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# Benchmarking for Computer-based Segmentation of Sketches

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**Abstract**
*This Technical Note describes the production of a benchmarking set of sketches for segmentation algorithms. The goal is to determine what human beings perceive. We have created a set of sketched drawings and have asked people to segment them. By analysis of the produced segmentations, we have obtained the number and locations of the segmentation points which people perceive.*

*Index Terms: Sketch recognition. Low level ink processing and pen stroke segmentation*

## 1. Introduction

When evaluating new segmentation approaches, one common strategy is simply comparing the number of segmentation points obtained by the new approach with the number of segmentation points which the "theoretical" shape possesses (by "theoretical" we mean the ideal primitives obtained from a line drawing by applying a well-defined set of topological and geometrical constraints).

In reality, we cannot assume that a sketched line drawing on paper will always contain exactly the same number and type of segments as the "perfect" line drawing which existed only in the mind's eye of the drawing's creator. The total number of segments may vary, both because of imperfections in the sketch itself and because of differences between geometrical and perceptual interpretation of sketches. The types of perceived segments may also vary: for example, a sketched arc of large radius may be perceived as a straight line.

Most of the approaches described in the literature ([1], [2], [3], [4], ...) attempt to solve this problem by requiring the user to provide additional information. However, humans are able to segment sketches without requiring such extra information. It is reasonable to foresee, and prepare for, the day when advances in cognitive science result in automated approaches which come close to matching human performance. When they do, we shall require benchmarking criteria to evaluate such approaches

This technical report offers guidance for obtaining the number and locations of the segmentation points which people perceive in a set of sketched drawings.

## 2. Design of the experiment

Since our experiments are aimed at finding how humans segment sketched drawings, the core of our experiment is of necessity (a) to produce a set of drawings and (b) to ask people to segment them.

Three different experiments are required, as we distinguish three types of drawings:

1. Single orthographic views. These are not used as input in any existing sketch-based modelling application, but they nevertheless constitute a segmentation problem. They have the advantage of simplicity, and are useful for detecting very bad segmentation strategies and/ or approaches.
2. Multiple orthographic views. This is the input format used in some existing SBIM systems. For example, we can hypothesise that segmentation strategies which combine the views and analyse the resulting 3D shape will be more successful than those which simply scrutinise the separate views.
3. Axonometric or perspective views. This is the input format used in most existing SBIM systems and includes several segmentations point types which can not be found in single orthographic views.

Each experiment consists of three main stages: (a) production of sketches, (b) segmentation and (c) measurement.

### 2.1 Production of sketches

The production process was divided into two steps: (a) choosing the suitable drawings; and (b) obtaining versions of different quality.

To choose suitable drawings, we first stablished the criteria that sketches should meet:

- the sketch must not be too simple (if segmentation is easy, any reasonable approach will process it correctly, and the benchmark is meaningless)
- the sketch must not be too complex (if the majority of humans cannot agree on an interpretation, there is no "human performance" to be duplicated)
- the sketch must not be perfect (we are interested in the human ability to interpret freehand sketches, not in the application of simple geometrical rules)
- the sketch must not be too imperfect (we must be able to reach a consensus as to whether an imperfection is deliberate or accidental)
- the sketches must, as a set, contain examples of all of the common cases where curves meet planar faces (see, for example chapter 7 of Cooper's book [5])
- the sketches must be representative of real engineering drawings (to avoid the problem of "gaming the system", where an approach obtains high benchmark scores but does not perform well with a larger set of real drawings)

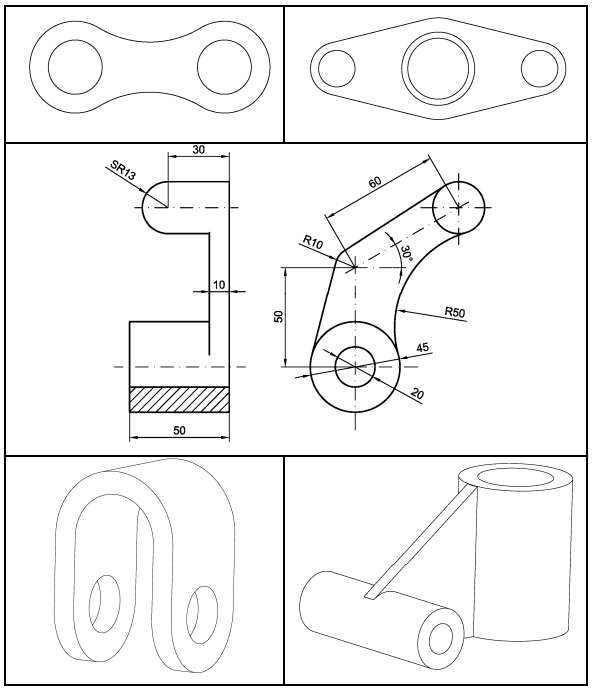



Figure 1: Line drawings resulting from tentative sketches: single orthographic views (upper row), multiple ortho-graphic views (middle), and axonometric views (lower).

Then, we reviewed figures from the literature and created our own large initial set of figures. By circulating them to all of the members of the research team for comment we obtained a reduced but diverse set (note that although this step is subjective, it does not greatly affect the reproducibility of the procedure, as we found in practice that there was general consensus over which figures would be most useful for our purposes). After some iterations of this step, we finally reduced the test set to the standard CAD drawings shown in figure 1.

To obtain versions of different quality, we asked other people from the research team to draw sketches reproducing the CAD drawings obtained in the previous step (figure 1). All the sketches were drawn in standard sheets marked with a 15 x 15 cm square frame, in order to encourage the sketchers to draw sketches with similar sizes and proportions. The same frame was later useful as a reference system to measure the location of segmentation points.

The members of the research team evaluated the quality of the sketches and scored them from poor to good. The sketches corresponding to the "fork" model are shown in figure 2.

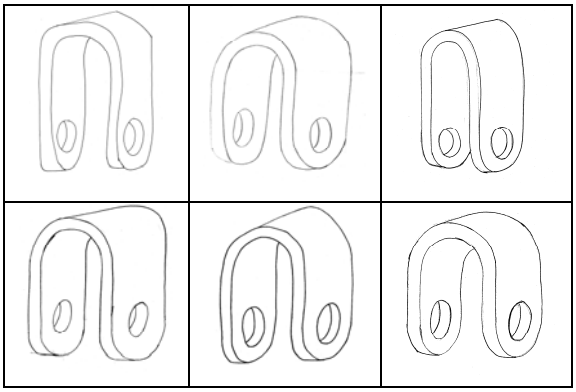


Figure 2: Poor (upper left) to good (lower right) sketched versions of the fork drawing of figure 1.

From the resulting set of drawings, we selected those we needed for the three experiments.

In order to evaluate the effects of input quality, we analysed the perception of segmentation in different versions of the same drawing. For this purpose, we chose one *poor,* one *average* and one *good* version of the two sketches of single orthographic views, "chain plate" and "pipe flange", as shown in figure 3. Each volunteer segmenter was given only one of the three chain plate sketches and only one of the three pipe flange sketches.

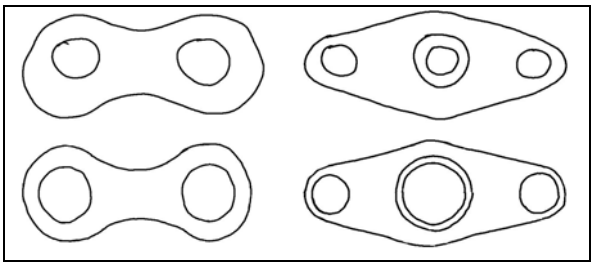


Figure 3: Poor (top) to good (bottom) quality sketches.

For comparison purposes, the segmenters were also asked to segment line drawings of both the chain plate and

the pipe flange. The line drawings were given to the segmenters only after they had finished segmenting the sketches, to avoid those images influencing their perception of the sketches.

In order to evaluate the influence of other lines, we compared the differences in perception of a drawing containing only edges, and the same drawing containing auxiliary lines (axis, hatching, dimensions, etc). For this test, we chose an *average* quality sketch of multiple orthographic views, and deleted auxiliary lines to obtain a "clean" version (figure 4). Half of the segmenters were asked to segment the original sketch, while the other half were asked to segment the "clean" version.

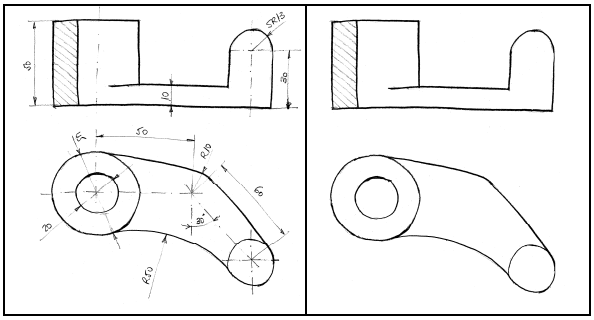


Figure 4: Original (left) and "cleaned" version of the multiple orthographic views rocker arm sketch.

In order to evaluate understanding of axonometric views, *average* quality versions of the two selected drawings were given to the segmenters (figure 5).

