	75.294	76.794	76.262	76.427	75.966	75.086	74.412
634	53.628	51.571	50.869	53.219	55.785	53.976	78.546	79.561	77.644	77.978	78.016	78.849	76.951	76.728	75.192	74.192	76.087	75.337	76.848	76.293	76.456	75.994	75.135	74.451
635	53.674	51.633	50.895	53.268	55.879	54.031	78.502	79.596	77.685	78.018	78.060	78.889	76.956	76.751	75.255	74.229	76.140	75.380	76.902	76.324	76.485	76.023	75.169	74.490
636	53.782	51.694	50.953	53.316	55.942	54.086	78.642	79.631	77.727	78.057	78.103	78.927	76.947	76.775	75.304	74.267	76.177	75.423	77.018	76.356	76.514	76.052	75.219	74.528

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
637	53.828	51.756	51.027	53.364	55.975	54.140	78.598	79.665	77.768	78.096	78.147	78.966	76.937	76.799	75.398	74.305	76.215	75.466	77.011	76.387	76.542	76.081	75.237	74.567
638	53.874	51.817	51.085	53.412	56.023	54.195	78.492	79.700	77.809	78.135	78.190	79.004	76.942	76.822	75.431	74.343	76.252	75.509	77.096	76.418	76.571	76.110	75.256	74.606
639	53.951	51.879	51.127	53.461	56.071	54.250	78.509	79.734	77.850	78.174	78.232	79.043	76.978	76.846	75.449	74.380	76.290	75.551	77.119	76.450	76.600	76.139	75.275	74.645
640	53.997	51.940	51.169	53.509	56.103	54.305	78.588	79.767	77.890	78.213	78.275	79.081	76.999	76.870	75.482	74.418	76.327	75.594	77.143	76.481	76.629	76.167	75.324	74.684
641	54.043	52.002	51.227	53.557	56.167	54.359	78.727	79.801	77.930	78.251	78.317	79.118	77.019	76.893	75.515	74.456	76.365	75.637	77.166	76.512	76.658	76.196	75.358	74.723
642	54.120	52.064	51.301	53.605	56.215	54.414	78.806	79.834	77.970	78.289	78.359	79.156	77.040	76.917	75.594	74.494	76.387	75.680	77.220	76.544	76.687	76.225	75.392	74.762
643	54.166	52.125	51.359	53.653	56.278	54.469	78.883	79.867	78.010	78.327	78.401	79.193	77.061	76.941	75.627	74.531	76.424	75.723	77.274	76.575	76.715	76.254	75.411	74.801
644	54.212	52.187	51.417	53.702	56.310	54.524	78.777	79.899	78.050	78.365	78.443	79.230	77.097	76.964	75.645	74.569	76.462	75.766	77.298	76.606	76.744	76.283	75.430	74.840
645	54.320	52.248	51.459	53.750	56.374	54.578	78.732	79.932	78.089	78.402	78.484	79.267	77.087	76.988	75.678	74.607	76.499	75.808	77.321	76.638	76.773	76.312	75.495	74.879
646	54.397	52.310	51.485	53.798	56.422	54.633	78.748	79.964	78.128	78.440	78.525	79.303	77.108	77.012	75.726	74.645	76.537	75.851	77.284	76.669	76.802	76.341	75.544	74.918
647	54.535	52.371	51.558	53.846	56.485	54.688	78.825	79.995	78.167	78.477	78.566	79.339	77.128	77.035	75.790	74.682	76.589	75.894	77.368	76.700	76.831	76.369	75.547	74.957
648	54.581	52.433	51.632	53.894	56.548	54.743	78.902	80.027	78.205	78.513	78.606	79.375	77.164	77.059	75.792	74.720	76.612	75.937	77.330	76.732	76.860	76.398	75.581	74.995
649	54.689	52.494	51.674	53.943	56.611	54.797	78.856	80.058	78.244	78.550	78.647	79.411	77.170	77.083	75.810	74.758	76.637	75.965	77.415	76.763	76.889	76.427	75.646	75.034
650	54.735	52.556	51.732	53.991	56.644	54.852	78.749	80.089	78.282	78.586	78.687	79.446	77.190	77.106	75.874	74.796	76.672	75.989	77.408	76.794	76.917	76.456	75.665	75.073
651	54.812	52.617	51.806	54.039	56.676	54.907	78.826	80.119	78.320	78.622	78.727	79.482	77.196	77.130	75.937	74.834	76.693	76.012	77.493	76.826	76.946	76.485	75.683	75.112
652	54.889	52.679	51.848	54.087	56.709	54.962	78.902	80.150	78.357	78.658	78.766	79.517	77.217	77.154	76.001	74.871	76.713	76.035	77.547	76.857	76.975	76.514	75.718	75.151
653	54.905	52.741	51.921	54.135	56.757	55.016	79.040	80.180	78.395	78.693	78.806	79.551	77.268	77.177	76.034	74.909	76.749	76.059	77.570	76.888	77.004	76.542	75.752	75.190
654	54.982	52.802	51.979	54.184	56.835	55.071	79.055	80.209	78.432	78.729	78.845	79.586	77.289	77.201	76.052	74.947	76.754	76.082	77.625	76.920	77.033	76.571	75.786	75.229
655	55.028	52.864	52.006	54.232	56.899	55.126	79.315	80.239	78.469	78.764	78.884	79.620	77.294	77.225	76.085	74.985	76.759	76.105	77.617	76.951	77.062	76.600	75.850	75.268
656	55.013	52.925	52.048	54.280	56.947	55.181	79.575	80.268	78.506	78.799	78.922	79.654	77.345	77.248	76.087	75.022	76.779	76.129	77.610	76.982	77.090	76.629	75.869	75.307
657	55.089	52.987	52.106	54.328	57.010	55.235	79.590	80.297	78.542	78.833	78.961	79.688	77.320	77.272	76.136	75.060	76.815	76.152	77.603	77.014	77.119	76.658	75.918	75.346
658	55.166	53.048	52.132	54.377	57.058	55.290	79.726	80.325	78.579	78.868	78.999	79.722	77.387	77.296	76.169	75.098	76.820	76.175	77.657	77.045	77.148	76.687	75.906	75.385
659	55.212	53.110	52.206	54.425	57.106	55.345	79.618	80.354	78.615	78.902	79.037	79.755	77.423	77.319	76.232	75.136	76.825	76.199	77.681	77.076	77.177	76.715	75.941	75.424
660	55.259	53.171	52.248	54.473	57.154	55.400	79.632	80.381	78.650	78.936	79.074	79.788	77.444	77.343	76.296	75.173	76.846	76.222	77.704	77.108	77.206	76.744	76.021	75.463
661	55.305	53.233	52.321	54.521	57.248	55.454	79.584	80.409	78.686	78.969	79.112	79.821	77.464	77.367	76.344	75.211	76.882	76.245	77.697	77.139	77.235	76.773	76.070	75.501
662	55.351	53.294	52.395	54.569	57.296	55.509	79.537	80.437	78.721	79.003	79.149	79.853	77.485	77.390	76.393	75.249	76.917	76.269	77.690	77.170	77.263	76.802	76.104	75.540
663	55.428	53.356	52.453	54.618	57.328	55.564	79.550	80.464	78.756	79.036	79.186	79.886	77.521	77.414	76.441	75.287	76.953	76.292	77.775	77.202	77.292	76.831	76.153	75.579
664	55.505	53.417	52.495	54.666	57.391	55.619	79.564	80.490	78.791	79.069	79.223	79.918	77.511	77.438	76.490	75.324	76.989	76.316	77.829	77.233	77.321	76.860	76.172	75.618
665	55.489	53.479	52.553	54.714	57.439	55.673	79.516	80.517	78.826	79.102	79.259	79.950	77.547	77.462	76.538	75.362	77.025	76.339	77.791	77.264	77.350	76.889	76.222	75.657
666	55.536	53.541	52.595	54.762	57.518	55.728	79.529	80.543	78.860	79.134	79.295	79.981	77.583	77.485	76.571	75.400	77.030	76.362	77.815	77.296	77.379	76.917	76.271	75.696
667	55.551	53.602	52.637	54.810	57.581	55.783	79.664	80.569	78.894	79.166	79.331	80.013	77.619	77.509	76.573	75.438	77.065	76.386	77.899	77.327	77.408	76.946	76.320	75.735
668	55.566	53.664	52.679	54.859	57.598	55.838	79.923	80.595	78.928	79.198	79.367	80.044	77.655	77.533	76.622	75.475	77.071	76.409	77.892	77.358	77.437	76.975	76.354	75.774

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
669	55.705	53.725	52.737	54.907	57.662	55.892	79.997	80.620	78.962	79.230	79.403	80.075	77.661	77.556	76.655	75.513	77.091	76.432	77.885	77.390	77.465	77.004	76.373	75.813
670	55.812	53.787	52.827	54.955	57.725	55.947	80.132	80.645	78.995	79.262	79.438	80.105	77.666	77.580	76.672	75.551	77.142	76.456	77.908	77.421	77.494	77.033	76.407	75.852
671	55.858	53.848	52.869	55.003	57.758	56.002	80.267	80.670	79.028	79.293	79.473	80.136	77.702	77.604	76.706	75.589	77.178	76.479	77.932	77.452	77.523	77.062	76.441	75.891
672	55.905	53.910	52.942	55.052	57.790	56.057	80.340	80.694	79.061	79.324	79.508	80.166	77.707	77.627	76.723	75.627	77.152	76.502	77.955	77.484	77.552	77.090	76.475	75.930
673	56.043	53.971	52.985	55.100	57.838	56.111	80.414	80.719	79.094	79.355	79.542	80.196	77.713	77.651	76.772	75.664	77.157	76.526	78.040	77.515	77.581	77.119	76.525	75.969
674	56.150	54.033	53.042	55.148	57.855	56.166	80.487	80.743	79.127	79.386	79.576	80.225	77.688	77.675	76.835	75.702	77.193	76.549	78.033	77.546	77.610	77.148	76.574	76.007
675	56.197	54.094	53.100	55.196	57.872	56.221	80.499	80.766	79.159	79.416	79.610	80.255	77.708	77.698	76.853	75.740	77.229	76.572	78.087	77.578	77.638	77.177	76.623	76.046
676	56.304	54.156	53.158	55.244	57.920	56.276	80.511	80.790	79.191	79.446	79.644	80.284	77.714	77.722	76.901	75.778	77.234	76.596	78.019	77.609	77.667	77.206	76.642	76.085
677	56.350	54.218	53.232	55.293	57.999	56.330	80.522	80.813	79.223	79.476	79.678	80.313	77.719	77.746	76.950	75.815	77.254	76.619	78.042	77.640	77.696	77.235	76.676	76.124
678	56.427	54.279	53.305	55.341	58.047	56.385	80.534	80.836	79.254	79.506	79.711	80.342	77.724	77.769	76.967	75.853	77.305	76.642	78.158	77.672	77.725	77.263	76.726	76.163
679	56.504	54.341	53.379	55.389	58.156	56.440	80.427	80.867	79.286	79.535	79.744	80.370	77.745	77.793	77.016	75.891	77.310	76.666	78.212	77.703	77.754	77.292	76.744	76.202
680	56.581	54.402	53.437	55.437	58.220	56.495	80.442	80.899	79.317	79.564	79.777	80.398	77.766	77.817	77.049	75.929	77.331	76.689	78.235	77.734	77.783	77.321	76.748	76.241
681	56.689	54.464	53.479	55.485	58.252	56.549	80.397	80.930	79.348	79.593	79.810	80.426	77.802	77.840	77.097	75.966	77.351	76.712	78.289	77.766	77.811	77.350	76.781	76.280
682	56.735	54.525	53.521	55.534	58.346	56.604	80.351	80.961	79.378	79.622	79.842	80.454	77.838	77.864	77.145	76.004	77.387	76.736	78.282	77.797	77.840	77.379	76.813	76.319
683	56.812	54.587	53.563	55.582	58.409	56.659	80.366	80.992	79.409	79.651	79.874	80.481	77.843	77.888	77.179	76.042	77.438	76.759	78.337	77.828	77.869	77.408	76.829	76.358
684	56.858	54.648	53.590	55.630	58.488	56.714	80.443	81.023	79.439	79.679	79.906	80.509	77.849	77.911	77.196	76.080	77.458	76.782	78.391	77.860	77.898	77.437	76.846	76.397
685	56.935	54.710	53.663	55.678	58.521	56.768	80.458	81.053	79.469	79.707	79.937	80.536	77.869	77.935	77.245	76.117	77.494	76.806	78.445	77.891	77.927	77.465	76.878	76.436
686	57.012	54.771	53.737	55.726	58.584	56.823	80.412	81.083	79.498	79.735	79.969	80.562	77.905	77.959	77.293	76.155	77.530	76.829	78.468	77.922	77.956	77.494	76.864	76.475
687	57.089	54.833	53.779	55.775	58.632	56.878	80.427	81.114	79.528	79.762	80.000	80.589	77.941	77.982	77.311	76.193	77.566	76.852	78.461	77.954	77.985	77.523	76.896	76.513
688	57.165	54.895	53.837	55.823	58.680	56.933	80.381	81.144	79.557	79.790	80.031	80.615	77.962	78.006	77.390	76.231	77.586	76.876	78.485	77.985	78.013	77.552	76.912	76.552
689	57.212	54.956	53.910	55.871	58.789	56.987	80.457	81.174	79.586	79.817	80.061	80.641	77.983	78.030	77.469	76.268	77.622	76.899	78.508	78.016	78.042	77.581	76.969	76.584
690	57.258	55.018	53.952	55.919	58.837	57.042	80.534	81.203	79.615	79.844	80.092	80.667	78.004	78.053	77.548	76.306	77.642	76.922	78.532	78.048	78.071	77.610	77.003	76.606
691	57.273	55.079	54.010	55.968	58.900	57.097	80.610	81.233	79.643	79.870	80.122	80.693	78.055	78.077	77.596	76.344	77.663	76.946	78.586	78.079	78.100	77.638	77.007	76.627
692	57.319	55.141	54.052	56.016	58.963	57.152	80.624	81.262	79.671	79.897	80.152	80.718	78.076	78.101	77.644	76.382	77.729	76.969	78.640	78.110	78.129	77.667	77.056	76.649
693	57.427	55.202	54.110	56.064	58.996	57.206	80.578	81.291	79.699	79.923	80.182	80.743	78.081	78.124	77.708	76.419	77.750	76.992	78.694	78.142	78.158	77.696	77.075	76.670
694	57.473	55.264	54.152	56.112	59.059	57.261	80.531	81.321	79.727	79.949	80.211	80.768	78.086	78.148	77.741	76.457	77.801	77.016	78.687	78.173	78.186	77.725	77.109	76.691
695	57.519	55.325	54.194	56.160	59.107	57.316	80.607	81.349	79.757	79.979	80.240	80.792	78.153	78.172	77.759	76.495	77.836	77.039	78.710	78.204	78.215	77.754	77.143	76.713
696	57.596	55.387	54.252	56.209	59.155	57.371	80.682	81.378	79.787	80.010	80.269	80.817	78.189	78.195	77.777	76.533	77.857	77.062	78.765	78.236	78.244	77.783	77.162	76.734
697	57.673	55.448	54.325	56.257	59.203	57.425	80.819	81.407	79.818	80.042	80.298	80.841	78.225	78.219	77.810	76.571	77.893	77.086	78.757	78.267	78.273	77.811	77.181	76.756
698	57.719	55.510	54.414	56.305	59.251	57.480	80.956	81.435	79.848	80.074	80.326	80.865	78.215	78.243	77.858	76.608	77.882	77.109	78.720	78.298	78.302	77.840	77.199	76.777
699	57.796	55.571	54.472	56.353	59.299	57.535	81.032	81.463	79.878	80.105	80.354	80.888	78.221	78.266	77.906	76.646	77.918	77.132	78.743	78.330	78.331	77.869	77.249	76.799
700	57.903	55.633	54.545	56.401	59.347	57.590	81.107	81.491	79.908	80.136	80.382	80.912	78.211	78.290	77.920	76.679	77.938	77.156	78.767	78.361	78.359	77.898	77.252	76.820