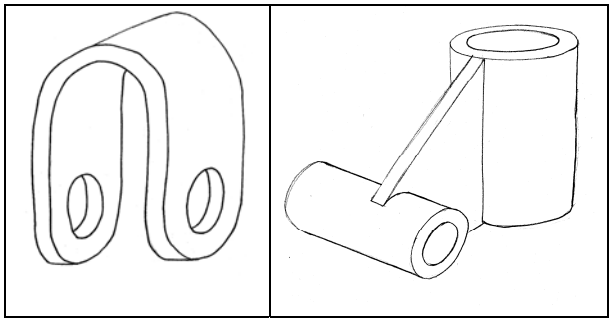


Figure 5: Average sketches of fork and hinge axonometric drawings.

### 2.2 Segmentation

During the segmentation of the final set of sketches, each segmenter was asked to segment a small subset of the full set of sketches, in order to avoid wearying the subject. The figures assigned to each particular subject were chosen randomly, to avoid subjective grouping of similar or dissimilar figures.

In the first experiment, we asked the segmenters to segment the sketches by marking the exact position of each segmentation points and indicating the type of each resulting segment (they were told in advance that only two types of segments were used: straight lines and circumference arcs). We also asked the segmenters to specify those cases where segments were tangential at the segmentation point. To illustrate what they were asked to do, an example was given together with a short textual explanation. Figure 6 contains the English translation of the original Spanish text.

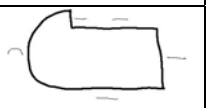
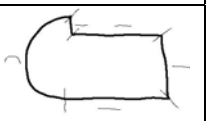
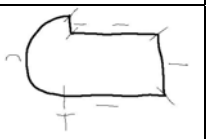
| | |
|---|---|
| The drawing inside the lower square is made by straight segments and circumference arcs<br>(as much as the model in the right side) |  |
| Mark the straight lines with a symbol —<br>and the circumference arcs by way of the symbol ⌒ |  |
| Mark the ends of segments and arcs, by way of a crossed line<br>Try to mark the exact position of the connexion! |  |
| Mark the tangent connexions with a "T" |  |
| ¡Mark only when you are sure! | |

Figure 6: Instructions to answer the first test.

We modified the explanatory test for the second and third experiment to simplify it, as we discovered that the term "arc" used in the explanation of experiment 1 was misinterpreted by many people as excluding "circle". Many people segmented the full circles into two or even four arcs, not because they perceived any discontinuity in the lines, but because they thought that arcs were required.

We also found that many people misunderstood the instructions aimed at asking them to identify the type of each resulting segment (straight or curved). Finally, some people (mainly those without technical background) did not understand the concept of "tangency", so were unable to identify those segmentation points where a tangency condition appeared. As a result, that the experiments took longer than expected, and some of the information produced was unusable.

The new instructions (shown in figures 7 and 8.) reduced the abovementioned problems but did not fully avoided them, as some people still asked why the model in the figure 8 included the two upper segmentation points. They were told that these segmentation points marked the end of the straight vertical lines, not any segmentation of the "circle". We noted, in passing, that almost everybody perceived the closed curve as a circle (i.e. the feature of the 3D object), instead of the ellipse actually present in the 2D sketch.

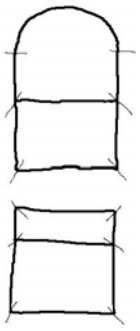
| | |
|---|---|
| The drawing located into the lower square is a hand drawn representation of a real part.<br>The part has been represented by way of straight lines and curves.<br>Mark the ending points of the straight lines and arcs in the drawing located into the lower square.<br>Put a crossed line, like those in the model of the right side.<br>If more than a solution exists, choose the simplest one. |  |

Figure 7: Instructions to answer the second test.

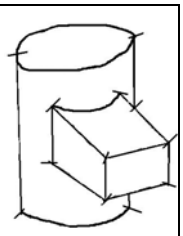
| | |
|---|---|
| The drawing located into the lower square is a hand drawn representation of a real part.<br>The part has been represented by way of straight lines and curves.<br>Mark the ending points of the straight lines and arcs in the drawing located into the lower square.<br>Put a crossed line, like those in the model of the right side.<br>If more than a solution exists, choose the simplest one. |  |

Figure 8: Instructions to answer the third test.

N.B. one segmentation point is missing in the example included to illustrate the third test (figure 8). This does not seem to have affected the results in any way.

### 2.3 Measurements

For the first experiment, segmenters were chosen from different profiles: from 11 to 69 years old, males and females, and a variety of technical drawing knowledge acquired in different formal education levels, ranging from primary school to university professors.

The information contained in the tests was collated in spreadsheet files. The information recorded was: identification of the subject (sex and age), level of technical drawing knowledge, number of segmentation points marked, and (x,y) coordinate pairs of each segmentation point.

The process we followed to obtain the coordinates was: a) scan the image as a bitmap; b) import the image into a CAD application and align its origin and the horizontal axis with those of the coordinates of the CAD application; c) mark the locations of the segmentation points and save their coordinates in layers corresponding to each segmentation point.

Before storing the coordinates, we first had to decide which segmentation points they belonged to. To do this, we first analysed all the answers and produced templates containing the different segmentation points, using frequency and position as our two criteria. The most frequently used segmentation points were numbered first. Points distant by more than a threshold from those previously marked were considered distinct. After analysing the results, some segmentation points were merged (for example, in figure 9, points A33 and A8 were merged when we noted that nobody had marked both).

A very small number of answers that we all agreed showed that the segmenter had misunderstood the experiment were compiled but not processed.

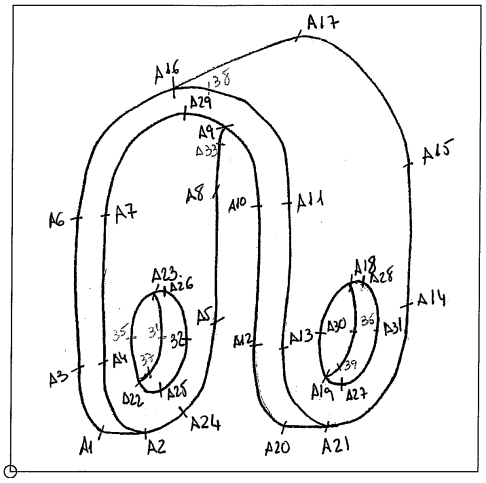
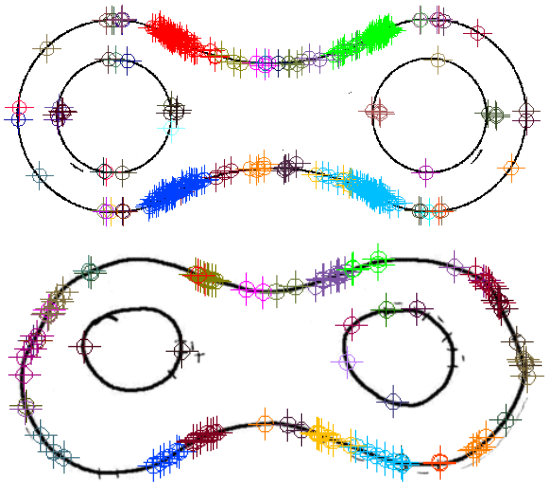



Figure 9: Template indicating the approximate locations of the different segmentation points introduced by different subjects.

## 3. Results

Full numerical results are tabulated in the tables included in the annexes.

Qualitative results for the chain plate of the experiment 1 are shown in figure 10, where all the segmentation points of the chain plate marked by all the interviewed subjects have been superimposed. Figure 10 allows comparisons between line drawings and sketches of *bad*, *average* and *good* quality.



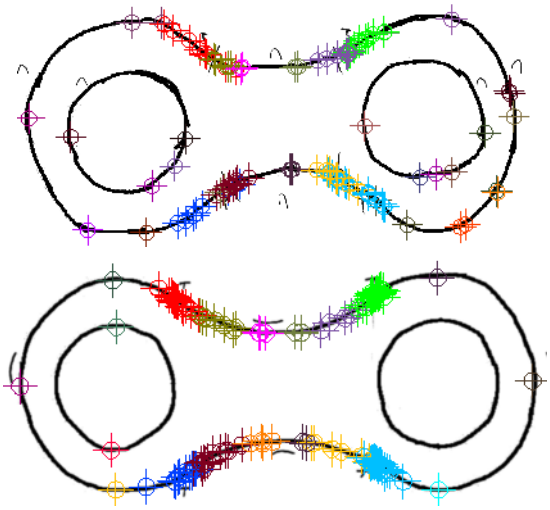


Figure 10: Chain plate: superimposition of all segmentation points marked by all interviewed subjects.

Figure 11 allows comparisons between line drawings and sketches of *bad*, *average* and *good* quality for the pipe flange.