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
701	58.042	55.695	54.572	56.450	59.410	57.644	81.182	81.519	79.937	80.167	80.410	80.935	78.216	78.314	77.969	76.700	77.959	77.179	78.760	78.392	78.388	77.927	77.271	76.842
702	58.118	55.756	54.630	56.498	59.488	57.699	81.257	81.547	79.966	80.198	80.438	80.957	78.252	78.337	77.987	76.721	77.995	77.202	78.752	78.424	78.417	77.956	77.259	76.863
703	58.195	55.818	54.672	56.546	59.536	57.754	81.393	81.574	79.996	80.229	80.465	80.980	78.258	78.361	78.021	76.742	78.015	77.226	78.776	78.455	78.446	77.985	77.293	76.884
704	58.241	55.879	54.745	56.594	59.600	57.809	81.468	81.602	80.024	80.259	80.492	81.003	78.294	78.385	78.070	76.763	78.020	77.249	78.707	78.486	78.475	78.013	77.297	76.906
705	58.288	55.941	54.787	56.643	59.647	57.863	81.482	81.629	80.053	80.290	80.519	81.025	78.314	78.408	78.088	76.784	78.056	77.272	78.731	78.518	78.504	78.042	77.331	76.927
706	58.395	56.002	54.845	56.691	59.711	57.918	81.618	81.656	80.082	80.320	80.545	81.047	78.350	78.432	78.107	76.805	78.107	77.296	78.724	78.549	78.533	78.071	77.350	76.949
707	58.411	56.064	54.903	56.739	59.728	57.973	81.570	81.683	80.110	80.350	80.571	81.068	78.371	78.456	78.156	76.826	78.143	77.319	78.809	78.580	78.561	78.100	77.384	76.970
708	58.426	56.125	54.977	56.787	59.761	58.028	81.522	81.709	80.138	80.380	80.597	81.090	78.392	78.479	78.174	76.847	78.163	77.343	78.863	78.612	78.590	78.129	77.387	76.992
709	58.534	56.187	55.003	56.835	59.808	58.082	81.597	81.736	80.166	80.410	80.623	81.111	78.397	78.503	78.177	76.868	78.245	77.366	78.856	78.643	78.619	78.158	77.421	77.013
710	58.611	56.248	55.045	56.884	59.872	58.137	81.549	81.762	80.194	80.440	80.649	81.132	78.403	78.527	78.195	76.889	78.265	77.389	78.941	78.674	78.648	78.186	77.455	77.034
711	58.657	56.310	55.119	56.932	59.950	58.192	81.562	81.788	80.224	80.469	80.674	81.152	78.408	78.550	78.183	76.910	78.301	77.413	78.964	78.706	78.677	78.215	77.459	77.056
712	58.734	56.372	55.192	56.980	60.029	58.247	81.452	81.814	80.255	80.499	80.699	81.173	78.444	78.574	78.217	76.931	78.291	77.436	79.018	78.737	78.706	78.244	77.462	77.077
713	58.780	56.433	55.234	57.028	60.123	58.301	81.465	81.840	80.285	80.528	80.724	81.193	78.449	78.598	78.250	76.952	78.296	77.459	79.061	78.754	78.734	78.273	77.496	77.099
714	58.826	56.495	55.308	57.076	60.171	58.356	81.539	81.866	80.315	80.557	80.748	81.213	78.485	78.621	78.284	76.973	78.301	77.483	79.074	78.771	78.763	78.302	77.515	77.120
715	58.934	56.556	55.365	57.125	60.265	58.411	81.613	81.891	80.345	80.586	80.773	81.233	78.491	78.645	78.303	76.994	78.306	77.506	79.086	78.787	78.792	78.331	77.534	77.142
716	59.011	56.618	55.408	57.173	60.343	58.466	81.626	81.917	80.375	80.615	80.797	81.252	78.511	78.669	78.290	77.015	78.327	77.529	79.099	78.804	78.821	78.359	77.552	77.163
717	59.057	56.679	55.465	57.221	60.406	58.520	81.761	81.942	80.405	80.643	80.821	81.271	78.532	78.692	78.324	77.036	78.347	77.553	79.173	78.820	78.850	78.388	77.571	77.184
718	59.134	56.741	55.539	57.269	60.454	58.575	81.712	81.967	80.435	80.672	80.847	81.295	78.584	78.716	78.342	77.057	78.383	77.576	79.154	78.837	78.879	78.417	77.575	77.206
719	59.149	56.802	55.597	57.317	60.502	58.630	81.786	81.992	80.464	80.700	80.874	81.322	78.604	78.740	78.361	77.077	78.419	77.599	79.167	78.854	78.907	78.446	77.593	77.227
720	59.288	56.864	55.655	57.366	60.566	58.685	81.798	82.016	80.494	80.728	80.901	81.348	78.640	78.763	78.364	77.098	78.424	77.623	79.118	78.870	78.936	78.475	77.597	77.249
721	59.364	56.924	55.713	57.414	60.629	58.739	81.811	82.041	80.523	80.756	80.928	81.375	78.676	78.787	78.351	77.119	78.444	77.646	79.161	78.887	78.965	78.504	77.631	77.270
722	59.437	56.981	55.786	57.462	60.677	58.794	81.884	82.065	80.552	80.784	80.955	81.401	78.712	78.811	78.339	77.140	78.449	77.669	79.143	78.903	78.994	78.533	77.680	77.292
723	59.480	57.038	55.859	57.510	60.725	58.849	81.835	82.089	80.581	80.812	80.981	81.427	78.702	78.834	78.342	77.161	78.454	77.693	79.186	78.920	79.023	78.561	77.684	77.313
724	59.523	57.095	55.933	57.559	60.772	58.904	81.847	82.113	80.610	80.839	81.008	81.453	78.692	78.858	78.376	77.182	78.490	77.716	79.198	78.937	79.052	78.590	77.718	77.334
725	59.596	57.152	55.975	57.607	60.805	58.958	81.859	82.137	80.638	80.867	81.034	81.479	78.698	78.882	78.394	77.203	78.510	77.739	79.242	78.953	79.081	78.619	77.721	77.356
726	59.608	57.209	56.033	57.655	60.853	59.013	81.809	82.161	80.667	80.894	81.060	81.504	78.734	78.906	78.412	77.224	78.546	77.763	79.223	78.970	79.109	78.648	77.740	77.377
727	59.620	57.266	56.091	57.703	60.901	59.068	81.944	82.184	80.695	80.921	81.085	81.530	78.770	78.929	78.446	77.245	78.551	77.786	79.266	78.986	79.138	78.677	77.759	77.399
728	59.693	57.322	56.133	57.751	60.995	59.123	82.017	82.208	80.723	80.948	81.111	81.555	78.775	78.953	78.449	77.266	78.572	77.809	79.309	79.003	79.156	78.706	77.793	77.420
729	59.797	57.379	56.191	57.800	61.012	59.177	82.089	82.231	80.751	80.975	81.136	81.580	78.827	78.977	78.452	77.287	78.607	77.833	79.291	79.020	79.171	78.734	77.796	77.442
730	59.870	57.436	56.217	57.848	61.060	59.232	81.978	82.254	80.779	81.001	81.162	81.605	78.863	79.000	78.470	77.308	78.643	77.856	79.273	79.036	79.187	78.763	77.861	77.463
731	59.943	57.492	56.275	57.896	61.108	59.287	81.989	82.277	80.807	81.028	81.187	81.630	78.853	79.024	78.489	77.329	78.679	77.879	79.316	79.053	79.202	78.792	77.864	77.485
732	59.985	57.548	56.333	57.944	61.140	59.342	82.123	82.299	80.834	81.054	81.211	81.655	78.858	79.048	78.492	77.350	78.669	77.903	79.328	79.069	79.217	78.821	77.914	77.506

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
733	60.027	57.605	56.390	57.992	61.173	59.396	82.196	82.322	80.862	81.080	81.236	81.680	78.864	79.071	78.510	77.371	78.674	77.926	79.341	79.086	79.233	78.850	77.917	77.527
734	60.131	57.661	56.448	58.041	61.252	59.451	82.268	82.344	80.889	81.107	81.260	81.704	78.884	79.095	78.498	77.392	78.679	77.949	79.353	79.103	79.248	78.879	77.936	77.549
735	60.173	57.717	56.521	58.089	61.284	59.506	82.341	82.366	80.916	81.132	81.285	81.729	78.936	79.119	78.501	77.413	78.715	77.973	79.366	79.119	79.263	78.907	77.955	77.570
736	60.154	57.773	56.579	58.137	61.317	59.561	82.290	82.388	80.943	81.158	81.309	81.753	78.956	79.142	78.504	77.434	78.720	77.996	79.348	79.136	79.279	78.936	77.958	77.592
737	60.257	57.829	56.652	58.185	61.365	59.615	82.424	82.410	80.970	81.184	81.333	81.777	78.977	79.166	78.476	77.455	78.725	78.019	79.360	79.152	79.294	78.965	77.977	77.613
738	60.391	57.885	56.694	58.234	61.428	59.670	82.557	82.432	80.997	81.209	81.356	81.801	79.013	79.190	78.479	77.476	78.776	78.043	79.342	79.169	79.310	78.994	78.011	77.635
739	60.494	57.941	56.736	58.282	61.491	59.725	82.568	82.453	81.023	81.234	81.380	81.825	79.034	79.213	78.497	77.497	78.796	78.066	79.385	79.185	79.325	79.023	78.045	77.656
740	60.536	57.997	56.794	58.330	61.554	59.780	82.640	82.474	81.049	81.260	81.403	81.849	79.054	79.237	78.531	77.518	78.832	78.089	79.459	79.202	79.340	79.052	78.064	77.677
741	60.639	58.053	56.852	58.378	61.602	59.834	82.589	82.495	81.076	81.285	81.426	81.872	79.106	79.261	78.549	77.539	78.883	78.113	79.441	79.219	79.356	79.081	78.129	77.699
742	60.712	58.108	56.910	58.426	61.666	59.889	82.600	82.516	81.102	81.309	81.449	81.896	79.111	79.284	78.553	77.560	78.904	78.136	79.484	79.235	79.371	79.109	78.163	77.720
743	60.723	58.164	56.967	58.475	61.683	59.944	82.610	82.537	81.128	81.334	81.472	81.919	79.132	79.308	78.586	77.581	78.939	78.159	79.465	79.252	79.386	79.138	78.181	77.742
744	60.795	58.219	57.010	58.523	61.761	59.999	82.805	82.558	81.153	81.359	81.494	81.942	79.153	79.332	78.589	77.601	78.929	78.183	79.478	79.268	79.402	79.156	78.216	77.763
745	60.806	58.275	57.083	58.571	61.809	60.053	82.815	82.578	81.179	81.383	81.517	81.965	79.204	79.355	78.608	77.622	78.950	78.206	79.490	79.285	79.417	79.171	78.204	77.785
746	60.817	58.330	57.172	58.619	61.888	60.108	82.825	82.599	81.204	81.407	81.539	81.988	79.225	79.379	78.611	77.643	78.985	78.229	79.533	79.302	79.433	79.187	78.222	77.806
747	60.828	58.386	57.215	58.667	61.951	60.163	82.835	82.619	81.230	81.431	81.561	82.011	79.215	79.403	78.629	77.664	79.006	78.253	79.515	79.318	79.448	79.202	78.241	77.827
748	60.900	58.441	57.257	58.716	61.968	60.218	82.784	82.639	81.255	81.455	81.582	82.033	79.220	79.426	78.663	77.685	79.011	78.276	79.620	79.335	79.463	79.217	78.245	77.849
749	60.941	58.496	57.314	58.764	62.001	60.272	82.794	82.658	81.280	81.479	81.604	82.056	79.256	79.450	78.712	77.706	79.016	78.299	79.602	79.351	79.479	79.233	78.248	77.870
750	60.983	58.551	57.372	58.812	62.049	60.327	82.865	82.678	81.305	81.503	81.625	82.078	79.277	79.474	78.745	77.727	79.036	78.323	79.675	79.368	79.494	79.248	78.282	77.892
751	61.055	58.606	57.414	58.860	62.126	60.381	82.997	82.697	81.329	81.526	81.647	82.100	79.328	79.497	78.702	77.748	79.057	78.346	79.657	79.385	79.510	79.263	78.301	77.913
752	61.065	58.661	57.472	58.908	62.206	60.419	83.007	82.717	81.354	81.549	81.668	82.122	79.364	79.521	78.690	77.769	79.093	78.370	79.670	79.401	79.525	79.279	78.335	77.935
753	61.137	58.716	57.514	58.957	62.240	60.458	82.955	82.736	81.378	81.572	81.688	82.144	79.385	79.545	78.708	77.790	79.113	78.393	79.682	79.418	79.540	79.294	78.369	77.956
754	61.178	58.771	57.556	59.005	62.289	60.497	83.087	82.755	81.402	81.595	81.709	82.166	79.421	79.568	78.742	77.811	79.118	78.416	79.664	79.434	79.556	79.310	78.388	77.978
755	61.281	58.826	57.630	59.053	62.339	60.536	82.973	82.774	81.426	81.618	81.729	82.187	79.442	79.592	78.745	77.832	79.169	78.440	79.676	79.451	79.571	79.325	78.407	77.999
756	61.383	58.880	57.688	59.101	62.388	60.575	82.798	82.792	81.450	81.641	81.752	82.209	79.447	79.616	78.779	77.853	79.190	78.463	79.719	79.468	79.586	79.340	78.425	78.020
757	61.424	58.935	57.714	59.150	62.422	60.614	82.746	82.811	81.474	81.664	81.763	82.230	79.453	79.639	78.812	77.874	79.210	78.486	79.763	79.484	79.602	79.356	78.444	78.042
758	61.434	58.989	57.787	59.198	62.456	60.653	82.633	82.829	81.498	81.686	81.780	82.251	79.458	79.663	78.861	77.895	79.246	78.510	79.775	79.501	79.617	79.371	78.524	78.063
759	61.475	59.044	57.814	59.246	62.505	60.691	82.703	82.847	81.521	81.708	81.803	82.272	79.479	79.687	78.895	77.916	79.281	78.533	79.879	79.517	79.633	79.386	78.512	78.085
760	61.577	59.098	57.872	59.294	62.524	60.730	82.712	82.865	81.544	81.730	81.826	82.293	79.499	79.710	78.898	77.937	79.302	78.556	79.922	79.534	79.648	79.402	78.531	78.106
761	61.587	59.153	57.914	59.342	62.543	60.769	82.782	82.883	81.568	81.752	81.848	82.314	79.520	79.734	78.916	77.958	79.322	78.580	79.935	79.551	79.663	79.417	78.550	78.128
762	61.628	59.207	57.956	59.391	62.638	60.808	82.791	82.900	81.591	81.774	81.871	82.335	79.571	79.758	78.950	77.979	79.358	78.603	79.978	79.567	79.679	79.433	78.599	78.149
763	61.669	59.261	57.983	59.439	62.672	60.847	82.800	82.918	81.613	81.796	81.893	82.355	79.592	79.781	78.968	78.000	79.348	78.626	79.929	79.584	79.694	79.448	78.618	78.170
764	61.679	59.315	58.056	59.487	62.691	60.886	82.747	82.935	81.636	81.817	81.915	82.375	79.659	79.805	78.987	78.021	79.353	78.650	79.942	79.600	79.710	79.463	78.652	78.192

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
765	61.780	59.369	58.083	59.535	62.755	60.925	82.694	82.952	81.659	81.839	81.937	82.396	79.649	79.829	78.990	78.042	79.358	78.673	79.954	79.617	79.725	79.479	78.655	78.213
766	61.852	59.423	58.156	59.583	62.759	60.963	82.642	82.969	81.681	81.860	81.959	82.416	79.654	79.852	79.023	78.063	79.378	78.696	79.936	79.633	79.740	79.494	78.674	78.235
767	61.892	59.477	58.199	59.632	62.793	61.002	82.650	82.986	81.703	81.881	81.981	82.436	79.690	79.876	79.057	78.084	79.399	78.720	79.918	79.650	79.756	79.510	78.693	78.256
768	61.963	59.531	58.287	59.680	62.857	61.041	82.597	83.002	81.725	81.902	82.002	82.455	79.696	79.900	79.106	78.105	79.419	78.743	79.961	79.667	79.771	79.525	78.727	78.278
769	61.942	59.585	58.345	59.728	62.891	61.080	82.666	83.019	81.747	81.922	82.024	82.475	79.747	79.923	79.078	78.125	79.440	78.766	79.973	79.683	79.786	79.540	78.761	78.299
770	61.983	59.638	58.387	59.776	62.941	61.119	82.674	83.035	81.769	81.943	82.045	82.495	79.798	79.947	79.127	78.146	79.460	78.790	80.016	79.700	79.802	79.556	78.780	78.320
771	62.053	59.692	58.414	59.825	62.975	61.158	82.560	83.051	81.791	81.963	82.066	82.514	79.789	79.971	79.176	78.167	79.481	78.813	80.059	79.716	79.817	79.571	78.783	78.342
772	62.124	59.746	58.456	59.873	63.024	61.197	82.568	83.067	81.812	81.984	82.087	82.533	79.809	79.994	79.179	78.188	79.532	78.836	80.072	79.733	79.833	79.586	78.787	78.363
773	62.072	59.799	58.514	59.921	63.043	61.235	82.637	83.082	81.834	82.004	82.108	82.552	79.845	80.018	79.182	78.209	79.567	78.860	80.084	79.750	79.848	79.602	78.806	78.385
774	62.082	59.852	58.540	59.969	63.123	61.274	82.706	83.098	81.855	82.024	82.129	82.571	79.912	80.042	79.201	78.230	79.572	78.883	80.097	79.766	79.863	79.617	78.794	78.406
775	62.122	59.906	58.613	60.017	63.172	61.313	82.652	83.113	81.876	82.044	82.149	82.590	79.933	80.065	79.188	78.251	79.593	78.906	80.109	79.783	79.879	79.633	78.828	78.428
776	62.131	59.959	58.686	60.066	63.237	61.352	82.599	83.129	81.897	82.063	82.170	82.609	79.923	80.089	79.207	78.272	79.613	78.930	80.244	79.799	79.894	79.648	78.846	78.449
777	62.201	60.012	58.729	60.114	63.240	61.391	82.606	83.144	81.918	82.083	82.190	82.627	79.944	80.113	79.225	78.293	79.649	78.953	80.196	79.816	79.910	79.663	78.881	78.471
778	62.272	60.065	58.771	60.162	63.274	61.430	82.614	83.159	81.938	82.102	82.210	82.646	79.980	80.136	79.259	78.314	79.654	78.976	80.208	79.833	79.925	79.679	78.915	78.492
779	62.373	60.118	58.797	60.210	63.293	61.469	82.683	83.173	81.959	82.121	82.230	82.664	80.000	80.160	79.277	78.335	79.659	79.000	80.220	79.849	79.940	79.694	78.918	78.513
780	62.413	60.171	58.840	60.258	63.311	61.508	82.629	83.188	81.979	82.140	82.250	82.682	80.021	80.184	79.295	78.356	79.664	79.023	80.294	79.866	79.956	79.710	78.967	78.535
781	62.422	60.224	58.897	60.307	63.330	61.546	82.575	83.202	81.999	82.159	82.269	82.700	80.011	80.207	79.283	78.377	79.700	79.046	80.307	79.882	79.971	79.725	78.940	78.556
782	62.461	60.277	58.970	60.355	63.364	61.585	82.704	83.217	82.019	82.178	82.289	82.718	80.016	80.231	79.301	78.398	79.736	79.070	80.350	79.899	79.986	79.740	78.959	78.578
783	62.532	60.330	59.028	60.403	63.367	61.624	82.588	83.231	82.039	82.197	82.308	82.736	80.083	80.255	79.335	78.419	79.726	79.093	80.331	79.916	80.002	79.756	79.008	78.599
784	62.571	60.383	59.086	60.451	63.386	61.663	82.595	83.244	82.058	82.215	82.327	82.753	80.117	80.276	79.369	78.440	79.731	79.116	80.344	79.932	80.017	79.771	79.027	78.621
785	62.641	60.435	59.144	60.499	63.435	61.702	82.541	83.258	82.078	82.234	82.347	82.771	80.158	80.288	79.356	78.461	79.767	79.140	80.356	79.949	80.033	79.786	79.046	78.642
786	62.650	60.488	59.186	60.548	63.454	61.741	82.609	83.272	82.097	82.252	82.365	82.788	80.169	80.300	79.390	78.482	79.772	79.163	80.399	79.965	80.048	79.802	79.095	78.663
787	62.689	60.540	59.228	60.596	63.503	61.780	82.677	83.285	82.117	82.270	82.384	82.805	80.179	80.312	79.408	78.503	79.807	79.186	80.443	79.982	80.063	79.817	79.145	78.685
788	62.698	60.593	59.270	60.644	63.537	61.818	82.745	83.298	82.136	82.288	82.403	82.822	80.189	80.324	79.411	78.524	79.858	79.210	80.455	79.998	80.079	79.833	79.148	78.706
789	62.768	60.645	59.297	60.692	63.556	61.857	82.751	83.311	82.155	82.305	82.421	82.839	80.215	80.335	79.430	78.545	79.879	79.233	80.437	80.015	80.094	79.848	79.167	78.728
790	62.838	60.697	59.370	60.741	63.605	61.896	82.880	83.324	82.173	82.323	82.440	82.856	80.241	80.347	79.418	78.566	79.869	79.256	80.419	80.032	80.110	79.863	79.170	78.749
791	62.908	60.749	59.412	60.789	63.639	61.935	82.948	83.337	82.192	82.340	82.458	82.872	80.220	80.359	79.451	78.587	79.889	79.280	80.431	80.048	80.125	79.879	79.220	78.771
792	62.947	60.802	59.454	60.837	63.704	61.974	83.016	83.349	82.210	82.357	82.476	82.889	80.246	80.371	79.454	78.608	79.864	79.303	80.382	80.065	80.140	79.894	79.223	78.792
793	62.955	60.854	59.481	60.885	63.769	62.013	83.022	83.362	82.229	82.375	82.494	82.905	80.272	80.383	79.488	78.629	79.884	79.326	80.425	80.081	80.156	79.910	79.242	78.813
794	62.994	60.906	59.508	60.933	63.803	62.052	83.089	83.374	82.247	82.391	82.512	82.921	80.282	80.395	79.522	78.649	79.889	79.350	80.438	80.098	80.171	79.925	79.261	78.835
795	63.064	60.957	59.581	60.982	63.837	62.090	83.095	83.386	82.265	82.408	82.529	82.937	80.277	80.407	79.555	78.670	79.879	79.373	80.481	80.115	80.186	79.940	79.279	78.856
796	63.164	61.009	59.607	61.030	63.886	62.129	83.162	83.398	82.283	82.425	82.547	82.953	80.272	80.418	79.574	78.691	79.915	79.397	80.524	80.131	80.202	79.956	79.313	78.878

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
797	63.172	61.061	59.649	61.078	63.935	62.168	83.168	83.410	82.300	82.441	82.564	82.969	80.283	80.430	79.607	78.712	79.935	79.420	80.506	80.148	80.217	79.971	79.317	78.899
798	63.242	61.113	59.676	61.126	63.969	62.207	83.113	83.421	82.318	82.458	82.581	82.984	80.293	80.442	79.626	78.733	79.971	79.443	80.579	80.164	80.233	79.986	79.351	78.921
799	63.280	61.164	59.734	61.174	63.988	62.246	83.180	83.432	82.335	82.474	82.598	83.000	80.350	80.454	79.629	78.754	79.976	79.467	80.500	80.181	80.248	80.002	79.354	78.942
800	63.350	61.216	59.761	61.223	64.037	62.285	83.063	83.444	82.353	82.490	82.615	83.015	80.375	80.466	79.662	78.775	80.012	79.490	80.512	80.198	80.263	80.017	79.388	78.963
801	63.358	61.267	59.819	61.271	64.071	62.324	83.007	83.455	82.370	82.506	82.632	83.031	80.432	80.478	79.665	78.796	80.032	79.513	80.586	80.214	80.279	80.033	79.407	78.985
802	63.335	61.319	59.861	61.319	64.090	62.362	83.074	83.465	82.387	82.522	82.649	83.046	80.427	80.490	79.730	78.817	80.037	79.537	80.598	80.231	80.294	80.048	79.426	79.006
803	63.373	61.370	59.934	61.367	64.124	62.401	83.018	83.476	82.403	82.537	82.665	83.060	80.468	80.502	79.733	78.838	80.027	79.560	80.611	80.247	80.310	80.063	79.429	79.028
804	63.442	61.421	59.960	61.416	64.143	62.440	83.084	83.487	82.420	82.553	82.681	83.075	80.478	80.513	79.736	78.859	80.032	79.583	80.685	80.264	80.325	80.079	79.433	79.049
805	63.419	61.473	60.018	61.464	64.161	62.479	83.151	83.497	82.437	82.568	82.698	83.090	80.504	80.525	79.754	78.880	80.037	79.607	80.758	80.281	80.340	80.094	79.421	79.071
806	63.427	61.524	60.045	61.512	64.195	62.518	83.033	83.507	82.453	82.583	82.714	83.104	80.514	80.537	79.757	78.901	80.042	79.630	80.740	80.297	80.356	80.110	79.424	79.092
807	63.465	61.575	60.103	61.560	64.245	62.557	83.099	83.517	82.469	82.598	82.729	83.119	80.525	80.549	79.775	78.922	80.032	79.653	80.752	80.314	80.371	80.125	79.428	79.114
808	63.565	61.626	60.145	61.608	64.279	62.596	83.043	83.527	82.485	82.613	82.745	83.133	80.566	80.561	79.794	78.943	80.052	79.677	80.734	80.330	80.386	80.140	79.477	79.135
809	63.634	61.677	60.218	61.657	64.343	62.634	83.048	83.537	82.501	82.627	82.761	83.147	80.591	80.573	79.827	78.964	80.042	79.700	80.808	80.347	80.402	80.156	79.465	79.156
810	63.611	61.728	60.276	61.705	64.377	62.673	83.175	83.546	82.517	82.642	82.776	83.161	80.617	80.585	79.846	78.985	80.063	79.723	80.790	80.364	80.417	80.171	79.469	79.178
811	63.710	61.778	60.303	61.753	64.396	62.712	83.118	83.556	82.532	82.656	82.792	83.175	80.643	80.596	79.895	79.006	80.068	79.747	80.802	80.380	80.433	80.186	79.488	79.199
812	63.687	61.829	60.345	61.801	64.445	62.751	83.246	83.565	82.548	82.671	82.807	83.188	80.638	80.608	79.898	79.027	80.119	79.770	80.815	80.397	80.448	80.202	79.506	79.221
813	63.725	61.880	60.418	61.849	64.449	62.790	83.311	83.574	82.563	82.685	82.822	83.202	80.663	80.620	79.931	79.048	80.154	79.793	80.827	80.413	80.463	80.217	79.525	79.242
814	63.793	61.930	60.475	61.898	64.483	62.829	83.316	83.583	82.578	82.698	82.837	83.215	80.658	80.632	79.980	79.069	80.190	79.817	80.870	80.430	80.479	80.233	79.559	79.264
815	63.801	61.981	60.518	61.946	64.517	62.868	83.320	83.591	82.593	82.712	82.851	83.229	80.684	80.644	79.983	79.090	80.195	79.840	80.852	80.446	80.494	80.248	79.609	79.285
816	63.869	62.031	60.560	61.994	64.535	62.907	83.324	83.600	82.608	82.726	82.866	83.242	80.649	80.656	80.032	79.111	80.231	79.863	80.895	80.463	80.510	80.263	79.612	79.306
817	63.999	62.082	60.602	62.042	64.554	62.945	83.206	83.608	82.623	82.739	82.880	83.255	80.674	80.668	80.097	79.132	80.282	79.887	80.877	80.480	80.525	80.279	79.646	79.328
818	64.037	62.132	60.644	62.090	64.604	62.984	83.271	83.616	82.637	82.753	82.895	83.268	80.669	80.680	80.130	79.153	80.287	79.910	80.920	80.496	80.540	80.294	79.665	79.349
819	64.074	62.182	60.686	62.139	64.668	63.023	83.337	83.624	82.651	82.766	82.909	83.280	80.695	80.691	80.164	79.173	80.292	79.933	80.932	80.513	80.556	80.310	79.714	79.371
820	64.051	62.232	60.760	62.187	64.687	63.062	83.463	83.632	82.666	82.779	82.923	83.293	80.705	80.703	80.182	79.194	80.313	79.957	80.945	80.529	80.571	80.325	79.733	79.392
821	64.088	62.282	60.833	62.235	64.721	63.101	83.467	83.640	82.680	82.792	82.937	83.305	80.731	80.715	80.231	79.215	80.333	79.980	80.927	80.546	80.586	80.340	79.782	79.414
822	64.187	62.332	60.875	62.283	64.770	63.140	83.410	83.647	82.694	82.804	82.950	83.317	80.757	80.727	80.280	79.236	80.354	80.003	80.908	80.563	80.602	80.356	79.755	79.435
823	64.255	62.382	60.902	62.332	64.804	63.179	83.352	83.654	82.707	82.817	82.964	83.330	80.782	80.739	80.299	79.257	80.389	80.027	80.860	80.579	80.617	80.371	79.804	79.456
824	64.354	62.432	60.944	62.380	64.853	63.217	83.355	83.662	82.721	82.829	82.977	83.342	80.839	80.751	80.302	79.278	80.379	80.050	80.841	80.596	80.633	80.386	79.823	79.478
825	64.391	62.482	61.017	62.428	64.887	63.256	83.359	83.669	82.734	82.841	82.990	83.353	80.849	80.763	80.305	79.299	80.400	80.073	80.823	80.612	80.648	80.402	79.842	79.499
826	64.459	62.532	61.075	62.476	64.952	63.295	83.362	83.675	82.748	82.854	83.004	83.365	80.829	80.774	80.338	79.320	80.374	80.097	80.897	80.629	80.663	80.417	79.861	79.521
827	64.588	62.581	61.117	62.524	65.001	63.334	83.366	83.682	82.761	82.866	83.017	83.377	80.839	80.786	80.311	79.341	80.394	80.120	80.848	80.646	80.679	80.433	79.864	79.542
828	64.656	62.631	61.144	62.573	65.035	63.373	83.308	83.689	82.774	82.877	83.029	83.388	80.880	80.798	80.329	79.362	80.415	80.143	80.830	80.662	80.694	80.448	79.898	79.564

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
829	64.663	62.680	61.186	62.621	65.100	63.412	83.314	83.702	82.787	82.889	83.042	83.399	80.875	80.810	80.347	79.383	80.428	80.159	80.843	80.679	80.709	80.463	79.948	79.585
830	64.700	62.730	61.259	62.669	65.119	63.451	83.505	83.714	82.799	82.900	83.055	83.411	80.886	80.822	80.366	79.404	80.424	80.171	80.855	80.695	80.725	80.479	79.966	79.607
831	64.767	62.779	61.302	62.717	65.168	63.489	83.450	83.727	82.812	82.912	83.067	83.422	80.927	80.834	80.384	79.425	80.420	80.184	80.867	80.712	80.740	80.494	80.016	79.628
832	64.835	62.828	61.297	62.765	65.202	63.528	83.395	83.740	82.824	82.923	83.079	83.433	80.968	80.846	80.387	79.446	80.446	80.197	80.911	80.729	80.756	80.510	80.050	79.649
833	64.903	62.878	61.339	62.814	65.251	63.567	83.340	83.752	82.837	82.934	83.091	83.443	80.994	80.857	80.421	79.467	80.457	80.209	80.984	80.745	80.771	80.525	80.084	79.671
834	64.909	62.927	61.381	62.862	65.270	63.606	83.346	83.765	82.849	82.945	83.103	83.454	80.989	80.869	80.454	79.488	80.468	80.222	80.966	80.762	80.786	80.540	80.087	79.692
835	65.007	62.976	61.423	62.910	65.335	63.645	83.353	83.777	82.861	82.956	83.115	83.464	80.999	80.881	80.457	79.509	80.479	80.234	81.009	80.778	80.802	80.556	80.121	79.714
836	65.075	63.025	61.481	62.958	65.384	63.684	83.359	83.790	82.872	82.966	83.127	83.475	81.025	80.893	80.476	79.530	80.490	80.247	81.022	80.795	80.817	80.571	80.140	79.735
837	65.111	63.074	61.477	63.007	65.433	63.723	83.365	83.802	82.884	82.977	83.138	83.485	81.035	80.905	80.494	79.551	80.501	80.259	81.095	80.811	80.833	80.586	80.159	79.757
838	65.117	63.123	61.534	63.055	65.483	63.761	83.494	83.814	82.896	82.987	83.150	83.495	81.061	80.917	80.528	79.572	80.481	80.272	81.108	80.828	80.848	80.602	80.147	79.778
839	65.062	63.171	61.608	63.103	65.501	63.800	83.500	83.826	82.907	82.997	83.161	83.505	81.056	80.929	80.516	79.593	80.492	80.285	81.181	80.845	80.863	80.617	80.151	79.799
840	65.129	63.220	61.650	63.151	65.520	63.839	83.506	83.839	82.918	83.007	83.172	83.515	81.082	80.941	80.534	79.614	80.488	80.297	81.102	80.861	80.879	80.633	80.169	79.821
841	65.135	63.269	61.707	63.199	65.585	63.878	83.512	83.850	82.929	83.017	83.183	83.524	81.077	80.952	80.583	79.635	80.499	80.310	81.176	80.878	80.894	80.648	80.157	79.842
842	65.110	63.317	61.750	63.248	65.619	63.917	83.702	83.862	82.940	83.026	83.194	83.534	81.102	80.964	80.617	79.656	80.510	80.322	81.188	80.894	80.909	80.663	80.176	79.864
843	65.238	63.366	61.792	63.296	65.668	63.956	83.585	83.874	82.951	83.036	83.204	83.543	81.128	80.976	80.666	79.677	80.506	80.335	81.201	80.911	80.925	80.679	80.210	79.885
844	65.244	63.414	61.834	63.344	65.687	63.995	83.468	83.886	82.961	83.045	83.215	83.552	81.154	80.988	80.699	79.697	80.517	80.347	81.213	80.928	80.940	80.694	80.244	79.907
845	65.342	63.463	61.876	63.392	65.721	64.033	83.535	83.898	82.974	83.058	83.225	83.561	81.149	81.000	80.733	79.718	80.528	80.360	81.195	80.944	80.956	80.709	80.278	79.928
846	65.439	63.511	61.949	63.440	65.755	64.072	83.602	83.909	82.987	83.073	83.235	83.570	81.159	81.012	80.767	79.739	80.539	80.373	81.238	80.961	80.971	80.725	80.266	79.949
847	65.475	63.559	61.991	63.489	65.743	64.111	83.547	83.921	83.000	83.087	83.245	83.579	81.185	81.024	80.785	79.760	80.534	80.385	81.312	80.977	80.986	80.740	80.316	79.971
848	65.511	63.607	62.033	63.537	65.808	64.150	83.553	83.932	83.012	83.102	83.255	83.588	81.180	81.035	80.788	79.781	80.591	80.398	81.324	80.994	81.002	80.756	80.365	79.992
849	65.547	63.655	62.076	63.585	65.872	64.189	83.558	83.943	83.025	83.116	83.265	83.596	81.190	81.047	80.776	79.802	80.618	80.410	81.398	81.011	81.017	80.771	80.369	80.014
850	65.645	63.703	62.118	63.633	65.922	64.228	83.625	83.955	83.038	83.130	83.275	83.605	81.170	81.059	80.794	79.823	80.629	80.423	81.441	81.027	81.033	80.786	80.403	80.035
851	65.650	63.751	62.175	63.681	65.956	64.267	83.508	83.966	83.050	83.144	83.284	83.613	81.196	81.071	80.858	79.844	80.624	80.435	81.484	81.044	81.048	80.802	80.437	80.057
852	65.717	63.799	62.202	63.730	65.974	64.305	83.452	83.977	83.062	83.159	83.294	83.621	81.191	81.083	80.907	79.865	80.635	80.448	81.466	81.060	81.063	80.817	80.440	80.078
853	65.752	63.847	62.229	63.778	66.008	64.344	83.458	83.988	83.075	83.173	83.303	83.629	81.186	81.095	80.926	79.886	80.662	80.461	81.509	81.077	81.079	80.833	80.444	80.099
854	65.788	63.895	62.255	63.826	66.042	64.383	83.525	83.999	83.087	83.187	83.312	83.637	81.181	81.107	80.929	79.907	80.703	80.473	81.521	81.094	81.094	80.848	80.478	80.121
855	65.824	63.942	62.276	63.868	66.076	64.422	83.408	84.010	83.099	83.200	83.321	83.644	81.191	81.119	80.947	79.928	80.684	80.486	81.534	81.110	81.109	80.863	80.497	80.142
856	65.890	63.990	62.304	63.900	66.110	64.461	83.474	84.020	83.111	83.214	83.329	83.652	81.202	81.130	80.981	79.949	80.679	80.498	81.485	81.127	81.125	80.879	80.515	80.164
857	65.987	64.037	62.364	63.932	66.160	64.500	83.541	84.031	83.122	83.228	83.338	83.659	81.228	81.142	80.984	79.970	80.706	80.511	81.467	81.143	81.140	80.894	80.534	80.185
858	66.084	64.085	62.407	63.964	66.224	64.539	83.669	84.042	83.134	83.241	83.347	83.667	81.238	81.154	81.002	79.991	80.747	80.523	81.479	81.160	81.156	80.909	80.537	80.207
859	66.150	64.132	62.420	63.996	66.243	64.578	83.674	84.052	83.145	83.255	83.355	83.674	81.248	81.166	81.005	80.012	80.743	80.536	81.430	81.177	81.171	80.925	80.572	80.228
860	66.155	64.180	62.448	64.029	66.292	64.616	83.618	84.062	83.157	83.268	83.363	83.681	81.243	81.178	81.023	80.033	80.754	80.549	81.443	81.193	81.186	80.940	80.590	80.250