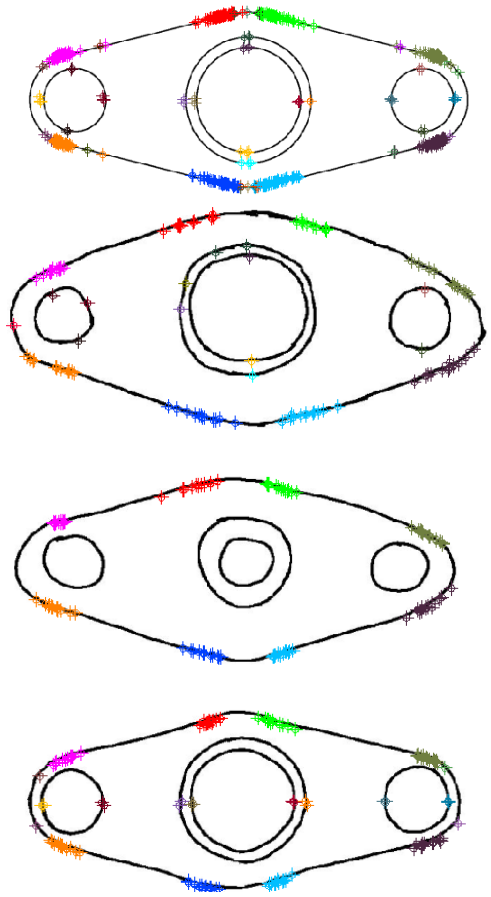


Figure 11: Pipe flange: Superimposition of all segmentation points marked by all interviewed subjects.

**4. Acknowledgments**

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**5. References**

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[3] Gennari, L., Kara, L.B., Stahovich, T.F., Shimada, K.: Combining geometry and domain knowledge to interpret hand-drawn diagrams. Computers and Graphics. Vol. 29 (4), pp. 547—562 (2005)

[4] Pu, J., Ramani, K.: Implicit geometric constraint detection in freehand sketches using relative shape histogram. Sketch-Based Interfaces and Modeling 2007 - ACM SIGGRAPH/Eurographics Symposium Proceedings, pp. 107--114 (2007)

[5] Cooper M.: Line Drawing Interpretation, Springer (2008)

**6. Annex**

This annex includes detailed information of the segmentation points marked by every segmenter in every one of the drawings included in this pilot test.

For all the examples, the information tabulated is:

- The label that identifies every segmenter.
- Age of the segmenter.
- Sex of the segmenter.
- Technological level of the segmenter:

  0- People with no technological knowledge at all.

  1- Students of secondary schools with technological orientation.

  2- Workshop workers.

  3- Engineering students (undergraduate level).

  4- Engineers and Engineering students (master level).

  5- Secondary schools teachers from the ambit of technology.

  6- University teachers from the ambit of engineering design.
- Label assigned to the point in the template indicating the approximate locations of the different segmentation points introduced by different subjects.

- X and Y coordinates, as measured from the origin (lower left corner) following the main directions (horizontal and vertical) of the 15 x 15 cm square frame drawn in standard A4 sheets given to the markers. Reduced size copies of the sheets are shown in the figures.

### 6.1 Segmentation points in the chain plate example

This annex includes detailed information of the segmentation points marked by every segmenter in the four variants (A, A1, A2, A3) of the chain plate.

**Segmentation of the experiment A**

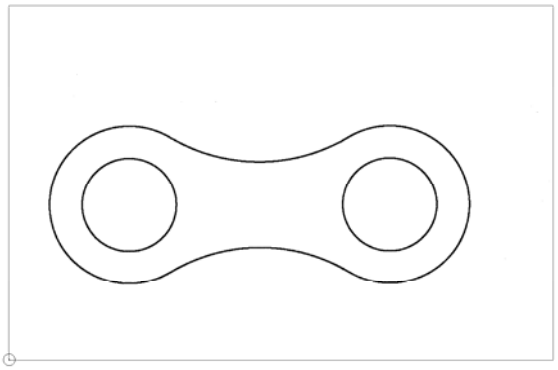

Figure 12: Chain plate line drawing given to the segmenters.

To be noticed that the frame of the line drawing, shown in figure 12, was not standard, it was 189 mm wide and 123 mm high.

Table 1: Segmentation points of the chain plate line drawing (experiment A).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 54 | M | 0 | A01 | 56,4841 | 77,5474 |
| 1 | 54 | M | 0 | A02 | 115,2337 | 76,3410 |
| 1 | 54 | M | 0 | A03 | 115,9746 | 32,0062 |
| 1 | 54 | M | 0 | A04 | 52,9809 | 29,1076 |
| 2 | 49 | F | 0 | A01 | 62,4437 | 74,3025 |
| 2 | 49 | F | 0 | A02 | 111,8816 | 74,7393 |
| 2 | 49 | F | 0 | A03 | 107,6195 | 35,6679 |
| 2 | 49 | F | 0 | A04 | 65,5835 | 35,1360 |
| 3 | 44 | M | 0 | A01 | 62,1076 | 74,0488 |
| 3 | 44 | M | 0 | A02 | 115,6004 | 76,2120 |
| 3 | 44 | M | 0 | A03 | 116,1488 | 31,2968 |
| 3 | 44 | M | 0 | A04 | 62,7918 | 34,0268 |
| 4 | 11 | M | 0 | A05 | 85,2725 | 69,4510 |
| 4 | 11 | M | 0 | A06 | 95,7885 | 69,9483 |
| 4 | 11 | M | 0 | A07 | 91,0719 | 39,2017 |
| 4 | 11 | M | 0 | A08 | 80,8348 | 39,0947 |
| 5 | 46 | M | 0 | A01 | 65,6499 | 73,1679 |
| 5 | 46 | M | 0 | A02 | 106,9374 | 72,5555 |
| 5 | 46 | M | 0 | A03 | 110,4100 | 34,4938 |
| 5 | 46 | M | 0 | A04 | 64,8990 | 35,3186 |
| 6 | 46 | F | 0 | A01 | 70,8799 | 71,1118 |
| 6 | 46 | F | 0 | A02 | 107,6965 | 72,7853 |
| 6 | 46 | F | 0 | A03 | 106,1257 | 35,8346 |
| 6 | 46 | F | 0 | A04 | 67,8051 | 36,0372 |
| 7 | 53 | F | 0 | A01 | 63,9333 | 73,7631 |
| 7 | 53 | F | 0 | A02 | 106,1815 | 72,2639 |
| 7 | 53 | F | 0 | A03 | 101,8898 | 37,3278 |
| 7 | 53 | F | 0 | A04 | 63,3955 | 34,1037 |
| 8 | 44 | F | 0 | A01 | 60,9719 | 75,1666 |
| 8 | 44 | F | 0 | A02 | 116,7830 | 77,0671 |
| 8 | 44 | F | 0 | A03 | 114,5508 | 32,5531 |
| 8 | 44 | F | 0 | A04 | 65,2812 | 35,4217 |
| 8 | 44 | F | 0 | A09 | 25,4832 | 54,5461 |
| 8 | 44 | F | 0 | A10 | 58,0123 | 55,0945 |
| 8 | 44 | F | 0 | A11 | 115,9966 | 55,6583 |
| 8 | 44 | F | 0 | A12 | 149,4080 | 54,9298 |
| 9 | 12 | F | 0 | A01 | 65,1708 | 73,2209 |
| 9 | 12 | F | 0 | A02 | 104,8532 | 71,6466 |
| 9 | 12 | F | 0 | A03 | 103,4042 | 36,8850 |
| 9 | 12 | F | 0 | A04 | 67,7541 | 35,8909 |
| 9 | 12 | F | 0 | A13 | 41,6454 | 81,5944 |
| 9 | 12 | F | 0 | A14 | 136,5697 | 81,3198 |
| 9 | 12 | F | 0 | A15 | 132,3672 | 26,6477 |
| 9 | 12 | F | 0 | A16 | 40,8679 | 26,7676 |
| 9 | 12 | F | 0 | A17 | 42,2883 | 70,3398 |
| 9 | 12 | F | 0 | A18 | 134,9036 | 70,2111 |
| 9 | 12 | F | 0 | A19 | 131,4287 | 37,9409 |
| 9 | 12 | F | 0 | A20 | 39,5550 | 38,1069 |
| 10 | 24 | F | 0 | A01 | 57,7496 | 76,6794 |
| 10 | 24 | F | 0 | A02 | 118,5618 | 77,2815 |
| 10 | 24 | F | 0 | A03 | 116,7731 | 31,0569 |
| 10 | 24 | F | 0 | A04 | 62,2751 | 33,2747 |
| 11 | 12 | M | 0 | A01 | 64,7208 | 73,0328 |
| 11 | 12 | M | 0 | A02 | 120,2009 | 78,2326 |
| 11 | 12 | M | 0 | A03 | 117,9318 | 30,2872 |
| 11 | 12 | M | 0 | A04 | 51,9112 | 28,1072 |
| 11 | 12 | M | 0 | A05 | 85,2346 | 68,6060 |
| 11 | 12 | M | 0 | A06 | 94,4657 | 68,9788 |
| 11 | 12 | M | 0 | A07 | 90,5809 | 38,6167 |
| 11 | 12 | M | 0 | A08 | 82,8877 | 38,5532 |
| 11 | 12 | M | 0 | A21 | 78,2879 | 69,2118 |
| 11 | 12 | M | 0 | A22 | 106,4476 | 71,7281 |
| 11 | 12 | M | 0 | A23 | 109,3485 | 34,4814 |
| 11 | 12 | M | 0 | A24 | 60,9230 | 32,6372 |
| 12 | 47 | M | 0 | | | |
| 13 | 69 | M | 0 | A01 | 58,5833 | 75,7854 |
| 13 | 69 | M | 0 | A02 | 114,5521 | 75,6965 |
| 13 | 69 | M | 0 | A03 | 115,4782 | 31,8133 |
| 13 | 69 | M | 0 | A04 | 61,6308 | 33,4426 |
| 14 | 30 | F | 0 | A01 | 58,6163 | 75,8502 |
| 14 | 30 | F | 0 | A02 | 118,5253 | 77,4730 |
| 14 | 30 | F | 0 | A03 | 116,7451 | 30,9465 |
| 14 | 30 | F | 0 | A04 | 53,9534 | 29,1983 |
| 14 | 30 | F | 0 | A21 | 76,2122 | 69,7045 |
| 14 | 30 | F | 0 | A22 | 100,9004 | 70,3197 |
| 14 | 30 | F | 0 | A23 | 99,7764 | 37,3225 |
| 14 | 30 | F | 0 | A24 | 71,1124 | 36,5999 |
| 15 | 11 | M | 0 | A01 | 52,7826 | 79,5299 |
| 15 | 11 | M | 0 | A02 | 107,5555 | 72,6165 |
| 15 | 11 | M | 0 | A03 | 116,4677 | 31,6291 |
| 15 | 11 | M | 0 | A04 | 57,6907 | 31,3638 |
| 15 | 11 | M | 0 | A25 | 22,4748 | 73,4824 |
| 15 | 11 | M | 0 | A26 | 146,3054 | 77,9300 |
| 15 | 11 | M | 0 | A27 | 155,9402 | 39,2719 |
| 15 | 11 | M | 0 | A28 | 20,3921 | 37,1554 |
| 16 | 15 | M | 0 | A05 | 86,2626 | 69,2666 |
| 16 | 15 | M | 0 | A06 | 91,8673 | 69,2666 |
| 16 | 15 | M | 0 | A07 | 92,0148 | 39,4884 |
| 16 | 15 | M | 0 | A08 | 84,9352 | 39,3410 |
| 16 | 15 | M | 0 | A31 | 41,1300 | 81,6497 |
| 16 | 15 | M | 0 | A32 | 44,2273 | 81,6497 |
| 16 | 15 | M | 0 | A33 | 129,6253 | 81,6497 |
| 16 | 15 | M | 0 | A34 | 135,0825 | 81,7971 |
| 16 | 15 | M | 0 | A35 | 135,9674 | 27,1053 |
| 16 | 15 | M | 0 | A36 | 130,0678 | 26,9579 |
| 16 | 15 | M | 0 | A37 | 44,2273 | 26,9579 |
| 16 | 15 | M | 0 | A38 | 38,9176 | 26,9579 |
| 16 | 15 | M | 0 | A39 | 14,2864 | 53,1982 |
| 16 | 15 | M | 0 | A40 | 14,5814 | 56,5888 |
| 16 | 15 | M | 0 | A41 | 160,3036 | 55,7043 |
| 16 | 15 | M | 0 | A42 | 160,3036 | 52,9033 |
| 16 | 15 | M | 0 | A43 | 40,2451 | 70,4460 |
| 16 | 15 | M | 0 | A44 | 45,7023 | 70,0037 |

| 16 | 15 | M | 0 | A45 | 58,2391 | 57,3258 |
|---|---|---|---|---|---|---|
| 16 | 15 | M | 0 | A46 | 58,2391 | 50,6921 |
| 16 | 15 | M | 0 | A47 | 44,2273 | 37,8668 |
| 16 | 15 | M | 0 | A48 | 38,9176 | 38,3090 |
| 16 | 15 | M | 0 | A49 | 25,7908 | 53,1982 |
| 16 | 15 | M | 0 | A50 | 26,0858 | 56,5888 |
| 17 | 48 | F | 0 | A01 | 58,3352 | 76,5065 |
| 17 | 48 | F | 0 | A02 | 120,0836 | 78,8671 |
| 17 | 48 | F | 0 | A03 | 116,6346 | 31,6603 |
| 17 | 48 | F | 0 | A04 | 56,8030 | 30,8515 |
| 17 | 48 | F | 0 | A05 | 82,7270 | 69,4222 |
| 17 | 48 | F | 0 | A06 | 92,1498 | 69,3610 |
| 17 | 48 | F | 0 | A07 | 90,8649 | 39,2113 |
| 17 | 48 | F | 0 | A08 | 83,3389 | 39,1501 |
| 17 | 48 | F | 0 | A29 | 85,2456 | 69,3264 |
| 17 | 48 | F | 0 | A30 | 89,0281 | 69,3070 |
| 17 | 48 | F | 0 | A31 | 39,6337 | 81,5759 |
| 17 | 48 | F | 0 | A32 | 43,8405 | 81,6756 |
| 17 | 48 | F | 0 | A33 | 130,0095 | 81,7310 |
| 17 | 48 | F | 0 | A34 | 134,6122 | 81,8103 |
| 17 | 48 | F | 0 | A35 | 135,2434 | 26,9292 |
| 17 | 48 | F | 0 | A36 | 129,4250 | 27,0335 |
| 17 | 48 | F | 0 | A37 | 44,5232 | 26,7805 |
| 17 | 48 | F | 0 | A38 | 39,6779 | 26,8093 |
| 18 | 25 | F | 4 | A01 | 57,5086 | 77,5798 |
| 18 | 25 | F | 4 | A02 | 116,0567 | 77,0445 |
| 18 | 25 | F | 4 | A03 | 115,8782 | 31,7285 |
| 18 | 25 | F | 4 | A04 | 56,6161 | 32,0853 |
| 19 | 0 | M | 4 | A01 | 55,2840 | 78,6741 |
| 19 | 0 | M | 4 | A02 | 117,9774 | 78,9071 |
| 19 | 0 | M | 4 | A03 | 115,7757 | 32,3809 |
| 19 | 0 | M | 4 | A04 | 58,7354 | 32,9823 |
| 20 | 26 | M | 4 | A01 | 54,8295 | 79,5805 |
| 20 | 26 | M | 4 | A02 | 115,2111 | 76,1748 |
| 20 | 26 | M | 4 | A03 | 116,4239 | 31,8740 |
| 20 | 26 | M | 4 | A04 | 50,9263 | 29,7421 |
| 21 | 25 | F | 4 | A01 | 58,9375 | 77,1415 |
| 21 | 25 | F | 4 | A02 | 118,1731 | 77,4313 |
| 21 | 25 | F | 4 | A03 | 115,5382 | 32,2229 |
| 21 | 25 | F | 4 | A04 | 61,2034 | 34,6626 |
| 22 | 30 | M | 4 | A01 | 59,1863 | 76,4273 |
| 22 | 30 | M | 4 | A02 | 117,2038 | 78,0269 |
| 22 | 30 | M | 4 | A03 | 117,3825 | 31,6614 |
| 22 | 30 | M | 4 | A04 | 58,9140 | 32,5925 |
| 23 | 25 | M | 4 | A01 | 57,4703 | 78,4571 |
| 23 | 25 | M | 4 | A02 | 119,3209 | 78,4445 |
| 23 | 25 | M | 4 | A03 | 114,4887 | 33,3658 |
| 23 | 25 | M | 4 | A04 | 55,8584 | 32,0289 |
| 24 | 22 | M | 4 | A01 | 58,1937 | 77,9821 |
| 24 | 22 | M | 4 | A02 | 117,2047 | 77,2327 |
| 24 | 22 | M | 4 | A03 | 112,5623 | 34,4109 |
| 24 | 22 | M | 4 | A04 | 55,7257 | 31,9378 |
| 25 | 24 | F | 4 | A01 | 69,5476 | 72,8882 |
| 25 | 24 | F | 4 | A02 | 119,1505 | 77,9035 |
| 25 | 24 | F | 4 | A03 | 115,6561 | 32,5090 |
| 25 | 24 | F | 4 | A04 | 63,5235 | 35,6200 |
| 26 | 27 | M | 4 | A01 | 56,1030 | 78,9012 |
| 26 | 27 | M | 4 | A02 | 119,8952 | 78,3807 |
| 26 | 27 | M | 4 | A03 | 121,1783 | 29,2714 |
| 26 | 27 | M | 4 | A04 | 54,7525 | 31,0977 |
| 27 | 32 | M | 2 | A01 | 70,8448 | 71,4008 |
| 27 | 32 | M | 2 | A02 | 120,5753 | 79,0182 |
| 27 | 32 | M | 2 | A03 | 118,4009 | 30,3898 |
| 27 | 32 | M | 2 | A04 | 66,9357 | 35,6729 |
| 28 | 33 | M | 2 | A01 | 56,0214 | 78,0569 |
| 28 | 33 | M | 2 | A02 | 118,0647 | 77,9627 |
| 28 | 33 | M | 2 | A03 | 111,8525 | 34,0830 |
| 28 | 33 | M | 2 | A04 | 61,4639 | 33,7589 |
| 29 | 46 | M | 2 | A01 | 53,6447 | 79,3757 |
| 29 | 46 | M | 2 | A02 | 107,9086 | 73,6176 |
| 29 | 46 | M | 2 | A03 | 116,8263 | 31,7148 |
| 29 | 46 | M | 2 | A04 | 62,6311 | 34,4840 |
| 29 | 46 | M | 2 | A22 | 97,8571 | 70,7865 |
| 29 | 46 | M | 2 | A23 | 107,8343 | 36,0387 |
| 29 | 46 | M | 2 | A24 | 75,5116 | 38,5650 |