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
861	66.221	64.227	62.476	64.061	66.342	64.655	83.623	84.073	83.170	83.282	83.373	83.688	81.254	81.190	81.042	80.054	80.765	80.561	81.486	81.210	81.202	80.956	80.639	80.271
862	66.287	64.274	62.504	64.093	66.330	64.694	83.751	84.083	83.184	83.295	83.384	83.694	81.249	81.202	81.060	80.075	80.745	80.574	81.529	81.226	81.217	80.971	80.611	80.292
863	66.323	64.321	62.579	64.125	66.379	64.733	83.756	84.093	83.198	83.308	83.394	83.701	81.259	81.213	81.048	80.096	80.787	80.586	81.572	81.243	81.233	80.986	80.598	80.314
864	66.389	64.368	62.607	64.158	66.428	64.772	83.822	84.103	83.212	83.321	83.404	83.707	81.239	81.225	81.066	80.117	80.813	80.599	81.523	81.259	81.248	81.002	80.600	80.335
865	66.424	64.415	62.666	64.190	66.447	64.811	83.950	84.113	83.225	83.334	83.415	83.713	81.249	81.237	81.084	80.138	80.824	80.611	81.597	81.276	81.263	81.017	80.648	80.357
866	66.428	64.462	62.710	64.222	66.512	64.850	84.016	84.123	83.239	83.347	83.425	83.720	81.290	81.249	81.057	80.159	80.835	80.624	81.671	81.293	81.279	81.033	80.666	80.378
867	66.494	64.509	62.738	64.254	66.576	64.888	83.898	84.133	83.252	83.360	83.435	83.726	81.301	81.261	81.075	80.180	80.831	80.637	81.652	81.309	81.294	81.048	80.699	80.400
868	66.621	64.555	62.735	64.286	66.595	64.927	83.965	84.143	83.266	83.373	83.447	83.735	81.311	81.273	81.078	80.201	80.842	80.649	81.695	81.326	81.309	81.063	80.747	80.421
869	66.687	64.602	62.763	64.319	66.629	64.966	83.969	84.153	83.279	83.386	83.459	83.746	81.321	81.285	81.142	80.221	80.822	80.662	81.739	81.342	81.325	81.079	80.761	80.439
870	66.752	64.649	62.791	64.351	66.663	65.005	83.913	84.162	83.293	83.399	83.472	83.757	81.332	81.297	81.145	80.242	80.818	80.674	81.720	81.359	81.340	81.094	80.787	80.450
871	66.818	64.695	62.866	64.383	66.728	65.044	83.979	84.172	83.306	83.411	83.484	83.768	81.373	81.308	81.133	80.263	80.829	80.687	81.702	81.376	81.356	81.109	80.812	80.462
872	66.853	64.742	62.894	64.415	66.746	65.083	83.923	84.181	83.319	83.424	83.497	83.779	81.399	81.320	81.167	80.284	80.840	80.699	81.745	81.392	81.371	81.125	80.853	80.474
873	66.949	64.788	62.923	64.447	66.811	65.122	83.866	84.191	83.332	83.436	83.509	83.790	81.378	81.332	81.200	80.305	80.836	80.712	81.758	81.409	81.386	81.140	80.848	80.485
874	66.953	64.834	62.966	64.480	66.845	65.160	83.809	84.200	83.345	83.448	83.521	83.801	81.373	81.344	81.219	80.326	80.862	80.725	81.770	81.425	81.402	81.156	80.858	80.497
875	67.049	64.881	62.979	64.512	66.910	65.199	83.875	84.209	83.358	83.461	83.533	83.812	81.384	81.356	81.252	80.347	80.873	80.737	81.783	81.442	81.417	81.171	80.838	80.509
876	67.114	64.927	62.976	64.544	66.928	65.238	83.941	84.218	83.371	83.473	83.546	83.823	81.409	81.368	81.271	80.368	80.884	80.750	81.764	81.459	81.433	81.186	80.848	80.520
877	67.149	64.973	62.989	64.576	66.993	65.277	83.884	84.228	83.383	83.485	83.558	83.833	81.435	81.380	81.289	80.389	80.895	80.762	81.807	81.475	81.448	81.202	80.858	80.532
878	67.183	65.019	63.033	64.608	66.996	65.316	83.889	84.236	83.396	83.497	83.570	83.844	81.461	81.391	81.277	80.410	80.906	80.775	81.820	81.492	81.463	81.217	80.853	80.544
879	67.156	65.065	63.076	64.641	67.015	65.355	83.955	84.245	83.409	83.509	83.581	83.855	81.487	81.403	81.310	80.431	80.932	80.787	81.894	81.508	81.479	81.233	80.879	80.555
880	67.191	65.111	63.089	64.673	67.080	65.394	83.959	84.254	83.421	83.521	83.593	83.865	81.466	81.415	81.311	80.449	80.959	80.800	81.814	81.525	81.494	81.248	80.889	80.567
881	67.194	65.156	63.133	64.705	67.144	65.432	83.963	84.263	83.434	83.533	83.605	83.875	81.477	81.427	81.352	80.461	80.954	80.813	81.765	81.542	81.509	81.263	80.945	80.579
882	67.259	65.202	63.145	64.737	67.178	65.471	83.906	84.272	83.446	83.544	83.617	83.886	81.502	81.439	81.347	80.473	80.950	80.825	81.747	81.558	81.525	81.279	80.971	80.590
883	67.263	65.248	63.189	64.769	67.228	65.510	83.911	84.280	83.458	83.556	83.628	83.896	81.497	81.451	81.357	80.484	80.961	80.838	81.821	81.575	81.540	81.294	80.981	80.602
884	67.328	65.293	63.217	64.802	67.262	65.549	83.854	84.289	83.470	83.567	83.640	83.906	81.493	81.463	81.382	80.496	80.957	80.850	81.833	81.591	81.556	81.309	81.022	80.614
885	67.362	65.339	63.230	64.834	67.296	65.588	83.919	84.297	83.482	83.579	83.651	83.916	81.488	81.474	81.423	80.507	80.968	80.863	81.876	81.608	81.571	81.325	81.047	80.625
886	67.426	65.384	63.289	64.866	67.345	65.627	83.862	84.305	83.494	83.590	83.663	83.926	81.513	81.486	81.418	80.519	80.979	80.875	81.950	81.625	81.586	81.340	81.027	80.637
887	67.491	65.430	63.333	64.898	67.379	65.666	83.805	84.314	83.506	83.602	83.674	83.936	81.539	81.498	81.428	80.530	80.990	80.888	81.963	81.641	81.602	81.356	81.037	80.649
888	67.556	65.475	63.361	64.931	67.429	65.704	83.809	84.322	83.518	83.613	83.685	83.946	81.580	81.510	81.438	80.542	80.970	80.901	82.006	81.658	81.617	81.371	81.078	80.660
889	67.559	65.520	63.420	64.963	67.463	65.743	83.874	84.330	83.530	83.624	83.696	83.956	81.575	81.522	81.463	80.553	80.981	80.913	82.049	81.674	81.633	81.386	81.073	80.672
890	67.624	65.566	63.433	64.995	67.512	65.782	83.817	84.338	83.542	83.635	83.707	83.966	81.570	81.534	81.473	80.565	81.023	80.926	82.123	81.691	81.648	81.402	81.083	80.684
891	67.657	65.611	63.476	65.027	67.546	65.821	83.637	84.346	83.553	83.646	83.718	83.976	81.611	81.546	81.483	80.576	81.018	80.938	82.104	81.707	81.663	81.417	81.078	80.695
892	67.722	65.656	63.505	65.059	67.549	65.860	83.702	84.354	83.565	83.657	83.729	83.985	81.637	81.558	81.509	80.588	81.045	80.951	82.117	81.724	81.679	81.433	81.088	80.707

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
893	67.725	65.701	63.548	65.092	67.568	65.899	83.768	84.362	83.576	83.668	83.740	83.995	81.647	81.569	81.488	80.599	81.056	80.963	82.062	81.733	81.694	81.448	81.083	80.719
894	67.759	65.746	63.623	65.124	67.587	65.938	83.833	84.369	83.588	83.679	83.751	84.005	81.642	81.581	81.483	80.611	81.051	80.976	82.069	81.742	81.709	81.463	81.063	80.730
895	67.761	65.790	63.636	65.156	67.621	65.976	83.836	84.377	83.599	83.689	83.761	84.014	81.653	81.593	81.524	80.622	81.093	80.989	82.075	81.750	81.725	81.479	81.088	80.742
896	67.764	65.835	63.680	65.188	67.655	66.015	83.840	84.384	83.610	83.700	83.772	84.023	81.663	81.605	81.549	80.634	81.104	81.001	82.051	81.759	81.740	81.494	81.083	80.754
897	67.859	65.880	63.723	65.220	67.673	66.054	83.844	84.392	83.621	83.710	83.783	84.033	81.689	81.617	81.559	80.645	81.115	81.014	82.088	81.768	81.756	81.509	81.094	80.766
898	67.923	65.924	63.751	65.253	67.707	66.093	83.786	84.399	83.632	83.721	83.793	84.042	81.699	81.629	81.569	80.657	81.095	81.026	82.095	81.777	81.771	81.525	81.088	80.777
899	67.987	65.969	63.795	65.285	67.772	66.132	83.790	84.406	83.643	83.731	83.804	84.051	81.694	81.641	81.579	80.668	81.152	81.039	82.194	81.785	81.786	81.540	81.114	80.789
900	67.990	66.013	63.839	65.317	67.821	66.171	83.855	84.414	83.654	83.741	83.814	84.060	81.689	81.652	81.574	80.680	81.163	81.051	82.231	81.794	81.802	81.556	81.109	80.801
901	68.023	66.058	63.882	65.349	67.855	66.210	83.797	84.421	83.665	83.752	83.824	84.070	81.684	81.664	81.599	80.691	81.174	81.064	82.237	81.803	81.817	81.571	81.104	80.812
902	68.087	66.102	63.895	65.381	67.889	66.249	83.739	84.428	83.676	83.762	83.834	84.079	81.695	81.676	81.564	80.703	81.216	81.077	82.305	81.811	81.832	81.586	81.129	80.824
903	68.120	66.146	63.923	65.414	67.892	66.287	83.743	84.435	83.687	83.772	83.845	84.087	81.690	81.688	81.574	80.714	81.273	81.089	82.342	81.820	81.848	81.602	81.124	80.836
904	68.154	66.190	63.967	65.446	67.942	66.326	83.685	84.442	83.697	83.782	83.855	84.096	81.685	81.700	81.584	80.726	81.299	81.102	82.288	81.829	81.863	81.617	81.165	80.847
905	68.279	66.235	63.995	65.478	67.991	66.365	83.627	84.449	83.708	83.792	83.865	84.105	81.711	81.712	81.594	80.737	81.326	81.114	82.294	81.838	81.879	81.633	81.191	80.859
906	68.312	66.279	64.054	65.510	68.025	66.404	83.692	84.455	83.718	83.801	83.874	84.114	81.736	81.724	81.604	80.749	81.321	81.127	82.362	81.846	81.894	81.648	81.216	80.871
907	68.345	66.323	64.082	65.543	68.059	66.443	83.757	84.462	83.729	83.811	83.884	84.122	81.762	81.736	81.629	80.761	81.348	81.139	82.338	81.855	81.909	81.663	81.242	80.882
908	68.316	66.366	64.111	65.575	68.108	66.482	83.882	84.468	83.739	83.821	83.894	84.131	81.772	81.747	81.639	80.772	81.374	81.152	82.344	81.864	81.919	81.679	81.237	80.894
909	68.349	66.410	64.139	65.607	68.112	66.521	83.763	84.475	83.749	83.830	83.904	84.140	81.767	81.759	81.665	80.784	81.370	81.165	82.320	81.872	81.927	81.694	81.293	80.906
910	68.443	66.454	64.151	65.639	68.146	66.559	83.828	84.481	83.759	83.840	83.913	84.148	81.732	81.771	81.675	80.795	81.381	81.177	82.327	81.881	81.935	81.709	81.318	80.917
911	68.507	66.498	64.195	65.671	68.210	66.598	83.831	84.488	83.769	83.849	83.923	84.156	81.742	81.783	81.670	80.807	81.407	81.190	82.303	81.890	81.943	81.725	81.344	80.929
912	68.539	66.541	64.239	65.704	68.244	66.637	83.773	84.494	83.779	83.859	83.932	84.165	81.768	81.795	81.695	80.818	81.418	81.202	82.248	81.899	81.951	81.740	81.385	80.941
913	68.633	66.585	64.267	65.736	68.278	66.676	83.776	84.500	83.789	83.868	83.942	84.173	81.763	81.807	81.659	80.830	81.414	81.215	82.285	81.907	81.959	81.756	81.395	80.952
914	68.697	66.628	64.280	65.768	68.328	66.715	83.779	84.506	83.799	83.877	83.951	84.181	81.773	81.819	81.654	80.841	81.425	81.227	82.261	81.916	81.968	81.771	81.420	80.964
915	68.790	66.672	64.292	65.800	68.346	66.754	83.843	84.512	83.809	83.886	83.960	84.189	81.784	81.830	81.664	80.853	81.451	81.240	82.268	81.925	81.976	81.786	81.400	80.976
916	68.823	66.715	64.336	65.832	68.350	66.793	83.724	84.518	83.818	83.895	83.969	84.197	81.840	81.842	81.628	80.864	81.477	81.253	82.243	81.933	81.984	81.802	81.410	80.987
917	68.825	66.758	64.364	65.865	68.384	66.831	83.849	84.524	83.828	83.904	83.979	84.205	81.835	81.854	81.607	80.876	81.458	81.265	82.281	81.942	81.992	81.817	81.405	80.999
918	68.918	66.802	64.392	65.897	68.418	66.870	83.729	84.530	83.837	83.913	83.988	84.213	81.861	81.866	81.602	80.887	81.484	81.278	82.257	81.951	82.000	81.832	81.400	81.011
919	68.951	66.845	64.452	65.929	68.436	66.909	83.671	84.535	83.847	83.922	83.996	84.221	81.871	81.878	81.597	80.899	81.525	81.290	82.232	81.960	82.008	81.848	81.426	81.022
920	69.014	66.888	64.464	65.961	68.455	66.948	83.674	84.541	83.856	83.930	84.005	84.229	81.882	81.890	81.622	80.910	81.567	81.303	82.270	81.968	82.016	81.863	81.436	81.034
921	69.015	66.931	64.493	65.993	68.489	66.987	83.738	84.546	83.865	83.939	84.014	84.237	81.877	81.902	81.602	80.922	81.548	81.315	82.246	81.977	82.025	81.879	81.415	81.046
922	69.017	66.974	64.521	66.026	68.523	67.026	83.863	84.552	83.874	83.947	84.023	84.244	81.887	81.913	81.597	80.933	81.574	81.328	82.313	81.986	82.033	81.894	81.441	81.057
923	69.049	67.016	64.564	66.058	68.572	67.065	83.866	84.557	83.883	83.956	84.032	84.252	81.897	81.925	81.607	80.945	81.600	81.341	82.351	81.994	82.041	81.909	81.436	81.069
924	69.050	67.059	64.608	66.090	68.606	67.103	83.929	84.562	83.892	83.964	84.040	84.260	81.908	81.937	81.647	80.956	81.611	81.353	82.388	82.003	82.049	81.919	81.446	81.081