| 29 | 46 | M | 2 | A32 | 44,1531 | 82,0013 |
|---|---|---|---|---|---|---|
| 30 | 44 | M | 2 | A01 | 55,9068 | 77,9500 |
| 30 | 44 | M | 2 | A02 | 115,3449 | 77,0546 |
| 30 | 44 | M | 2 | A03 | 118,1841 | 30,7154 |
| 30 | 44 | M | 2 | A04 | 55,5319 | 30,9616 |
| 31 | 34 | M | 4 | A01 | 57,3308 | 77,2263 |
| 31 | 34 | M | 4 | A02 | 116,0902 | 77,5688 |
| 31 | 34 | M | 4 | A03 | 114,2058 | 33,0508 |
| 31 | 34 | M | 4 | A04 | 56,0460 | 31,2530 |
| 32 | 19 | M | 3 | A01 | 57,2727 | 77,1325 |
| 32 | 19 | M | 3 | A02 | 116,1176 | 77,4936 |
| 32 | 19 | M | 3 | A03 | 114,2092 | 33,0650 |
| 32 | 19 | M | 3 | A04 | 55,9911 | 31,2569 |
| 33 | 19 | F | 3 | A01 | 62,8474 | 74,8873 |
| 33 | 19 | F | 3 | A02 | 119,7048 | 78,7163 |
| 33 | 19 | F | 3 | A03 | 120,5466 | 30,2181 |
| 33 | 19 | F | 3 | A04 | 62,7469 | 33,9368 |
| 33 | 19 | F | 3 | A21 | 72,6596 | 71,5956 |
| 33 | 19 | F | 3 | A22 | 111,5055 | 74,6186 |
| 33 | 19 | F | 3 | A23 | 109,9092 | 35,3719 |
| 33 | 19 | F | 3 | A24 | 73,5237 | 37,8834 |
| 34 | 19 | F | 3 | A01 | 59,0007 | 76,8280 |
| 34 | 19 | F | 3 | A02 | 120,2602 | 78,8506 |
| 34 | 19 | F | 3 | A03 | 121,0122 | 29,9272 |
| 34 | 19 | F | 3 | A04 | 59,1914 | 31,8602 |
| 35 | 19 | M | 3 | A01 | 59,8832 | 76,4390 |
| 35 | 19 | M | 3 | A02 | 117,2718 | 77,1355 |
| 35 | 19 | M | 3 | A03 | 116,9188 | 32,0603 |
| 35 | 19 | M | 3 | A04 | 61,5943 | 33,1930 |
| 36 | 19 | F | 3 | A01 | 59,3652 | 76,6206 |
| 36 | 19 | F | 3 | A02 | 120,4091 | 79,1485 |
| 36 | 19 | F | 3 | A03 | 113,8230 | 33,7371 |
| 36 | 19 | F | 3 | A04 | 57,2653 | 31,0414 |
| 37 | 19 | F | 3 | A01 | 60,8124 | 75,7035 |
| 37 | 19 | F | 3 | A02 | 112,2691 | 74,7827 |
| 37 | 19 | F | 3 | A03 | 113,1824 | 33,7571 |
| 37 | 19 | F | 3 | A04 | 65,4783 | 35,1786 |
| 38 | 19 | M | 3 | A01 | 55,9521 | 78,6010 |
| 38 | 19 | M | 3 | A02 | 115,8560 | 76,7349 |
| 38 | 19 | M | 3 | A03 | 115,7403 | 32,7009 |
| 38 | 19 | M | 3 | A04 | 59,1631 | 32,3439 |
| 39 | 19 | M | 3 | A01 | 64,9201 | 74,2035 |
| 39 | 19 | M | 3 | A02 | 115,3342 | 76,6244 |
| 39 | 19 | M | 3 | A03 | 116,5003 | 32,5996 |
| 39 | 19 | M | 3 | A04 | 64,3818 | 35,1101 |
| 40 | 19 | M | 3 | A01 | 54,7088 | 79,4951 |
| 40 | 19 | M | 3 | A02 | 120,6509 | 79,4590 |
| 40 | 19 | M | 3 | A03 | 123,5647 | 29,1463 |
| 40 | 19 | M | 3 | A04 | 52,1986 | 28,8392 |
| 41 | 19 | M | 3 | A01 | 61,3185 | 76,0542 |
| 41 | 19 | M | 3 | A02 | 115,7651 | 77,0534 |
| 41 | 19 | M | 3 | A03 | 117,9498 | 31,9964 |
| 41 | 19 | M | 3 | A04 | 61,6296 | 33,8367 |
| 42 | 19 | M | 3 | A01 | 60,4579 | 76,1586 |
| 42 | 19 | M | 3 | A02 | 118,5767 | 78,0564 |
| 42 | 19 | M | 3 | A03 | 118,1067 | 31,5272 |
| 42 | 19 | M | 3 | A04 | 54,4879 | 29,5876 |
| 43 | 19 | M | 3 | A01 | 57,0294 | 77,7808 |
| 43 | 19 | M | 3 | A02 | 107,9588 | 73,0553 |
| 43 | 19 | M | 3 | A03 | 111,4872 | 34,7041 |
| 43 | 19 | M | 3 | A04 | 57,0881 | 30,9367 |
| 44 | 19 | M | 3 | A01 | 60,7609 | 75,6864 |
| 44 | 19 | M | 3 | A02 | 110,2697 | 73,8554 |
| 44 | 19 | M | 3 | A03 | 109,7608 | 35,4093 |
| 44 | 19 | M | 3 | A04 | 58,5257 | 31,4686 |
| 45 | 19 | M | 3 | A01 | 59,0854 | 76,4447 |
| 45 | 19 | M | 3 | A02 | 115,0214 | 76,4343 |
| 45 | 19 | M | 3 | A03 | 118,7460 | 30,9663 |
| 45 | 19 | M | 3 | A04 | 65,3945 | 35,1907 |
| 46 | 19 | M | 3 | A01 | 53,5955 | 79,3731 |
| 46 | 19 | M | 3 | A02 | 118,3574 | 77,9085 |
| 46 | 19 | M | 3 | A03 | 119,1287 | 30,5848 |
| 46 | 19 | M | 3 | A04 | 56,6288 | 30,4782 |
| 47 | 19 | F | 3 | A01 | 58,4596 | 76,8168 |
| 47 | 19 | F | 3 | A02 | 111,2065 | 74,2580 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 47 | 19 | F | 3 | A03 | 110,2316 | 34,9631 |
| 47 | 19 | F | 3 | A04 | 57,2769 | 31,0510 |
| 48 | 44 | M | 6 | A01 | 55,1343 | 79,5480 |
| 48 | 44 | M | 6 | A02 | 119,4726 | 77,8267 |
| 48 | 44 | M | 6 | A03 | 121,0137 | 28,9970 |
| 48 | 44 | M | 6 | A04 | 53,4544 | 30,2929 |
| 49 | 43 | M | 6 | A01 | 61,2779 | 76,1295 |
| 49 | 43 | M | 6 | A02 | 117,8843 | 76,8879 |
| 49 | 43 | M | 6 | A03 | 115,4883 | 32,5158 |
| 49 | 43 | M | 6 | A04 | 61,5490 | 34,2048 |
| 50 | 41 | M | 6 | A01 | 58,0073 | 77,0128 |
| 50 | 41 | M | 6 | A02 | 119,7881 | 78,9123 |
| 50 | 41 | M | 6 | A03 | 119,6473 | 30,4655 |
| 50 | 41 | M | 6 | A04 | 58,3713 | 31,6050 |
| 51 | 52 | M | 6 | A01 | 58,3264 | 77,0408 |
| 51 | 52 | M | 6 | A02 | 117,7485 | 77,6743 |
| 51 | 52 | M | 6 | A03 | 116,7185 | 32,1375 |
| 51 | 52 | M | 6 | A04 | 59,2771 | 32,2959 |
| 52 | 37 | F | 6 | A01 | 60,5091 | 75,8816 |
| 52 | 37 | F | 6 | A02 | 116,2610 | 76,9762 |
| 52 | 37 | F | 6 | A03 | 114,7676 | 33,5886 |
| 52 | 37 | F | 6 | A04 | 59,3144 | 32,2949 |
| 53 | 44 | M | 6 | A01 | 55,1531 | 80,4355 |
| 53 | 44 | M | 6 | A02 | 121,6174 | 78,7160 |
| 53 | 44 | M | 6 | A03 | 118,4464 | 31,9566 |
| 53 | 44 | M | 6 | A04 | 54,0894 | 30,1888 |
| 53 | 44 | M | 6 | A09 | 26,9711 | 55,5273 |
| 53 | 44 | M | 6 | A10 | 59,6900 | 55,0362 |
| 53 | 44 | M | 6 | A11 | 118,1516 | 55,4291 |
| 53 | 44 | M | 6 | A12 | 151,5582 | 54,6434 |
| 54 | 30 | M | 6 | A01 | 62,6611 | 76,4245 |
| 54 | 30 | M | 6 | A02 | 116,0281 | 75,7760 |
| 54 | 30 | M | 6 | A03 | 118,2625 | 32,0427 |
| 54 | 30 | M | 6 | A04 | 64,0993 | 35,3497 |
| 54 | 30 | M | 6 | A09 | 27,2090 | 55,3473 |
| 54 | 30 | M | 6 | A10 | 59,9983 | 55,8835 |
| 54 | 30 | M | 6 | A11 | 118,3342 | 54,9052 |
| 54 | 30 | M | 6 | A12 | 151,6323 | 54,0787 |
| 55 | 42 | M | 6 | A01 | 60,8250 | 77,2271 |
| 55 | 42 | M | 6 | A02 | 118,1535 | 78,6584 |
| 55 | 42 | M | 6 | A03 | 118,6022 | 32,9031 |
| 55 | 42 | M | 6 | A04 | 58,5160 | 32,1850 |
| 55 | 42 | M | 6 | A07 | 94,1759 | 40,5411 |
| 55 | 42 | M | 6 | A08 | 84,9017 | 40,3452 |