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
925	69.082	67.102	64.621	66.122	68.640	67.142	83.871	84.568	83.901	83.972	84.049	84.267	81.933	81.949	81.688	80.968	81.637	81.366	82.425	82.012	82.057	81.927	81.472	81.093
926	69.114	67.144	64.664	66.155	68.674	67.181	83.996	84.573	83.910	83.981	84.057	84.274	81.959	81.961	81.683	80.979	81.679	81.378	82.401	82.021	82.065	81.935	81.466	81.104
927	69.116	67.187	64.693	66.187	68.739	67.220	83.999	84.578	83.919	83.989	84.065	84.282	81.939	81.973	81.708	80.991	81.690	81.391	82.499	82.029	82.073	81.943	81.477	81.116
928	69.178	67.229	64.736	66.219	68.773	67.259	84.062	84.583	83.928	83.997	84.074	84.289	81.919	81.985	81.734	81.002	81.701	81.403	82.536	82.038	82.082	81.951	81.472	81.128
929	69.210	67.272	64.780	66.251	68.807	67.298	84.126	84.588	83.936	84.005	84.082	84.296	81.914	81.997	81.759	81.014	81.712	81.416	82.574	82.047	82.090	81.959	81.466	81.139
930	69.211	67.314	64.808	66.283	68.856	67.337	84.006	84.592	83.945	84.013	84.090	84.303	81.924	82.008	81.769	81.025	81.739	81.429	82.641	82.055	82.098	81.968	81.461	81.151
931	69.243	67.356	64.867	66.316	68.921	67.375	84.069	84.597	83.953	84.021	84.098	84.310	81.919	82.020	81.779	81.037	81.765	81.441	82.648	82.064	82.106	81.976	81.441	81.163
932	69.305	67.399	64.942	66.348	68.970	67.414	84.072	84.602	83.962	84.028	84.106	84.317	81.914	82.032	81.820	81.049	81.791	81.454	82.685	82.073	82.114	81.984	81.436	81.174
933	69.336	67.441	64.986	66.380	69.004	67.453	84.135	84.606	83.970	84.036	84.114	84.324	81.925	82.044	81.799	81.060	81.817	81.466	82.630	82.082	82.122	81.992	81.446	81.186
934	69.399	67.483	65.014	66.412	69.038	67.492	84.076	84.611	83.978	84.044	84.122	84.331	81.966	82.056	81.809	81.072	81.844	81.479	82.637	82.090	82.130	82.000	81.456	81.198
935	69.430	67.525	65.088	66.444	69.011	67.531	84.140	84.615	83.986	84.051	84.130	84.338	81.945	82.068	81.820	81.083	81.855	81.491	82.613	82.099	82.139	82.008	81.467	81.209
936	69.523	67.567	65.117	66.477	69.045	67.570	84.142	84.619	83.994	84.058	84.137	84.345	81.940	82.080	81.830	81.095	81.881	81.504	82.589	82.108	82.147	82.016	81.477	81.221
937	69.554	67.609	65.176	66.509	69.079	67.609	84.083	84.624	84.002	84.066	84.145	84.351	81.951	82.091	81.840	81.106	81.907	81.517	82.626	82.116	82.155	82.025	81.487	81.233
938	69.586	67.650	65.204	66.541	69.098	67.647	83.962	84.628	84.010	84.073	84.153	84.358	81.961	82.103	81.850	81.118	81.918	81.529	82.632	82.125	82.163	82.033	81.513	81.244
939	69.678	67.692	65.232	66.573	69.132	67.686	84.025	84.632	84.018	84.080	84.160	84.364	81.972	82.115	81.890	81.129	81.929	81.542	82.578	82.134	82.171	82.041	81.538	81.256
940	69.740	67.734	65.260	66.605	69.166	67.725	83.966	84.636	84.026	84.087	84.167	84.371	81.951	82.127	81.855	81.141	81.956	81.554	82.615	82.143	82.179	82.049	81.548	81.268
941	69.802	67.775	65.288	66.638	69.169	67.764	83.907	84.640	84.033	84.094	84.175	84.377	81.977	82.139	81.834	81.152	81.951	81.567	82.591	82.151	82.188	82.057	81.574	81.279
942	69.833	67.817	65.317	66.670	69.218	67.803	83.909	84.644	84.041	84.101	84.182	84.383	82.003	82.151	81.859	81.164	81.947	81.579	82.597	82.160	82.196	82.065	81.553	81.291
943	69.833	67.858	65.345	66.702	69.268	67.842	83.972	84.647	84.049	84.108	84.189	84.390	82.028	82.163	81.839	81.175	81.943	81.592	82.635	82.169	82.204	82.073	81.548	81.303
944	69.956	67.899	65.389	66.734	69.302	67.881	84.158	84.651	84.056	84.115	84.196	84.396	82.008	82.175	81.880	81.187	81.969	81.605	82.610	82.178	82.212	82.082	81.528	81.314
945	69.987	67.941	65.417	66.767	69.351	67.920	84.160	84.655	84.063	84.122	84.203	84.402	82.049	82.186	81.905	81.198	81.980	81.617	82.617	82.186	82.220	82.090	81.538	81.326
946	69.988	67.982	65.414	66.799	69.370	67.958	84.162	84.658	84.071	84.128	84.210	84.408	82.075	82.198	81.900	81.210	81.945	81.630	82.593	82.195	82.228	82.098	81.564	81.338
947	69.957	68.023	65.458	66.831	69.434	67.997	84.225	84.661	84.078	84.135	84.217	84.414	82.116	82.210	81.895	81.221	81.956	81.642	82.569	82.204	82.236	82.106	81.574	81.349
948	70.049	68.064	65.486	66.863	69.484	68.036	84.165	84.665	84.085	84.141	84.224	84.420	82.126	82.222	81.935	81.233	81.936	81.655	82.545	82.212	82.245	82.114	81.553	81.361
949	70.141	68.105	65.530	66.895	69.502	68.075	84.289	84.668	84.092	84.148	84.231	84.426	82.152	82.234	81.976	81.244	81.932	81.667	82.490	82.221	82.253	82.122	81.594	81.373
950	70.111	68.146	65.573	66.928	69.521	68.114	84.230	84.671	84.099	84.154	84.238	84.432	82.193	82.246	81.971	81.256	81.958	81.680	82.466	82.230	82.261	82.130	81.574	81.384
951	70.141	68.187	65.617	66.960	69.540	68.153	84.292	84.674	84.106	84.160	84.244	84.437	82.188	82.258	81.966	81.267	81.985	81.693	82.472	82.239	82.269	82.139	81.599	81.396
952	70.172	68.228	65.660	66.992	69.574	68.192	84.233	84.677	84.112	84.166	84.251	84.443	82.244	82.269	81.945	81.279	81.980	81.705	82.479	82.247	82.277	82.147	81.625	81.408
953	70.202	68.268	65.704	67.024	69.639	68.230	84.295	84.680	84.119	84.172	84.257	84.448	82.239	82.281	81.970	81.290	81.991	81.718	82.485	82.256	82.285	82.155	81.650	81.420
954	70.294	68.309	65.748	67.056	69.657	68.269	84.235	84.683	84.126	84.178	84.264	84.454	82.265	82.293	81.980	81.302	81.972	81.730	82.492	82.265	82.293	82.163	81.645	81.431
955	70.324	68.349	65.792	67.089	69.691	68.308	84.359	84.686	84.132	84.184	84.270	84.459	82.291	82.305	81.991	81.313	81.998	81.743	82.498	82.273	82.302	82.171	81.640	81.443
956	70.324	68.390	65.835	67.121	69.725	68.347	84.361	84.689	84.139	84.190	84.276	84.465	82.301	82.317	82.001	81.325	82.024	81.755	82.536	82.282	82.310	82.179	81.666	81.455

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
957	70.324	68.430	65.894	67.153	69.720	68.376	84.239	84.691	84.145	84.196	84.282	84.470	82.327	82.329	81.995	81.337	82.035	81.768	82.573	82.291	82.318	82.188	81.676	81.466
958	70.293	68.471	65.907	67.185	69.743	68.403	84.179	84.694	84.151	84.202	84.288	84.475	82.353	82.341	82.005	81.348	82.031	81.781	82.579	82.300	82.326	82.196	81.702	81.478
959	70.323	68.511	65.966	67.217	69.782	68.430	84.181	84.696	84.158	84.207	84.294	84.480	82.378	82.352	82.016	81.360	82.027	81.793	82.617	82.308	82.334	82.204	81.697	81.490
960	70.384	68.551	65.995	67.250	69.821	68.456	84.182	84.699	84.164	84.213	84.300	84.486	82.404	82.364	82.026	81.371	82.038	81.806	82.562	82.317	82.342	82.212	81.707	81.501
961	70.414	68.591	66.023	67.282	69.844	68.483	84.306	84.701	84.170	84.218	84.306	84.491	82.430	82.376	82.020	81.383	82.049	81.818	82.538	82.326	82.350	82.220	81.671	81.513
962	70.413	68.631	66.067	67.314	69.913	68.510	84.245	84.703	84.176	84.223	84.312	84.496	82.471	82.388	82.046	81.394	82.075	81.831	82.483	82.334	82.359	82.228	81.712	81.525
963	70.474	68.671	66.048	67.346	69.922	68.536	84.124	84.705	84.182	84.229	84.318	84.500	82.466	82.400	82.087	81.406	82.071	81.843	82.490	82.343	82.367	82.236	81.722	81.536
964	70.504	68.711	66.092	67.379	69.976	68.563	84.125	84.707	84.188	84.234	84.323	84.505	82.476	82.412	82.097	81.417	82.066	81.856	82.527	82.352	82.375	82.245	81.702	81.548
965	70.534	68.751	66.105	67.411	69.968	68.590	84.065	84.709	84.193	84.239	84.329	84.510	82.502	82.424	82.122	81.429	82.062	81.869	82.533	82.361	82.383	82.253	81.712	81.560
966	70.594	68.791	66.118	67.443	69.976	68.616	84.127	84.711	84.199	84.244	84.334	84.515	82.528	82.436	82.147	81.440	82.073	81.881	82.478	82.369	82.391	82.261	81.737	81.571
967	70.593	68.831	66.161	67.475	69.969	68.643	84.250	84.713	84.205	84.249	84.340	84.519	82.538	82.447	82.173	81.452	82.099	81.894	82.546	82.378	82.399	82.269	81.748	81.583
968	70.531	68.870	66.205	67.507	69.992	68.670	84.190	84.715	84.210	84.254	84.345	84.524	82.564	82.459	82.168	81.463	82.126	81.906	82.492	82.387	82.407	82.277	81.742	81.595
969	70.561	68.910	66.249	67.540	70.046	68.697	84.191	84.716	84.216	84.259	84.350	84.528	82.574	82.471	82.132	81.475	82.167	81.919	82.529	82.395	82.416	82.285	81.753	81.606
970	70.560	68.949	66.292	67.572	70.070	68.723	84.253	84.718	84.221	84.263	84.356	84.533	82.585	82.483	82.126	81.486	82.178	81.931	82.566	82.404	82.424	82.293	81.763	81.618
971	70.589	68.988	66.305	67.604	70.062	68.750	84.253	84.719	84.226	84.268	84.361	84.537	82.595	82.495	82.167	81.498	82.189	81.944	82.603	82.413	82.432	82.302	81.773	81.630
972	70.649	69.027	66.364	67.636	70.101	68.777	84.315	84.721	84.231	84.273	84.366	84.542	82.621	82.507	82.177	81.509	82.216	81.957	82.579	82.422	82.440	82.310	81.783	81.641
973	70.678	69.067	66.377	67.668	70.094	68.803	84.316	84.722	84.237	84.277	84.371	84.546	82.616	82.519	82.172	81.521	82.257	81.969	82.555	82.430	82.448	82.318	81.809	81.653
974	70.739	69.106	66.420	67.701	70.087	68.830	84.317	84.723	84.242	84.282	84.376	84.550	82.641	82.530	82.182	81.532	82.253	81.982	82.592	82.439	82.456	82.326	81.819	81.665
975	70.737	69.145	66.464	67.733	70.110	68.857	84.317	84.724	84.247	84.286	84.381	84.554	82.682	82.542	82.208	81.544	82.249	81.994	82.599	82.448	82.464	82.334	81.845	81.676
976	70.797	69.183	66.539	67.765	70.149	68.884	84.256	84.725	84.251	84.290	84.385	84.558	82.693	82.554	82.248	81.555	82.260	82.007	82.636	82.456	82.473	82.342	81.855	81.688
977	70.826	69.222	66.598	67.797	70.157	68.910	84.318	84.726	84.256	84.294	84.390	84.562	82.688	82.566	82.258	81.567	82.255	82.019	82.612	82.465	82.481	82.350	81.850	81.700
978	70.855	69.261	66.641	67.829	70.211	68.937	84.380	84.728	84.261	84.298	84.395	84.566	82.668	82.578	82.299	81.578	82.266	82.032	82.618	82.474	82.489	82.359	81.860	81.711
979	70.915	69.300	66.669	67.862	70.249	68.964	84.382	84.732	84.266	84.302	84.399	84.570	82.693	82.590	82.309	81.590	82.277	82.045	82.533	82.483	82.497	82.367	82.017	81.723
980	70.974	69.338	66.744	67.894	70.273	68.990	84.384	84.736	84.270	84.306	84.404	84.574	82.734	82.602	82.335	81.601	82.288	82.057	82.601	82.491	82.505	82.375	82.026	81.735
981	71.065	69.377	66.772	67.926	70.311	69.017	84.448	84.741	84.275	84.310	84.408	84.577	82.760	82.614	82.345	81.613	82.284	82.070	82.607	82.500	82.513	82.383	81.973	81.747
982	71.093	69.415	66.816	67.958	70.319	69.044	84.573	84.745	84.279	84.314	84.412	84.581	82.755	82.625	82.355	81.625	82.310	82.082	82.552	82.509	82.521	82.391	81.951	81.758
983	71.153	69.454	66.859	67.990	70.373	69.070	84.759	84.750	84.283	84.318	84.417	84.584	82.765	82.637	82.349	81.636	82.352	82.095	82.559	82.517	82.530	82.399	81.960	81.770
984	71.151	69.492	66.872	68.023	70.427	69.097	84.761	84.754	84.288	84.321	84.421	84.588	82.790	82.648	82.360	81.648	82.394	82.107	82.596	82.526	82.538	82.407	81.969	81.782
985	71.180	69.530	66.900	68.055	70.466	69.124	84.825	84.758	84.292	84.325	84.425	84.591	82.795	82.654	82.385	81.659	82.420	82.120	82.603	82.535	82.546	82.416	81.916	81.793
986	71.208	69.568	66.897	68.087	70.459	69.151	84.949	84.762	84.296	84.328	84.429	84.595	82.785	82.660	82.395	81.671	82.431	82.133	82.578	82.544	82.554	82.424	81.956	81.805
987	71.176	69.606	66.941	68.119	70.482	69.177	85.074	84.766	84.300	84.332	84.433	84.598	82.790	82.666	82.405	81.682	82.427	82.145	82.585	82.552	82.562	82.432	81.934	81.817
988	71.204	69.644	66.969	68.152	70.490	69.204	85.015	84.771	84.304	84.335	84.437	84.601	82.780	82.672	82.415	81.694	82.438	82.158	82.591	82.561	82.570	82.440	81.881	81.828

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
989	71.294	69.682	67.013	68.184	70.529	69.231	85.078	84.775	84.308	84.338	84.441	84.604	82.785	82.678	82.379	81.705	82.433	82.170	82.598	82.570	82.578	82.448	81.921	81.840
990	71.292	69.720	67.041	68.216	70.537	69.257	85.080	84.779	84.311	84.341	84.445	84.607	82.791	82.683	82.389	81.717	82.444	82.183	82.605	82.578	82.587	82.456	81.899	81.852
991	71.351	69.758	67.069	68.248	70.545	69.284	85.266	84.783	84.315	84.344	84.448	84.610	82.750	82.689	82.399	81.728	82.471	82.195	82.642	82.587	82.595	82.464	81.938	81.863
992	71.410	69.796	67.113	68.280	70.584	69.311	85.207	84.787	84.319	84.347	84.452	84.613	82.755	82.695	82.410	81.740	82.482	82.208	82.648	82.596	82.603	82.473	81.947	81.875
993	71.468	69.833	67.156	68.313	70.622	69.337	85.148	84.791	84.322	84.350	84.455	84.616	82.775	82.701	82.435	81.751	82.493	82.221	82.685	82.605	82.611	82.481	81.986	81.887
994	71.497	69.871	67.184	68.345	70.661	69.364	85.150	84.795	84.326	84.353	84.459	84.619	82.811	82.707	82.445	81.763	82.519	82.233	82.692	82.613	82.619	82.489	82.056	81.898
995	71.555	69.909	67.243	68.377	70.715	69.391	85.152	84.799	84.330	84.358	84.462	84.622	82.832	82.713	82.424	81.774	82.515	82.246	82.668	82.622	82.627	82.497	82.065	81.910
996	71.614	69.946	67.302	68.409	70.723	69.418	85.154	84.803	84.335	84.364	84.465	84.625	82.822	82.719	82.435	81.786	82.526	82.258	82.674	82.631	82.636	82.505	82.105	81.922
997	71.581	69.983	67.315	68.441	70.746	69.444	85.156	84.807	84.340	84.370	84.469	84.627	82.827	82.725	82.445	81.797	82.552	82.271	82.681	82.639	82.644	82.513	82.113	81.933
998	71.578	70.021	67.343	68.474	70.785	69.471	85.280	84.811	84.345	84.376	84.472	84.630	82.847	82.731	82.455	81.809	82.594	82.283	82.687	82.648	82.652	82.521	82.122	81.945
999	71.637	70.058	67.341	68.506	70.778	69.498	85.221	84.814	84.350	84.381	84.475	84.632	82.852	82.737	82.480	81.820	82.574	82.296	82.633	82.657	82.660	82.530	82.100	81.957
1000	71.695	70.095	67.384	68.538	70.801	69.524	85.223	84.818	84.354	84.387	84.478	84.635	82.873	82.743	82.505	81.832	82.570	82.309	82.609	82.666	82.668	82.538	82.140	81.968
1001	71.692	70.132	67.428	68.570	70.825	69.551	85.408	84.822	84.359	84.393	84.481	84.637	82.878	82.749	82.485	81.843	82.581	82.321	82.615	82.674	82.676	82.546	82.148	81.980
1002	71.720	70.169	67.487	68.602	70.848	69.578	85.410	84.826	84.363	84.399	84.484	84.639	82.899	82.754	82.526	81.855	82.592	82.334	82.622	82.683	82.684	82.554	82.157	81.992
1003	71.717	70.206	67.515	68.635	70.917	69.604	85.473	84.829	84.368	84.404	84.487	84.642	82.904	82.760	82.536	81.866	82.572	82.346	82.567	82.692	82.693	82.562	82.166	82.003
1004	71.775	70.243	67.543	68.667	70.941	69.631	85.536	84.833	84.372	84.410	84.489	84.644	82.924	82.766	82.546	81.878	82.598	82.359	82.604	82.700	82.701	82.570	82.175	82.015
1005	71.742	70.280	67.571	68.699	70.964	69.658	85.538	84.836	84.377	84.416	84.492	84.646	82.929	82.772	82.541	81.889	82.579	82.371	82.580	82.709	82.709	82.578	82.183	82.027
1006	71.831	70.316	67.600	68.731	70.972	69.685	85.540	84.840	84.381	84.421	84.494	84.648	82.935	82.778	82.566	81.901	82.605	82.384	82.525	82.718	82.717	82.587	82.162	82.038
1007	71.950	70.353	67.628	68.764	71.011	69.711	85.419	84.844	84.386	84.427	84.497	84.650	82.924	82.784	82.545	81.913	82.631	82.397	82.562	82.727	82.725	82.595	82.170	82.050
1008	72.070	70.390	67.656	68.796	71.049	69.738	85.360	84.847	84.390	84.432	84.499	84.652	82.914	82.790	82.540	81.924	82.612	82.409	82.538	82.735	82.733	82.603	82.179	82.062
1009	72.097	70.426	67.715	68.828	71.073	69.765	85.423	84.851	84.394	84.438	84.502	84.653	82.919	82.796	82.519	81.936	82.634	82.417	82.576	82.744	82.741	82.611	82.157	82.073
1010	72.063	70.463	67.774	68.860	71.096	69.791	85.363	84.854	84.398	84.443	84.504	84.655	83.001	82.802	82.530	81.947	82.656	82.424	82.582	82.753	82.750	82.619	82.166	82.085
1011	72.090	70.499	67.802	68.892	71.120	69.818	85.426	84.857	84.403	84.449	84.507	84.657	83.007	82.808	82.570	81.959	82.661	82.431	82.619	82.762	82.758	82.627	82.144	82.097
1012	72.179	70.535	67.815	68.925	71.112	69.845	85.428	84.861	84.409	84.454	84.511	84.658	83.012	82.814	82.550	81.970	82.683	82.438	82.687	82.770	82.766	82.636	82.122	82.109
1013	72.206	70.571	67.828	68.957	71.136	69.871	85.368	84.864	84.415	84.459	84.515	84.660	83.002	82.820	82.590	81.982	82.673	82.444	82.694	82.779	82.774	82.644	82.162	82.120
1014	72.233	70.607	67.856	68.989	71.159	69.898	85.308	84.868	84.420	84.465	84.519	84.661	83.022	82.825	82.631	81.993	82.679	82.451	82.731	82.788	82.782	82.652	82.109	82.132
1015	72.199	70.644	67.900	69.021	71.167	69.925	85.187	84.871	84.426	84.470	84.522	84.663	83.027	82.831	82.657	82.005	82.700	82.458	82.737	82.796	82.790	82.660	82.179	82.144
1016	72.256	70.680	67.928	69.053	71.236	69.952	85.312	84.874	84.431	84.475	84.526	84.664	83.033	82.837	82.713	82.016	82.691	82.464	82.744	82.805	82.798	82.668	82.218	82.155
1017	72.314	70.715	67.956	69.086	71.260	69.978	85.252	84.877	84.437	84.480	84.529	84.666	83.053	82.843	82.723	82.028	82.697	82.471	82.720	82.814	82.807	82.676	82.227	82.167
1018	72.310	70.751	68.000	69.118	71.283	70.005	85.376	84.880	84.442	84.485	84.534	84.669	83.058	82.849	82.748	82.039	82.718	82.478	82.757	82.823	82.815	82.684	82.297	82.179
1019	72.367	70.787	68.012	69.150	71.291	70.032	85.439	84.884	84.447	84.490	84.539	84.673	83.048	82.855	82.774	82.051	82.709	82.485	82.763	82.831	82.823	82.693	82.275	82.190
1020	72.364	70.823	68.041	69.182	71.330	70.058	85.379	84.887	84.453	84.495	84.543	84.677	83.053	82.861	82.768	82.062	82.684	82.491	82.770	82.840	82.831	82.701	82.315	82.202

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1021	72.421	70.858	68.099	69.214	71.353	70.085							83.043	82.867	82.778	82.074	82.705	82.498	82.776	82.849	82.839	82.709	82.323	82.214
1022	72.448	70.894	68.128	69.247	71.377	70.112							83.033	82.873	82.819	82.085	82.696	82.505	82.783	82.857	82.847	82.717	82.332	82.225
1023	72.505	70.929	68.156	69.279	71.385	70.139							83.038	82.879	82.829	82.097	82.655	82.512	82.790	82.866	82.855	82.725	82.372	82.237
1024	72.531	70.965	68.199	69.311	71.423	70.165							83.028	82.885	82.824	82.108	82.692	82.518	82.765	82.875	82.864	82.733	82.380	82.249
1025	72.589	71.000	68.228	69.343	71.493	70.192							83.018	82.891	82.788	82.120	82.698	82.525	82.772	82.884	82.872	82.741	82.389	82.260
1026	72.646	71.035	68.240	69.376	71.501	70.219							83.038	82.897	82.813	82.131	82.734	82.532	82.779	82.892	82.880	82.750	82.428	82.272
1027	72.672	71.071	68.284	69.408	71.524	70.245							83.074	82.902	82.839	82.143	82.756	82.538	82.754	82.901	82.888	82.758	82.437	82.284
1028	72.698	71.106	68.343	69.440	71.532	70.272							83.079	82.908	82.849	82.154	82.746	82.545	82.761	82.910	82.896	82.766	82.446	82.295
1029	72.786	71.141	68.356	69.472	71.556	70.299							83.085	82.914	82.844	82.166	82.767	82.552	82.737	82.918	82.904	82.774	82.393	82.307
1030	72.812	71.176	68.399	69.504	71.548	70.325							83.090	82.920	82.854	82.177	82.758	82.559	82.713	82.927	82.912	82.782	82.402	82.319
1031	72.808	71.211	68.412	69.537	71.556	70.352							83.080	82.926	82.833	82.189	82.764	82.565	82.750	82.936	82.921	82.790	82.472	82.330
1032	72.803	71.246	68.456	69.569	71.580	70.379							83.085	82.932	82.843	82.200	82.770	82.572	82.695	82.945	82.929	82.798	82.450	82.342
1033	72.829	71.280	68.468	69.601	71.603	70.406							83.105	82.938	82.869	82.212	82.760	82.579	82.763	82.953	82.937	82.807	82.398	82.354
1034	72.825	71.315	68.512	69.633	71.626	70.432							83.110	82.944	82.879	82.224	82.751	82.586	82.800	82.962	82.945	82.815	82.376	82.365
1035	72.881	71.350	68.494	69.665	71.665	70.459							83.131	82.950	82.904	82.235	82.757	82.592	82.807	82.971	82.953	82.823	82.385	82.377
1036	72.877	71.384	68.522	69.698	71.704	70.486							83.136	82.956	82.960	82.247	82.747	82.599	82.874	82.979	82.961	82.831	82.424	82.389
1037	72.872	71.419	68.551	69.730	71.742	70.512							83.172	82.962	82.970	82.258	82.738	82.606	82.850	82.988	82.969	82.839	82.433	82.400
1038	72.928	71.453	68.579	69.762	71.781	70.539							83.177	82.968	82.980	82.270	82.759	82.612	82.887	82.997	82.978	82.847	82.503	82.412
1039	72.954	71.487	68.607	69.794	71.804	70.566							83.198	82.973	82.990	82.281	82.750	82.619	82.894	83.006	82.986	82.855	82.512	82.424
1040	72.949	71.522	68.650	69.826	71.843	70.592							83.218	82.979	83.031	82.293	82.771	82.626	82.901	83.014	82.994	82.864	82.490	82.436
1041	73.005	71.556	68.694	69.859	71.866	70.619							83.223	82.985	83.041	82.304	82.792	82.633	82.938	83.023	83.002	82.872	82.467	82.447
1042	73.061	71.590	68.707	69.891	71.875	70.646							83.228	82.991	83.036	82.316	82.829	82.639	82.944	83.032	83.010	82.880	82.536	82.459
1043	73.056	71.624	68.735	69.923	71.898	70.673							83.234	82.997	83.061	82.327	82.835	82.646	82.951	83.040	83.018	82.888	82.544	82.471
1044	73.021	71.658	68.763	69.955	71.921	70.699							83.254	83.003	83.056	82.339	82.840	82.653	82.988	83.049	83.026	82.896	82.582	82.482
1045	73.046	71.692	68.791	69.988	71.945	70.726							83.259	83.009	83.020	82.350	82.846	82.660	82.994	83.058	83.035	82.904	82.589	82.494
1046	73.071	71.726	68.819	70.020	71.983	70.753							83.265	83.015	83.046	82.362	82.883	82.666	83.001	83.067	83.043	82.912	82.596	82.506
1047	73.189	71.759	68.848	70.052	72.022	70.779							83.224	83.021	83.056	82.373	82.873	82.673	82.946	83.075	83.051	82.921	82.573	82.517
1048	73.153	71.793	68.891	70.084	71.999	70.806							83.244	83.027	83.050	82.385	82.879	82.680	82.953	83.084	83.059	82.929	82.611	82.529
1049	73.147	71.827	68.904	70.116	72.023	70.833							83.234	83.033	83.030	82.396	82.901	82.686	83.021	83.093	83.067	82.937	82.587	82.538
1050	73.203	71.860	68.917	70.149	72.046	70.859							83.239	83.039	83.055	82.408	82.876	82.693	82.997	83.101	83.075	82.945	82.653	82.545
1051	73.259	71.894	68.960	70.181	72.069	70.886							83.244	83.044	83.065	82.419	82.866	82.700	82.942	83.110	83.083	82.953	82.688	82.551
1052	73.284	71.927	68.988	70.213	72.108	70.913							83.219	83.050	83.075	82.431	82.872	82.707	82.918	83.119	83.092	82.961	82.693	82.557

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1053	73.339	71.960	69.047	70.245	72.116	70.940							83.255	83.056	83.085	82.442	82.878	82.713	82.924	83.128	83.100	82.969	82.698	82.564
1054	73.364	71.994	69.091	70.277	72.155	70.966							83.260	83.062	83.095	82.454	82.915	82.720	82.961	83.136	83.108	82.978	82.672	82.570
1055	73.359	72.027	69.135	70.310	72.178	70.993							83.265	83.068	83.121	82.465	82.936	82.727	82.968	83.145	83.116	82.986	82.646	82.576
1056	73.383	72.060	69.147	70.342	72.186	71.020							83.270	83.074	83.116	82.477	82.942	82.734	83.036	83.154	83.124	82.994	82.681	82.583
1057	73.408	72.093	69.145	70.374	72.271	71.046							83.275	83.080	83.141	82.488	82.932	82.740	83.042	83.162	83.132	83.002	82.686	82.589
1058	73.494	72.126	69.204	70.406	72.294	71.073							83.281	83.086	83.151	82.500	82.938	82.747	83.018	83.171	83.141	83.010	82.599	82.595
1059	73.519	72.159	69.232	70.438	72.318	71.100							83.286	83.092	83.146	82.512	82.975	82.754	82.994	83.180	83.149	83.018	82.573	82.602
1060	73.543	72.192	69.260	70.471	72.326	71.126							83.276	83.098	83.155	82.522	82.981	82.760	83.062	83.189	83.157	83.026	82.578	82.608
1061	73.629	72.224	69.319	70.503	72.334	71.153							83.266	83.104	83.145	82.528	82.986	82.767	83.068	83.197	83.165	83.035	82.644	82.614
1062	73.715	72.257	69.363	70.535	72.326	71.180							83.255	83.110	83.166	82.534	83.008	82.774	83.106	83.206	83.173	83.043	82.618	82.621
1063	73.770	72.289	69.422	70.567	72.380	71.207							83.245	83.116	83.141	82.541	83.014	82.781	83.112	83.215	83.181	83.051	82.623	82.627
1064	73.825	72.322	69.435	70.600	72.389	71.233							83.235	83.121	83.131	82.547	83.019	82.787	83.119	83.223	83.189	83.059	82.689	82.633
1065	73.880	72.354	69.463	70.632	72.427	71.260							83.240	83.127	83.121	82.553	83.056	82.794	83.095	83.232	83.198	83.067	82.663	82.640
1066	73.935	72.387	69.506	70.664	72.451	71.287							83.215	83.133	83.142	82.559	83.062	82.801	83.132	83.241	83.206	83.075	82.606	82.646
1067	73.990	72.419	69.580	70.696	72.489	71.313							83.205	83.139	83.147	82.566	83.052	82.808	83.108	83.250	83.214	83.083	82.580	82.652
1068	74.014	72.451	69.609	70.728	72.528	71.340							83.210	83.145	83.168	82.572	83.043	82.814	83.176	83.258	83.222	83.092	82.585	82.659
1069	74.038	72.484	69.637	70.761	72.536	71.367							83.230	83.151	83.204	82.578	83.034	82.821	83.213	83.267	83.230	83.100	82.529	82.665
1070	74.062	72.516	69.680	70.793	72.575	71.394							83.220	83.157	83.225	82.585	83.024	82.828	83.219	83.276	83.238	83.108	82.533	82.671
1071	74.056	72.548	69.724	70.825	72.629	71.420							83.241	83.163	83.215	82.591	83.030	82.834	83.226	83.284	83.246	83.116	82.538	82.678
1072	74.079	72.580	69.737	70.857	72.621	71.447							83.231	83.169	83.206	82.597	82.990	82.841	83.202	83.293	83.255	83.124	82.543	82.684
1073	74.103	72.611	69.765	70.889	72.645	71.474							83.282	83.175	83.211	82.603	82.996	82.848	83.175	83.298	83.263	83.132	82.548	82.690
1074	74.158	72.643	69.793	70.922	72.684	71.500							83.287	83.181	83.201	82.610	83.002	82.855	83.209	83.302	83.271	83.141	82.614	82.697
1075	74.151	72.675	69.806	70.954	72.692	71.527							83.277	83.187	83.176	82.616	82.992	82.861	83.212	83.307	83.279	83.149	82.649	82.703
1076	74.175	72.707	69.803	70.986	72.700	71.554							83.282	83.192	83.182	82.622	83.013	82.868	83.123	83.312	83.287	83.157	82.684	82.709
1077	74.198	72.738	69.847	71.018	72.738	71.580							83.287	83.198	83.187	82.629	83.004	82.875	83.096	83.316	83.295	83.165	82.658	82.716
1078	74.253	72.770	69.875	71.050	72.731	71.607							83.308	83.204	83.208	82.635	83.010	82.882	83.099	83.321	83.303	83.173	82.694	82.722
1079	74.307	72.801	69.919	71.083	72.754	71.634							83.282	83.210	83.214	82.641	83.000	82.888	83.164	83.325	83.312	83.181	82.729	82.728
1080	74.300	72.832	69.947	71.115	72.778	71.661							83.272	83.216	83.219	82.648	83.006	82.895	83.137	83.330	83.320	83.189	82.673	82.735
1081	74.323	72.864	69.975	71.147	72.786	71.687							83.308	83.222	83.225	82.654	83.043	82.902	83.140	83.334	83.328	83.198	82.708	82.741
1082	74.285	72.895	70.003	71.179	72.809	71.714							83.328	83.228	83.245	82.660	83.033	82.908	83.205	83.339	83.336	83.206	82.682	82.747
1083	74.309	72.926	70.047	71.211	72.817	71.741							83.349	83.234	83.266	82.666	83.039	82.915	83.178	83.343	83.344	83.214	82.656	82.753
1084	74.363	72.957	70.090	71.244	72.810	71.767							83.354	83.240	83.256	82.673	83.030	82.922	83.120	83.348	83.352	83.222	82.661	82.760