**Segmentation of the experiment A1**

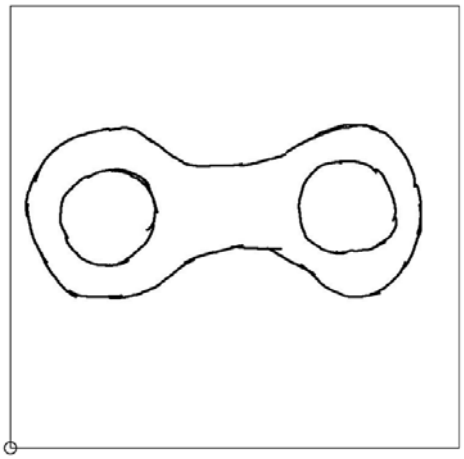

Figure 13: Chain plate poor sketch given to the segmenters, within 15 x 15 cm square frames (A1).

Table 2: Segmentation points of the chain plate poor sketch (experiment A1).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 6 | 46 | F | 0 | 1 | 60,2129 | 92,4692 |
| 6 | 46 | F | 0 | 2 | 89,6972 | 96,1809 |
| 6 | 46 | F | 0 | 3 | 87,3206 | 62,9242 |
| 6 | 46 | F | 0 | 4 | 61,1784 | 62,1818 |
| 12 | 47 | M | 0 | 1 | 57,4950 | 93,1404 |
| 12 | 47 | M | 0 | 2 | 90,3974 | 96,9395 |
| 12 | 47 | M | 0 | 3 | 87,1931 | 63,2786 |
| 12 | 47 | M | 0 | 4 | 58,1361 | 60,7253 |
| 16 | 15 | M | 0 | 2 | 89,9851 | 96,9155 |
| 16 | 15 | M | 0 | 3 | 84,7660 | 65,1919 |
| 16 | 15 | M | 0 | 7 | 74,8919 | 66,0378 |
| 16 | 15 | M | 0 | 32 | 32,7153 | 104,8111 |
| 16 | 15 | M | 0 | 35 | 119,6074 | 50,8105 |
| 16 | 15 | M | 0 | 51 | 132,7259 | 86,0590 |
| 16 | 15 | M | 0 | 52 | 129,1994 | 60,3981 |
| 17 | 48 | F | 0 | 2 | 89,7426 | 96,7812 |
| 17 | 48 | F | 0 | 3 | 85,6374 | 64,4378 |
| 17 | 48 | F | 0 | 4 | 48,9326 | 53,8176 |
| 17 | 48 | F | 0 | 6 | 75,8575 | 93,0400 |
| 17 | 48 | F | 0 | 7 | 74,5294 | 66,0067 |
| 17 | 48 | F | 0 | 21 | 58,2295 | 93,2814 |
| 17 | 48 | F | 0 | 24 | 60,2821 | 62,3862 |
| 17 | 48 | F | 0 | 32 | 40,6016 | 104,8670 |
| 17 | 48 | F | 0 | 33 | 99,4017 | 102,2120 |
| 17 | 48 | F | 0 | 36 | 97,3492 | 57,8002 |
| 17 | 48 | F | 0 | 53 | 57,1429 | 60,5759 |
| 19 | 0 | M | 4 | 1 | 47,8234 | 100,1870 |
| 19 | 0 | M | 4 | 2 | 92,6820 | 100,1870 |
| 19 | 0 | M | 4 | 3 | 95,1481 | 59,9266 |
| 19 | 0 | M | 4 | 4 | 51,2289 | 56,4053 |
| 21 | 25 | F | 4 | 3 | 98,7718 | 56,8680 |
| 21 | 25 | F | 4 | 21 | 58,0847 | 93,0992 |
| 21 | 25 | F | 4 | 22 | 89,8712 | 96,4549 |
| 21 | 25 | F | 4 | 23 | 86,8277 | 63,7798 |
| 21 | 25 | F | 4 | 24 | 59,4192 | 61,5177 |
| 21 | 25 | F | 4 | 27 | 129,3236 | 59,9469 |
| 25 | 24 | F | 4 | 1 | 52,0783 | 96,8113 |
| 25 | 24 | F | 4 | 2 | 91,6084 | 98,2695 |
| 25 | 24 | F | 4 | 3 | 99,3199 | 56,1188 |
| 25 | 24 | F | 4 | 4 | 46,8678 | 52,3689 |
| 26 | 27 | M | 4 | 1 | 50,6507 | 97,6886 |
| 26 | 27 | M | 4 | 2 | 95,3140 | 100,7953 |
| 26 | 27 | M | 4 | 3 | 89,4478 | 62,1773 |
| 26 | 27 | M | 4 | 24 | 55,0172 | 59,1460 |
| 31 | 34 | M | 4 | 21 | 58,072 | 93,0561 |
| 31 | 34 | M | 4 | 22 | 89,5176 | 96,6588 |
| 31 | 34 | M | 4 | 23 | 92,3762 | 60,6318 |
| 31 | 34 | M | 4 | 24 | 58,3205 | 61,1287 |
| 33 | 19 | F | 3 | 2 | 94,5570 | 100,5720 |
| 33 | 19 | F | 3 | 3 | 89,1040 | 62,7262 |
| 33 | 19 | F | 3 | 5 | 61,8551 | 93,0183 |
| 33 | 19 | F | 3 | 21 | 54,2980 | 95,3531 |
| 33 | 19 | F | 3 | 22 | 84,2518 | 95,3531 |
| 33 | 19 | F | 3 | 23 | 81,6067 | 65,8688 |
| 33 | 19 | F | 3 | 24 | 63,6495 | 63,8140 |
| 33 | 19 | F | 3 | 53 | 56,0313 | 59,8858 |
| 35 | 19 | M | 3 | 21 | 58,2182 | 93,4713 |
| 35 | 19 | M | 3 | 22 | 90,1240 | 97,3528 |
| 35 | 19 | M | 3 | 23 | 90,1231 | 62,0464 |
| 35 | 19 | M | 3 | 24 | 56,8982 | 60,5182 |
| 36 | 19 | F | 3 | 1 | 52,4881 | 96,4344 |
| 36 | 19 | F | 3 | 2 | 92,8669 | 99,5214 |
| 36 | 19 | F | 3 | 3 | 95,1692 | 59,5842 |
| 36 | 19 | F | 3 | 4 | 49,5330 | 54,4660 |
| 40 | 19 | M | 3 | 1 | 41,3020 | 104,3645 |
| 40 | 19 | M | 3 | 2 | 96,4471 | 101,6974 |
| 40 | 19 | M | 3 | 3 | 99,4712 | 56,0902 |
| 40 | 19 | M | 3 | 4 | 44,7708 | 51,9118 |
| 40 | 19 | M | 3 | 21 | 59,0018 | 93,3405 |
| 40 | 19 | M | 3 | 22 | 81,8603 | 94,8519 |
| 40 | 19 | M | 3 | 23 | 84,1729 | 65,7806 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 40 | 19 | M | 3 | 24 | 60,5139 | 63,0246 |
| 40 | 19 | M | 3 | 42 | 133,7145 | 80,0051 |
| 47 | 19 | F | 3 | 21 | 54,6192 | 95,0975 |
| 47 | 19 | F | 3 | 22 | 86,8727 | 96,0671 |
| 47 | 19 | F | 3 | 23 | 87,0546 | 63,7678 |
| 47 | 19 | F | 3 | 24 | 58,4994 | 61,7074 |
| 53 | 44 | M | 6 | 1 | 43,6282 | 102,7265 |
| 53 | 44 | M | 6 | 2 | 99,4078 | 102,3797 |
| 53 | 44 | M | 6 | 3 | 95,2612 | 59,2790 |
| 53 | 44 | M | 6 | 4 | 49,5445 | 54,4233 |
| 53 | 44 | M | 6 | 5 | 61,5853 | 92,6683 |
| 53 | 44 | M | 6 | 6 | 76,6796 | 93,2752 |
| 53 | 44 | M | 6 | 7 | 75,1354 | 66,1290 |
| 53 | 44 | M | 6 | 9 | 16,5575 | 74,6311 |
| 53 | 44 | M | 6 | 10 | 46,8329 | 74,1109 |
| 53 | 44 | M | 6 | 11 | 94,3052 | 77,4859 |
| 53 | 44 | M | 6 | 12 | 126,0553 | 75,7517 |
| 53 | 44 | M | 6 | 19 | 113,1297 | 64,8264 |
| 53 | 44 | M | 6 | 21 | 54,8188 | 94,8360 |
| 53 | 44 | M | 6 | 22 | 89,3449 | 96,7436 |
| 53 | 44 | M | 6 | 23 | 85,1115 | 65,3486 |
| 53 | 44 | M | 6 | 24 | 59,4339 | 61,8803 |
| 53 | 44 | M | 6 | 34 | 117,2781 | 105,6746 |
| 53 | 44 | M | 6 | 35 | 120,8521 | 51,4752 |
| 53 | 44 | M | 6 | 36 | 105,4975 | 51,3884 |
| 53 | 44 | M | 6 | 37 | 36,5321 | 49,3074 |
| 53 | 44 | M | 6 | 38 | 21,0041 | 50,0011 |
| 53 | 44 | M | 6 | 40 | 5,4760 | 79,5689 |
| 53 | 44 | M | 6 | 46 | 44,0569 | 66,9140 |
| 53 | 44 | M | 6 | 47 | 37,9845 | 61,7115 |
| 53 | 44 | M | 6 | 51 | 132,3897 | 86,7658 |
| 53 | 44 | M | 6 | 54 | 117,2937 | 65,2599 |
| 53 | 44 | M | 6 | 55 | 108,8790 | 63,9593 |
| 55 | 42 | M | 6 | 1 | 43,8083 | 102,6106 |
| 55 | 42 | M | 6 | 5 | 61,5264 | 92,8279 |
| 55 | 42 | M | 6 | 6 | 77,7258 | 93,5026 |
| 55 | 42 | M | 6 | 13 | 33,0087 | 104,9719 |
| 55 | 42 | M | 6 | 21 | 51,9924 | 96,6229 |
| 55 | 42 | M | 6 | 22 | 89,7066 | 97,0446 |
| 55 | 42 | M | 6 | 23 | 84,4833 | 65,4600 |
| 55 | 42 | M | 6 | 25 | 9,9752 | 92,2376 |
| 55 | 42 | M | 6 | 37 | 37,1841 | 49,4286 |
| 55 | 42 | M | 6 | 38 | 21,6652 | 49,8740 |
| 55 | 42 | M | 6 | 39 | 5,8838 | 75,7698 |

**Segmentation of the experiment A2**

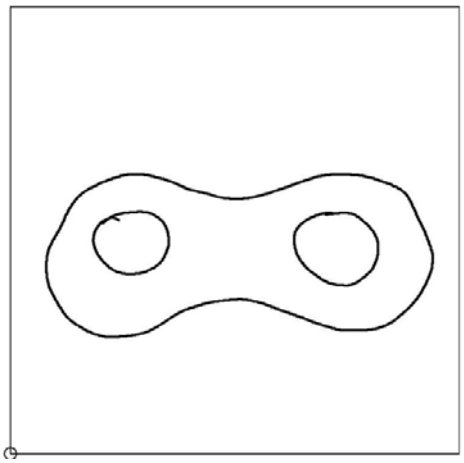

Figure 14: Chain plate average sketch given to the segmenters, within 15 x 15 cm square frames (A2).

Table 3: Segmentation points of the chain plate average sketch (experiment A2).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 2 | 49 | F | 0 | 21 | 59,4191 | 85,7312 |
| 2 | 49 | F | 0 | 22 | 87,1127 | 85,8975 |
| 2 | 49 | F | 0 | 23 | 86,4474 | 47,3280 |
| 2 | 49 | F | 0 | 24 | 59,8349 | 47,5774 |
| 4 | 11 | M | 0 | 5 | 72,2672 | 82,7762 |
| 4 | 11 | M | 0 | 6 | 75,5373 | 82,8889 |
| 4 | 11 | M | 0 | 7 | 78,4692 | 49,6396 |
| 4 | 11 | M | 0 | 8 | 72,7182 | 49,8651 |
| 10 | 24 | F | 0 | 1 | 57,8062 | 85,8162 |
| 10 | 24 | F | 0 | 2 | 101,0697 | 89,6786 |
| 10 | 24 | F | 0 | 3 | 107,2886 | 39,6482 |
| 10 | 24 | F | 0 | 4 | 51,2621 | 42,897 |
| 10 | 24 | F | 0 | 7 | 81,9303 | 48,2963 |
| 10 | 24 | F | 0 | 22 | 85,4065 | 84,2988 |
| 10 | 24 | F | 0 | 25 | 20,5431 | 80,3647 |
| 10 | 24 | F | 0 | 26 | 129,1319 | 84,2894 |
| 10 | 24 | F | 0 | 42 | 138,5663 | 61,6921 |
| 10 | 24 | F | 0 | 56 | 15,4185 | 70,6116 |
| 23 | 25 | M | 4 | 4 | 46,4264 | 40,2858 |
| 23 | 25 | M | 4 | 21 | 58,1727 | 86,1289 |
| 23 | 25 | M | 4 | 22 | 87,4033 | 85,7697 |
| 23 | 25 | M | 4 | 23 | 85,766 | 47,4697 |
| 23 | 25 | M | 4 | 24 | 59,0154 | 47,0962 |
| 23 | 25 | M | 4 | 25 | 18,0983 | 77,1412 |
| 23 | 25 | M | 4 | 26 | 131,507 | 80,0987 |
| 23 | 25 | M | 4 | 35 | 116,6681 | 40,0882 |
| 23 | 25 | M | 4 | 36 | 106,9785 | 40,1929 |
| 23 | 25 | M | 4 | 42 | 137,729 | 65,3748 |
| 23 | 25 | M | 4 | 56 | 13,8568 | 68,7069 |
| 23 | 25 | M | 4 | 57 | 12,7007 | 54,3755 |
| 23 | 25 | M | 4 | 58 | 28,9647 | 87,6345 |
| 23 | 25 | M | 4 | 59 | 127,6994 | 85,7016 |
| 24 | 22 | M | 4 | 3 | 105,0209 | 40,4912 |
| 24 | 22 | M | 4 | 4 | 44,757 | 39,5158 |
| 24 | 22 | M | 4 | 21 | 60,2165 | 85,5481 |
| 24 | 22 | M | 4 | 22 | 92,9225 | 87,7468 |
| 24 | 22 | M | 4 | 23 | 86,9632 | 47,0683 |
| 24 | 22 | M | 4 | 27 | 125,7456 | 43,5326 |
| 24 | 22 | M | 4 | 34 | 120,298 | 89,0117 |
| 24 | 22 | M | 4 | 41 | 135,9652 | 70,3311 |
| 24 | 22 | M | 4 | 51 | 132,201 | 78,5837 |
| 24 | 22 | M | 4 | 52 | 133,1315 | 50,8085 |
| 24 | 22 | M | 4 | 56 | 15,4506 | 71,7232 |
| 24 | 22 | M | 4 | 60 | 18,2006 | 77,1053 |
| 27 | 32 | M | 2 | 1 | 55,2055 | 87,2888 |
| 27 | 32 | M | 2 | 2 | 101,2141 | 90,9981 |
| 27 | 32 | M | 2 | 4 | 47,4123 | 41,1159 |
| 27 | 32 | M | 2 | 5 | 68,0486 | 83,4966 |
| 27 | 32 | M | 2 | 6 | 80,2713 | 84,1396 |
| 27 | 32 | M | 2 | 23 | 85,7073 | 47,5243 |
| 27 | 32 | M | 2 | 26 | 125,6592 | 87,3591 |
| 27 | 32 | M | 2 | 27 | 128,2479 | 46,5647 |
| 27 | 32 | M | 2 | 28 | 16,375 | 47,0089 |
| 27 | 32 | M | 2 | 35 | 116,5849 | 40,3854 |
| 27 | 32 | M | 2 | 36 | 107,0264 | 40,3854 |
| 27 | 32 | M | 2 | 40 | 12,2321 | 66,4427 |
| 27 | 32 | M | 2 | 42 | 137,6492 | 65,9767 |
| 27 | 32 | M | 2 | 51 | 131,0862 | 80,7362 |
| 27 | 32 | M | 2 | 57 | 12,6231 | 53,6545 |
| 27 | 32 | M | 2 | 58 | 28,5558 | 87,9624 |
| 27 | 32 | M | 2 | 60 | 18,4684 | 78,3421 |
| 28 | 33 | M | 2 | 3 | 107,0679 | 40,1802 |
| 28 | 33 | M | 2 | 21 | 55,8694 | 87,0804 |
| 28 | 33 | M | 2 | 22 | 90,9688 | 86,9916 |
| 28 | 33 | M | 2 | 23 | 85,9528 | 47,4242 |
| 28 | 33 | M | 2 | 24 | 54,5936 | 45,1953 |
| 28 | 33 | M | 2 | 25 | 21,8247 | 82,7117 |
| 28 | 33 | M | 2 | 40 | 12,2060 | 62,1180 |
| 28 | 33 | M | 2 | 41 | 138,2419 | 64,5210 |
| 28 | 33 | M | 2 | 51 | 129,7114 | 83,7054 |
| 34 | 19 | F | 3 | 3 | 100,7557 | 41,8942 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 34 | 19 | F | 3 | 4 | 48,9470 | 41,6823 |
| 34 | 19 | F | 3 | 21 | 55,2216 | 87,3330 |
| 34 | 19 | F | 3 | 22 | 91,2489 | 87,0398 |
| 37 | 19 | F | 3 | 3 | 98,4990 | 42,8760 |
| 37 | 19 | F | 3 | 21 | 59,4927 | 85,8659 |
| 37 | 19 | F | 3 | 22 | 90,9082 | 87,4222 |
| 37 | 19 | F | 3 | 24 | 54,7120 | 45,6903 |
| 39 | 19 | M | 3 | 21 | 58,4786 | 85,7929 |
| 39 | 19 | M | 3 | 22 | 90,8735 | 86,8967 |
| 39 | 19 | M | 3 | 23 | 89,9532 | 45,6867 |
| 39 | 19 | M | 3 | 24 | 60,5953 | 47,7104 |
| 39 | 19 | M | 3 | 25 | 19,0894 | 78,8019 |
| 39 | 19 | M | 3 | 26 | 128,2380 | 85,2409 |
| 39 | 19 | M | 3 | 27 | 125,1089 | 43,2951 |
| 39 | 19 | M | 3 | 28 | 19,6416 | 42,8351 |
| 43 | 19 | M | 3 | 21 | 56,5474 | 86,6878 |
| 43 | 19 | M | 3 | 22 | 89,2461 | 86,4493 |
| 43 | 19 | M | 3 | 23 | 88,6392 | 46,1984 |
| 43 | 19 | M | 3 | 24 | 56,5591 | 46,3381 |
| 43 | 19 | M | 3 | 25 | 18,4012 | 77,3830 |
| 43 | 19 | M | 3 | 26 | 128,7867 | 85,0179 |
| 43 | 19 | M | 3 | 27 | 126,5902 | 44,1726 |
| 43 | 19 | M | 3 | 28 | 22,0901 | 41,4735 |
| 45 | 19 | M | 3 | 3 | 102,8655 | 41,1634 |
| 45 | 19 | M | 3 | 21 | 57,2759 | 86,3568 |
| 45 | 19 | M | 3 | 22 | 91,2575 | 86,8246 |
| 45 | 19 | M | 3 | 24 | 55,5908 | 45,7482 |
| 46 | 19 | M | 3 | 1 | 55,9298 | 87,0563 |
| 46 | 19 | M | 3 | 2 | 94,7028 | 88,5488 |
| 46 | 19 | M | 3 | 23 | 94,2115 | 44,4798 |
| 46 | 19 | M | 3 | 24 | 58,1387 | 47,3502 |
| 54 | 30 | M | 6 | 2 | 94,8859 | 88,7107 |
| 54 | 30 | M | 6 | 3 | 95,601 | 44,1869 |
| 54 | 30 | M | 6 | 4 | 50,462 | 42,9702 |
| 54 | 30 | M | 6 | 9 | 27,3082 | 69,1085 |
| 54 | 30 | M | 6 | 10 | 51,8162 | 68,0352 |
| 54 | 30 | M | 6 | 21 | 59,3946 | 85,8333 |
| 54 | 30 | M | 6 | 25 | 20,3825 | 81,004 |
| 54 | 30 | M | 6 | 42 | 138,1625 | 65,3397 |
| 54 | 30 | M | 6 | 51 | 131,7288 | 80,2252 |
| 54 | 30 | M | 6 | 55 | 104,8552 | 55,3887 |
| 54 | 30 | M | 6 | 56 | 14,6911 | 70,5764 |
| 54 | 30 | M | 6 | 61 | 93,3159 | 65,299 |
| 54 | 30 | M | 6 | 62 | 94,4624 | 74,5508 |
| 54 | 30 | M | 6 | 63 | 103,2516 | 78,3704 |
| 54 | 30 | M | 6 | 64 | 110,8944 | 78,625 |