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1085	74.386	72.988	70.119	71.276	72.849	71.794							83.359	83.246	83.231	82.679	83.020	82.929	83.093	83.353	83.360	83.230	82.696	82.766
1086	74.409	73.019	70.147	71.308	72.903	71.821							83.380	83.252	83.252	82.685	83.042	82.935	83.096	83.357	83.369	83.238	82.701	82.772
1087	74.493	73.050	70.175	71.340	72.941	71.847							83.385	83.258	83.242	82.692	83.063	82.942	83.038	83.362	83.377	83.246	82.706	82.779
1088	74.486	73.081	70.249	71.373	72.980	71.874							83.390	83.263	83.248	82.698	83.084	82.949	83.042	83.366	83.382	83.255	82.772	82.785
1089	74.448	73.111	70.254	71.396	72.988	71.901							83.411	83.269	83.284	82.704	83.090	82.955	83.045	83.371	83.386	83.263	82.715	82.791
1090	74.440	73.142	70.288	71.417	72.996	71.928							83.416	83.275	83.289	82.710	83.096	82.962	83.049	83.375	83.390	83.271	82.781	82.798
1091	74.432	73.173	70.291	71.438	73.050	71.954							83.452	83.281	83.264	82.717	83.071	82.969	83.052	83.380	83.374	83.279	82.786	82.804
1092	74.455	73.203	70.309	71.459	73.074	71.981							83.442	83.287	83.270	82.723	83.092	82.976	83.117	83.384	83.361	83.287	82.852	82.810
1093	74.416	73.234	70.312	71.480	73.082	72.008							83.416	83.293	83.275	82.729	83.098	82.982	83.151	83.389	83.378	83.295	82.826	82.817
1094	74.470	73.264	70.315	71.501	73.105	72.034							83.421	83.299	83.296	82.736	83.104	82.989	83.185	83.394	83.388	83.303	82.831	82.823
1095	74.523	73.294	70.318	71.522	73.113	72.061							83.426	83.305	83.317	82.742	83.095	82.996	83.158	83.398	83.397	83.312	82.836	82.829
1096	74.515	73.324	70.337	71.543	73.152	72.088							83.447	83.311	83.322	82.748	83.085	83.003	83.192	83.403	83.406	83.320	82.840	82.836
1097	74.568	73.355	70.386	71.564	73.190	72.114							83.452	83.317	83.328	82.755	83.076	83.009	83.226	83.407	83.413	83.328	82.876	82.842
1098	74.560	73.385	70.404	71.585	73.168	72.141							83.473	83.323	83.334	82.761	83.082	83.016	83.168	83.412	83.440	83.336	82.881	82.848
1099	74.522	73.415	70.453	71.606	73.222	72.168							83.478	83.329	83.339	82.767	83.088	83.023	83.202	83.416	83.454	83.344	82.885	82.855
1100	74.513	73.444	70.472	71.627	73.245	72.195							83.483	83.334	83.345	82.773	83.109	83.029	83.175	83.421	83.462	83.352	82.890	82.861
1101	74.597	73.474	70.475	71.648	73.253	72.221							83.473	83.340	83.350	82.780	83.084	83.036	83.148	83.425	83.469	83.360	82.895	82.867
1102	74.650	73.504	70.493	71.669	73.276	72.248							83.447	83.346	83.356	82.786	83.090	83.043	83.151	83.430	83.491	83.369	82.900	82.874
1103	74.703	73.534	70.496	71.689	73.300	72.275							83.468	83.352	83.376	82.792	83.142	83.050	83.185	83.435	83.503	83.377	82.904	82.880
1104	74.694	73.563	70.530	71.710	73.323	72.301							83.473	83.358	83.382	82.799	83.148	83.056	83.188	83.439	83.509	83.382	82.909	82.886
1105	74.686	73.593	70.563	71.731	73.362	72.328							83.463	83.364	83.403	82.805	83.154	83.063	83.192	83.444	83.517	83.386	82.914	82.893
1106	74.647	73.622	70.582	71.752	73.416	72.355							83.468	83.370	83.424	82.811	83.159	83.070	83.257	83.448	83.489	83.390	82.888	82.899
1107	74.638	73.652	70.616	71.773	73.439	72.381							83.458	83.376	83.444	82.817	83.165	83.077	83.199	83.453	83.431	83.395	82.893	82.905
1108	74.629	73.681	70.649	71.794	73.447	72.408							83.478	83.382	83.480	82.824	83.202	83.083	83.263	83.457	83.404	83.399	82.928	82.912
1109	74.621	73.710	70.637	71.815	73.471	72.435							83.484	83.388	83.501	82.830	83.208	83.090	83.267	83.462	83.407	83.403	82.902	82.918
1110	74.673	73.740	70.624	71.836	73.509	72.462							83.458	83.394	83.476	82.836	83.214	83.097	83.331	83.466	83.472	83.407	82.907	82.924
1111	74.695	73.769	70.658	71.857	73.517	72.488							83.463	83.400	83.451	82.843	83.219	83.103	83.304	83.471	83.413	83.412	82.973	82.931
1112	74.717	73.798	70.692	71.878	73.571	72.515							83.453	83.406	83.487	82.849	83.225	83.110	83.308	83.476	83.417	83.416	83.008	82.937
1113	74.739	73.827	70.741	71.899	73.610	72.542							83.474	83.411	83.493	82.855	83.247	83.117	83.311	83.480	83.389	83.420	82.952	82.943
1114	74.730	73.856	70.759	71.920	73.633	72.568							83.494	83.417	83.483	82.862	83.237	83.124	83.315	83.485	83.393	83.425	82.956	82.949
1115	74.813	73.884	70.793	71.941	73.672	72.595							83.484	83.423	83.458	82.868	83.228	83.130	83.349	83.489	83.334	83.429	82.931	82.956
1116	74.773	73.913	70.811	71.962	73.680	72.622							83.504	83.429	83.463	82.874	83.218	83.137	83.352	83.494	83.368	83.433	82.935	82.962

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1117	74.764	73.942	70.860	71.983	73.734	72.649							83.494	83.435	83.453	82.880	83.239	83.144	83.355	83.498	83.433	83.437	82.879	82.968
1118	74.755	73.971	70.863	72.004	73.758	72.675							83.500	83.441	83.459	82.887	83.245	83.151	83.359	83.503	83.405	83.442	82.822	82.975
1119	74.776	73.999	70.913	72.025	73.796	72.702							83.535	83.447	83.464	82.893	83.236	83.157	83.362	83.507	83.439	83.446	82.827	82.981
1120	74.859	74.028	70.931	72.046	73.835	72.729							83.556	83.453	83.470	82.899	83.272	83.164	83.366	83.512	83.442	83.450	82.770	82.987
1121	74.911	74.056	70.965	72.067	73.874	72.755							83.592	83.459	83.475	82.906	83.278	83.171	83.369	83.517	83.507	83.455	82.806	82.994
1122	74.932	74.084	70.983	72.088	73.897	72.782							83.597	83.465	83.466	82.912	83.300	83.177	83.372	83.521	83.510	83.459	82.810	83.000
1123	74.922	74.113	71.001	72.109	73.936	72.809							83.602	83.471	83.456	82.918	83.305	83.184	83.376	83.526	83.513	83.463	82.846	83.006
1124	74.974	74.141	71.020	72.130	73.928	72.835							83.622	83.477	83.461	82.924	83.311	83.191	83.349	83.530	83.547	83.467	82.851	83.013
1125	74.934	74.169	71.053	72.151	73.936	72.862							83.643	83.482	83.497	82.931	83.317	83.198	83.352	83.535	83.550	83.472	82.825	83.019
1126	74.894	74.197	71.102	72.172	73.975	72.889							83.633	83.488	83.503	82.937	83.308	83.204	83.386	83.539	83.492	83.476	82.860	83.025
1127	74.915	74.225	71.105	72.193	73.983	72.916							83.638	83.494	83.508	82.943	83.314	83.211	83.359	83.544	83.496	83.480	82.896	83.032
1128	74.905	74.253	71.093	72.214	73.991	72.942							83.659	83.500	83.499	82.950	83.335	83.218	83.362	83.548	83.499	83.485	82.900	83.038
1129	74.895	74.280	71.127	72.235	73.999	72.969							83.679	83.506	83.519	82.956	83.341	83.225	83.427	83.553	83.471	83.489	82.936	83.044
1130	74.977	74.308	71.160	72.256	74.053	72.996							83.684	83.512	83.525	82.962	83.331	83.231	83.461	83.558	83.475	83.493	82.940	83.051
1131	75.029	74.336	71.179	72.277	74.077	73.022							83.705	83.518	83.546	82.969	83.337	83.238	83.403	83.562	83.447	83.497	82.976	83.057
1132	75.080	74.363	71.182	72.298	74.100	73.049							83.725	83.524	83.536	82.975	83.343	83.245	83.407	83.567	83.450	83.502	82.981	83.063
1133	75.131	74.391	71.200	72.319	74.123	73.076							83.715	83.530	83.542	82.981	83.364	83.251	83.379	83.571	83.423	83.506	83.016	83.070
1134	75.152	74.418	71.234	72.340	74.147	73.102							83.720	83.536	83.562	82.987	83.355	83.258	83.383	83.576	83.457	83.510	83.021	83.076
1135	75.172	74.446	71.268	72.361	74.185	73.129							83.741	83.542	83.568	82.994	83.361	83.265	83.325	83.580	83.521	83.515	82.964	83.082
1136	75.224	74.473	71.286	72.382	74.193	73.156							83.777	83.548	83.543	83.000	83.367	83.272	83.267	83.585	83.524	83.519	82.938	83.089
1137	75.305	74.500	71.320	72.403	74.201	73.183							83.766	83.553	83.548	83.006	83.388	83.278	83.270	83.589	83.528	83.523	83.004	83.095
1138	75.264	74.528	71.353	72.424	74.210	73.209							83.772	83.559	83.569	83.013	83.394	83.285	83.213	83.594	83.470	83.528	82.948	83.101
1139	75.254	74.555	71.372	72.445	74.279	73.236							83.761	83.565	83.559	83.019	83.400	83.292	83.247	83.599	83.473	83.532	82.922	83.108
1140	75.305	74.582	71.359	72.466	74.318	73.263							83.767	83.571	83.565	83.025	83.375	83.299	83.250	83.603	83.507	83.536	82.957	83.114
1141	75.294	74.609	71.347	72.487	74.356	73.289							83.787	83.577	83.570	83.031	83.365	83.305	83.284	83.608	83.571	83.540	82.962	83.120
1142	75.315	74.635	71.396	72.508	74.395	73.316							83.777	83.583	83.560	83.038	83.371	83.312	83.288	83.612	83.605	83.545	82.936	83.127
1143	75.365	74.662	71.430	72.529	74.418	73.343							83.767	83.589	83.581	83.044	83.392	83.319	83.260	83.617	83.639	83.549	82.941	83.133
1144	75.355	74.689	71.464	72.550	74.472	73.369							83.772	83.595	83.571	83.050	83.414	83.325	83.294	83.621	83.673	83.553	82.946	83.139
1145	75.375	74.716	71.497	72.571	74.496	73.396							83.747	83.601	83.592	83.057	83.435	83.332	83.328	83.626	83.707	83.558	82.981	83.146
1146	75.395	74.742	71.546	72.592	74.504	73.423							83.736	83.607	83.582	83.063	83.456	83.339	83.332	83.630	83.802	83.562	83.016	83.152
1147	75.384	74.769	71.580	72.613	74.512	73.450							83.757	83.613	83.573	83.069	83.477	83.346	83.366	83.635	83.805	83.566	83.052	83.158
1148	75.434	74.795	71.598	72.634	74.581	73.476							83.777	83.619	83.578	83.076	83.483	83.352	83.369	83.640	83.839	83.570	83.056	83.164

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1149	75.454	74.822	71.632	72.655	74.605	73.503							83.813	83.625	83.584	83.082	83.474	83.359	83.403	83.644	83.781	83.575	83.061	83.171
1150	75.474	74.848	71.666	72.676	74.643	73.530							83.818	83.630	83.589	83.088	83.526	83.366	83.407	83.649	83.815	83.579	83.035	83.177
1151	75.524	74.874	71.669	72.697	74.667	73.556							83.808	83.636	83.610	83.094	83.531	83.373	83.441	83.653	83.818	83.583	83.040	83.183
1152	75.544	74.900	71.687	72.717	74.690	73.583							83.798	83.642	83.646	83.101	83.537	83.379	83.444	83.658	83.821	83.588	83.045	83.190
1153	75.533	74.926	71.659	72.738	74.729	73.610							83.819	83.648	83.667	83.107	83.543	83.386	83.387	83.662	83.763	83.592	83.080	83.196
1154	75.552	74.952	71.709	72.759	74.737	73.636							83.824	83.654	83.657	83.113	83.549	83.393	83.359	83.667	83.797	83.596	83.116	83.202
1155	75.633	74.978	71.712	72.780	74.745	73.663							83.814	83.660	83.632	83.120	83.540	83.399	83.424	83.671	83.800	83.600	83.212	83.209
1156	75.683	75.004	71.745	72.801	74.799	73.690							83.834	83.666	83.668	83.126	83.530	83.406	83.366	83.676	83.803	83.605	83.217	83.215
1157	75.702	75.030	71.764	72.822	74.807	73.717							83.855	83.672	83.674	83.132	83.536	83.413	83.339	83.681	83.776	83.609	83.191	83.221
1158	75.722	75.056	71.782	72.843	74.830	73.743							83.860	83.678	83.679	83.138	83.542	83.420	83.373	83.685	83.779	83.613	83.257	83.228
1159	75.771	75.081	71.831	72.864	74.869	73.770							83.850	83.684	83.685	83.145	83.533	83.426	83.376	83.690	83.813	83.618	83.323	83.234
1160	75.852	75.107	71.865	72.885	74.907	73.797							83.870	83.690	83.690	83.151	83.538	83.433	83.349	83.694	83.847	83.622	83.328	83.240
1161	75.871	75.132	71.868	72.906	74.931	73.823							83.875	83.696	83.726	83.157	83.544	83.440	83.353	83.699	83.850	83.626	83.302	83.247
1162	75.860	75.158	71.886	72.927	74.965	73.845							83.881	83.701	83.686	83.164	83.535	83.447	83.356	83.703	83.853	83.631	83.307	83.253
1163	75.909	75.183	71.920	72.948	74.965	73.862							83.916	83.707	83.722	83.170	83.556	83.453	83.390	83.708	83.826	83.635	83.342	83.259
1164	75.898	75.208	71.938	72.969	75.010	73.879							84.046	83.713	83.727	83.176	83.577	83.460	83.424	83.712	83.860	83.639	83.378	83.266
1165	75.917	75.234	71.972	72.990	75.040	73.896							84.051	83.719	83.748	83.183	83.583	83.467	83.458	83.717	83.832	83.643	83.382	83.272
1166	75.935	75.259	72.006	73.011	75.055	73.913							84.072	83.725	83.754	83.189	83.620	83.473	83.462	83.722	83.866	83.648	83.448	83.278
1167	75.954	75.284	71.978	73.032	75.085	73.929							84.092	83.731	83.744	83.195	83.626	83.480	83.465	83.726	83.869	83.652	83.453	83.285
1168	75.973	75.309	71.996	73.053	75.115	73.946							84.128	83.737	83.749	83.201	83.632	83.487	83.438	83.731	83.842	83.656	83.458	83.291
1169	76.022	75.334	72.015	73.074	75.130	73.963							84.102	83.743	83.740	83.208	83.607	83.494	83.441	83.735	83.876	83.661	83.493	83.297
1170	76.072	75.359	72.002	73.095	75.129	73.980							84.123	83.749	83.745	83.214	83.628	83.500	83.445	83.740	83.818	83.665	83.498	83.304
1171	76.090	75.383	72.005	73.116	75.144	73.997							84.113	83.755	83.735	83.220	83.634	83.507	83.479	83.744	83.913	83.669	83.472	83.310
1172	76.078	75.408	72.024	73.137	75.174	74.014							84.103	83.761	83.772	83.227	83.670	83.514	83.513	83.749	83.886	83.673	83.446	83.316
1173	76.066	75.433	72.057	73.158	75.204	74.031							84.108	83.767	83.808	83.233	83.676	83.521	83.608	83.753	83.919	83.678	83.451	83.323
1174	76.115	75.457	72.091	73.179	75.234	74.047							84.128	83.772	83.829	83.239	83.682	83.527	83.612	83.758	83.953	83.682	83.486	83.329
1175	76.164	75.482	72.140	73.200	75.249	74.064							84.133	83.778	83.865	83.245	83.719	83.534	83.584	83.763	83.987	83.686	83.491	83.335
1176	76.182	75.506	72.189	73.221	75.264	74.081							84.139	83.784	83.855	83.252	83.740	83.541	83.649	83.767	83.929	83.691	83.465	83.342
1177	76.200	75.530	72.192	73.242	75.278	74.098							84.159	83.790	83.845	83.258	83.776	83.547	83.714	83.772	83.963	83.695	83.470	83.348
1178	76.219	75.555	72.226	73.263	75.324	74.115							84.164	83.796	83.820	83.264	83.782	83.554	83.717	83.776	83.966	83.699	83.475	83.354
1179	76.237	75.579	72.229	73.284	75.354	74.132							84.169	83.802	83.825	83.271	83.788	83.561	83.690	83.781	84.031	83.703	83.480	83.361
1180	76.316	75.603	72.232	73.305	75.369	74.149							84.190	83.808	83.831	83.277	83.794	83.568	83.693	83.785	83.911	83.708	83.515	83.367

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1181	76.334	75.627	72.250	73.326	75.399	74.166							84.180	83.814	83.836	83.283	83.785	83.574	83.728	83.790	83.914	83.712	83.550	83.373
1182	76.444	75.651	72.253	73.347	75.414	74.182							84.170	83.820	83.842	83.290	83.806	83.581	83.762	83.794	83.948	83.716	83.586	83.379
1183	76.493	75.675	72.272	73.368	75.428	74.199							84.144	83.826	83.863	83.296	83.812	83.588	83.765	83.799	83.982	83.721	83.621	83.386
1184	76.541	75.699	72.290	73.389	75.458	74.216							84.164	83.831	83.884	83.302	83.833	83.595	83.830	83.804	83.955	83.725	83.626	83.392
1185	76.528	75.723	72.308	73.410	75.442	74.233							84.182	83.834	83.889	83.308	83.839	83.601	83.833	83.808	83.958	83.729	83.631	83.398
1186	76.577	75.746	72.327	73.431	75.457	74.250							84.185	83.837	83.879	83.315	83.845	83.608	83.837	83.813	83.961	83.734	83.635	83.405
1187	76.564	75.770	72.345	73.452	75.457	74.267							84.187	83.840	83.900	83.321	83.835	83.615	83.871	83.817	83.903	83.738	83.640	83.411
1188	76.612	75.793	72.333	73.473	75.441	74.284							84.205	83.843	83.906	83.327	83.810	83.621	83.874	83.822	83.845	83.742	83.675	83.417
1189	76.691	75.817	72.351	73.494	75.471	74.301							84.192	83.846	83.911	83.334	83.830	83.626	83.847	83.826	83.848	83.746	83.711	83.424
1190	76.709	75.840	72.370	73.515	75.516	74.317							84.180	83.849	83.932	83.340	83.818	83.629	83.820	83.831	83.913	83.751	83.685	83.430
1191	76.787	75.864	72.434	73.536	75.516	74.334							84.182	83.852	83.983	83.346	83.836	83.633	83.823	83.835	83.946	83.755	83.690	83.436
1192	76.774	75.887	72.452	73.557	75.530	74.351							84.200	83.855	83.974	83.352	83.839	83.637	83.857	83.840	83.950	83.759	83.725	83.443
1193	76.853	75.910	72.486	73.578	75.545	74.368							84.249	83.858	83.964	83.359	83.842	83.640	83.861	83.845	83.922	83.764	83.730	83.449
1194	76.901	75.933	72.520	73.599	75.545	74.385							84.251	83.861	83.969	83.365	83.861	83.644	83.833	83.849	83.864	83.768	83.735	83.455
1195	76.888	75.956	72.538	73.620	75.575	74.402							84.223	83.863	83.959	83.371	83.879	83.647	83.837	83.854	83.867	83.772	83.678	83.462
1196	76.936	75.979	72.541	73.641	75.589	74.419							84.226	83.866	83.965	83.378	83.898	83.651	83.840	83.858	83.871	83.776	83.652	83.468
1197	76.983	76.002	72.529	73.662	75.620	74.435							84.228	83.869	83.955	83.384	83.901	83.655	83.844	83.863	83.874	83.781	83.657	83.474
1198	77.031	76.025	72.578	73.683	75.696	74.452							84.216	83.872	83.976	83.390	83.904	83.658	83.878	83.867	83.877	83.785	83.692	83.481
1199	77.048	76.048	72.596	73.704	75.695	74.469							84.234	83.875	83.997	83.397	83.907	83.662	83.918	83.872	83.941	83.789	83.728	83.487
1200	77.065	76.070	72.615	73.724	75.710	74.486							84.236	83.878	83.972	83.403	83.880	83.665	83.921	83.876	83.914	83.794	83.732	83.493
1201	77.082	76.093	72.633	73.745	75.740	74.503													83.955	83.881	83.917	83.798	83.737	83.500
1202	77.099	76.116	72.651	73.766	75.785	74.520													83.959	83.886	83.921	83.802	83.773	83.506
1203	77.146	76.138	72.685	73.787	75.785	74.537													83.932	83.890	83.862	83.806	83.777	83.512
1204	77.194	76.160	72.703	73.808	75.815	74.554													83.935	83.895	83.866	83.811	83.782	83.519
1205	77.303	76.183	72.737	73.829	75.830	74.570													83.939	83.899	83.899	83.815	83.910	83.525
1206	77.411	76.205	72.755	73.850	75.844	74.587													83.936	83.904	83.903	83.819	83.945	83.531
1207	77.428	76.227	72.789	73.871	75.844	74.604													83.970	83.908	83.967	83.824	83.950	83.538
1208	77.475	76.249	72.808	73.892	75.859	74.621													84.004	83.913	84.001	83.828	83.924	83.544
1209	77.553	76.271	72.841	73.913	75.889	74.638													84.007	83.917	84.004	83.832	83.990	83.550
1210	77.569	76.293	72.875	73.934	75.888	74.655													84.011	83.922	83.946	83.837	83.964	83.557
1211	77.617	76.315	72.894	73.955	75.903	74.672													84.014	83.927	83.980	83.841	83.908	83.563
1212	77.572	76.337	72.896	73.976	75.902	74.689													84.017	83.931	83.922	83.845	83.913	83.569

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1213	77.588	76.359	72.899	73.997	75.917	74.705													84.051	83.936	83.956	83.849	83.948	83.576
1214	77.635	76.380	72.949	74.018	75.917	74.722													84.086	83.940	83.990	83.854	83.983	83.582
1215	77.651	76.402	72.998	74.039	75.931	74.739													84.058	83.945	83.993	83.858	83.988	83.588
1216	77.728	76.423	73.047	74.060	75.931	74.756													84.062	83.949	83.965	83.862	83.932	83.594
1217	77.776	76.446	73.034	74.081	75.946	74.773													84.096	83.954	83.938	83.867	83.967	83.601
1218	77.794	76.470	73.068	74.102	75.976	74.790													84.099	83.958	83.911	83.871	83.972	83.607
1219	77.842	76.494	73.071	74.123	76.006	74.807													84.103	83.963	83.914	83.875	83.977	83.613
1220	77.860	76.517	73.120	74.144	76.020	74.823													84.045	83.968	83.948	83.879	84.043	83.620
1221	77.847	76.541	73.123	74.165	76.020	74.840													84.018	83.972	83.890	83.884	84.017	83.626
1222	77.865	76.565	73.172	74.186	76.050	74.857													84.021	83.977	83.923	83.888	84.021	83.632
1223	77.883	76.588	73.191	74.207	76.080	74.874													84.055	83.981	83.896	83.892	83.963	83.639
1224	77.900	76.612	73.209	74.228	76.125	74.891													84.089	83.986	83.869	83.897	83.967	83.645
1225	77.948	76.635	73.227	74.249	76.125	74.908													84.093	83.990	83.872	83.901	84.002	83.651
1226	77.966	76.658	73.230	74.270	76.140	74.925													84.096	83.995	83.875	83.905	83.975	83.658
1227	78.014	76.682	73.279	74.291	76.154	74.942													84.130	83.999	83.878	83.909	84.010	83.664
1228	78.062	76.705	73.329	74.312	76.184	74.958													84.133	84.004	83.851	83.914	84.014	83.670
1229	78.049	76.728	73.332	74.333	76.215	74.975													84.137	84.009	83.854	83.918	83.987	83.676
1230	78.036	76.751	73.350	74.354	76.214	74.992													84.233	84.013	83.857	83.922	83.989	83.679
1231	78.022	76.774	73.399	74.375	76.229	75.009													84.236	84.018	83.861	83.927	83.900	83.682
1232	78.040	76.797	73.433	74.396	76.228	75.026													84.240	84.022	83.894	83.931	83.933	83.686
1233	78.057	76.820	73.466	74.417	76.228	75.043													84.243	84.027	83.867	83.935	83.966	83.689
1234	78.105	76.843	73.485	74.438	76.227	75.060													84.247	84.031	83.870	83.939	83.999	83.693
1235	78.091	76.866	73.518	74.459	76.227	75.076													84.256	84.036	83.843	83.944	84.033	83.696
1236	78.108	76.889	73.506	74.480	76.272	75.093													84.259	84.040	83.815	83.948	84.035	83.699
1237	78.125	76.912	73.509	74.501	76.302	75.110													84.201	84.045	83.788	83.952	84.007	83.703
1238	78.234	76.935	73.527	74.522	76.347	75.127													84.205	84.050	83.822	83.957	84.010	83.706
1239	78.313	76.957	73.546	74.543	76.316	75.144													84.208	84.054	83.886	83.961	84.043	83.710
1240	78.268	76.980	73.595	74.564	76.316	75.161													84.242	84.059	83.890	83.965	84.015	83.713
1241	78.285	77.002	73.659	74.585	76.346	75.178													84.215	84.063	83.893	83.970	84.048	83.716
1242	78.302	77.025	73.678	74.606	76.360	75.195													84.188	84.068	83.896	83.974	84.081	83.720
1243	78.380	77.047	73.711	74.627	76.391	75.211													84.191	84.072	83.899	83.978	84.114	83.723
1244	78.397	77.070	73.730	74.648	76.375	75.228													84.164	84.077	83.872	83.982	84.147	83.727

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1245	78.383	77.092	73.748	74.669	76.389	75.245													84.167	84.081	83.875	83.987	84.150	83.730
1246	78.339	77.114	73.751	74.690	76.404	75.262													84.171	84.086	83.878	83.991	84.091	83.733
1247	78.386	77.137	73.785	74.711	76.419	75.279													84.205	84.091	83.881	83.995	84.094	83.737
1248	78.403	77.159	73.803	74.732	76.418	75.296													84.177	84.095	83.885	84.000	84.127	83.740
1249	78.419	77.181	73.837	74.752	76.433	75.313													84.211	84.100	83.980	84.004	84.160	83.744
1250	78.436	77.203	73.855	74.773	76.448	75.330													84.246	84.104	84.014	84.008	84.224	83.747
1251	78.422	77.225	73.889	74.794	76.463	75.346													84.249	84.109	83.986	84.012	84.227	83.751
1252	78.469	77.247	73.938	74.815	76.447	75.363													84.283	84.113	84.051	84.017	84.229	83.754
1253	78.455	77.269	73.987	74.836	76.446	75.380													84.315	84.116	84.115	84.021	84.232	83.757
1254	78.440	77.291	74.006	74.857	76.461	75.397													84.317	84.118	84.088	84.025	84.265	83.761
1255	78.457	77.313	74.055	74.878	76.537	75.414													84.288	84.120	84.060	84.030	84.237	83.764
1256	78.442	77.335	74.088	74.899	76.537	75.431													84.290	84.123	84.064	84.034	84.239	83.768
1257	78.459	77.356	74.137	74.920	76.536	75.448													84.292	84.125	84.098	84.038	84.273	83.771
1258	78.475	77.378	74.156	74.941	76.566	75.464													84.294	84.128	84.101	84.042	84.183	83.774
1259	78.461	77.400	74.159	74.962	76.581	75.481													84.234	84.130	84.073	84.047	84.186	83.778
1260	78.446	77.421	74.162	74.983	76.596	75.498													84.205	84.132	84.077	84.051	84.188	83.781
1261	78.493	77.443	74.180	75.004	76.610	75.515													84.324	84.135	84.080	84.055	84.160	83.785
1262	78.478	77.464	74.214	75.025	76.625	75.532													84.326	84.137	84.052	84.060	84.193	83.788
1263	78.464	77.486	74.232	75.046	76.640	75.549													84.236	84.139	84.086	84.064	84.226	83.791
1264	78.449	77.507	74.296	75.067	76.639	75.566													84.268	84.142	84.059	84.068	84.198	83.795
1265	78.465	77.528	74.315	75.088	76.654	75.583													84.301	84.144	84.062	84.073	84.201	83.798
1266	78.481	77.549	74.333	75.109	76.669	75.599													84.333	84.147	84.065	84.077	84.142	83.802
1267	78.435	77.571	74.367	75.130	76.668	75.616													84.335	84.149	84.099	84.081	84.145	83.805
1268	78.482	77.592	74.401	75.151	76.668	75.633													84.337	84.151	84.164	84.085	84.147	83.808
1269	78.498	77.613	74.450	75.172	76.682	75.650													84.338	84.154	84.105	84.090	84.180	83.812
1270	78.483	77.634	74.483	75.193	76.713	75.667													84.371	84.156	84.139	84.094	84.183	83.815
1271	78.529	77.655	74.548	75.214	76.712	75.684													84.403	84.158	84.112	84.098	84.216	83.819
1272	78.514	77.676	74.597	75.235	76.742	75.701													84.405	84.161	84.146	84.103	84.249	83.822
1273	78.561	77.697	74.631	75.256	76.741	75.718													84.376	84.163	84.149	84.107	84.252	83.826
1274	78.576	77.717	74.634	75.277	76.756	75.734													84.439	84.166	84.152	84.111	84.193	83.829
1275	78.622	77.738	74.652	75.298	76.786	75.751													84.410	84.168	84.125	84.115	84.134	83.832
1276	78.638	77.759	74.640	75.319	76.816	75.768													84.381	84.170	84.128	84.120	84.168	83.836

Tiempo (s)	Papa1e	Papa1p	Papa2e	Papa2p	Papa3e	Papa3p	Olluco1e	Olluco1p	Olluco2e	Olluco2p	Olluco3e	Olluco3p	Isaño1e	Isaño1p	Isaño2e	Isaño2p	Isaño3e	Isaño3p	Oca1e	Oca1p	Oca2e	Oca2p	Oca3e	Oca3p
1277	78.653	77.780	74.643	75.340	76.816	75.785													84.414	84.173	84.070	84.124	84.201	83.839
1278	78.669	77.800	74.646	75.361	76.831	75.802													84.416	84.175	84.012	84.128	84.203	83.843
1279	78.684	77.821	74.664	75.382	76.845	75.819													84.356	84.177	84.015	84.133	84.175	83.846
1280	78.700	77.841	74.667	75.403	76.829	75.836													84.389	84.180	84.110	84.137	84.178	83.849
1281	78.715	77.862	74.716	75.424	76.844	75.852													84.391	84.182	84.144	84.141	84.150	83.853
1282	78.761	77.882	74.734	75.445	76.874	75.869													84.392	84.185	84.086	84.145	84.152	83.856
1283	78.746	77.902	74.737	75.466	76.874	75.886													84.455	84.187	84.028	84.150	84.186	83.860
1284	78.730	77.923	74.771	75.487	76.889	75.903													84.427	84.189	84.061	84.152	84.188	83.863
1285	78.807	77.943	74.805	75.508	76.919	75.920													84.428	84.192	84.093	84.155	84.221	83.866
1286	78.791	77.963	74.839	75.529	76.918	75.937													84.399	84.194	84.125	84.157	84.193	83.870
1287	78.806	77.983	74.857	75.550	76.933	75.954													84.401	84.196	84.127	84.159	84.226	83.873
1288	78.852	78.003	74.906	75.571	76.994	75.971													84.403	84.199	84.129	84.161	84.168	83.877
1289	78.836	78.023	74.924	75.592	76.993	75.987													84.405	84.201	84.069	84.164	84.170	83.880
1290	78.913	78.043	74.943	75.613	77.008	76.004													84.406	84.203	84.071	84.166	84.173	83.884
1291	78.897	78.063	74.930	75.634	77.023	76.021													84.408	84.206	84.103	84.168	84.114	83.887
1292	78.942	78.083	74.964	75.655	77.022	76.038													84.410	84.208	84.074	84.170	84.055	83.890
1293	78.988	78.103	74.998	75.676	77.037	76.055													84.442	84.211	84.076	84.173	84.089	83.894
1294	79.003	78.123	75.016	75.697	77.067	76.072													84.475	84.213	84.108	84.175	84.091	83.897
1295	79.048	78.142	75.065	75.718	77.082	76.089													84.507	84.215	84.110	84.177	84.124	83.901
1296	79.063	78.162	75.083	75.739	77.112	76.105													84.509	84.218	84.112	84.179	84.157	83.904
1297	79.078	78.182	75.148	75.759	77.096	76.122													84.449	84.220	84.052	84.182	84.129	83.907
1298	79.062	78.201	75.151	75.780	77.065	76.139													84.451	84.222	84.084	84.184	84.101	83.911
1299	79.137	78.221	75.154	75.801	77.079	76.156													84.484	84.225	84.117	84.186	84.104	83.914
1300	79.183	78.240	75.203	75.822	77.094	76.173													84.516	84.227	84.118	84.188	84.076	83.918
1301	79.197	78.259	75.252	75.843	77.124	76.190													84.579	84.230	84.120	84.191	84.078	83.921
1302	79.181	78.279	75.270	75.864	77.124	76.207													84.581	84.232	84.091	84.193	84.081	83.924
1303	79.165	78.298	75.319	75.885	77.154	76.224													84.583	84.234	84.062	84.195	84.114	83.928
1304	79.149	78.317	75.338	75.906	77.168	76.240													84.584	84.237	84.064	84.197	84.117	83.931
1305	79.163	78.337	75.356	75.927	77.199	76.257													84.617	84.239	84.066	84.200	83.965	83.935
1306	79.147	78.356	75.390	75.948	77.198	76.274													84.588	84.241	84.067	84.202	83.968	83.938
1307	79.130	78.375	75.423	75.969	77.213	76.291													84.590	84.244	84.100	84.204	83.970	83.941
1308	79.114	78.394	75.457	75.990	77.227	76.308													84.622	84.246	84.101	84.206	84.004	83.945