**Segmentation of the experiment A3**

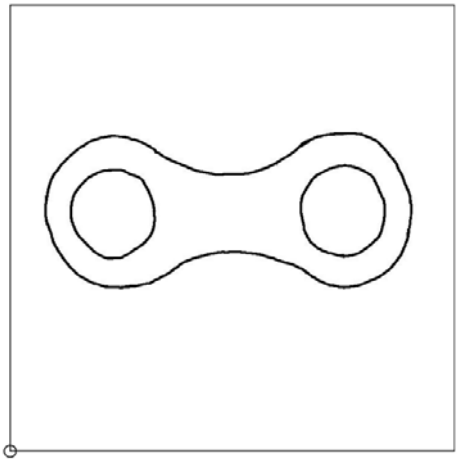

Figure 15: Chain plate good sketch given to the segmenters, within 15 x 15 cm square frames (A3).

Table 4: Segmentation points of the chain plate good sketch (experiment A3).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 3 | 44 | M | 0 | 21 | 55,4512 | 93,5401 |
| 3 | 44 | M | 0 | 22 | 89,3847 | 94,4039 |
| 3 | 44 | M | 0 | 23 | 93,7907 | 60,0583 |
| 3 | 44 | M | 0 | 24 | 54,9669 | 59,2894 |
| 5 | 46 | M | 0 | 21 | 53,8907 | 94,3215 |
| 5 | 46 | M | 0 | 22 | 90,9124 | 95,504 |
| 5 | 46 | M | 0 | 23 | 94,3918 | 59,9594 |
| 5 | 46 | M | 0 | 24 | 55,5608 | 60,029 |
| 7 | 53 | F | 0 | 1 | 48,0615 | 97,7831 |
| 7 | 53 | F | 0 | 2 | 91,0347 | 96,0216 |
| 7 | 53 | F | 0 | 3 | 94,3265 | 59,7727 |
| 7 | 53 | F | 0 | 4 | 52,7653 | 58,2537 |
| 7 | 53 | F | 0 | 5 | 67,9892 | 90,1273 |
| 7 | 53 | F | 0 | 6 | 76,1907 | 90,3983 |
| 7 | 53 | F | 0 | 8 | 70,9246 | 64,6332 |
| 7 | 53 | F | 0 | 21 | 59,5843 | 92,0243 |
| 7 | 53 | F | 0 | 23 | 80,1182 | 64,2535 |
| 7 | 53 | F | 0 | 24 | 63,7064 | 63,7978 |
| 8 | 44 | F | 0 | 1 | 53,5622 | 94,3394 |
| 8 | 44 | F | 0 | 2 | 95,7832 | 99,4204 |
| 8 | 44 | F | 0 | 3 | 97,4777 | 58,0665 |
| 8 | 44 | F | 0 | 4 | 47,9139 | 55,3849 |
| 9 | 12 | F | 0 | 2 | 96,9824 | 100,1172 |
| 9 | 12 | F | 0 | 13 | 33,4292 | 102,5574 |
| 9 | 12 | F | 0 | 14 | 109,7998 | 103,1675 |
| 9 | 12 | F | 0 | 15 | 110,105 | 53,295 |
| 9 | 12 | F | 0 | 16 | 34,1158 | 53,295 |
| 9 | 12 | F | 0 | 17 | 34,1921 | 91,5763 |
| 9 | 12 | F | 0 | 20 | 32,9714 | 62,5984 |
| 9 | 12 | F | 0 | 21 | 54,639 | 93,9403 |
| 9 | 12 | F | 0 | 22 | 88,0559 | 93,7116 |
| 9 | 12 | F | 0 | 23 | 87,1404 | 62,2934 |
| 9 | 12 | F | 0 | 24 | 59,9033 | 62,4459 |
| 11 | 12 | M | 0 | 5 | 69,382 | 90,1102 |
| 11 | 12 | M | 0 | 6 | 77,7248 | 90,2447 |
| 11 | 12 | M | 0 | 7 | 78,1285 | 64,5561 |
| 11 | 12 | M | 0 | 8 | 68,7092 | 64,2871 |
| 13 | 69 | M | 0 | 1 | 49,9527 | 96,0473 |
| 13 | 69 | M | 0 | 2 | 96,0173 | 99,5354 |
| 13 | 69 | M | 0 | 3 | 94,1561 | 59,539 |
| 13 | 69 | M | 0 | 4 | 52,0466 | 57,4461 |
| 14 | 30 | F | 0 | 1 | 49,7293 | 96,4775 |
| 14 | 30 | F | 0 | 2 | 93,0104 | 96,1559 |
| 14 | 30 | F | 0 | 3 | 95,4238 | 59,3284 |
| 14 | 30 | F | 0 | 4 | 48,1203 | 55,1471 |
| 14 | 30 | F | 0 | 21 | 61,6356 | 90,8489 |
| 14 | 30 | F | 0 | 22 | 82,3912 | 90,8489 |
| 14 | 30 | F | 0 | 23 | 84,9656 | 62,8664 |
| 14 | 30 | F | 0 | 24 | 60,5093 | 62,3839 |
| 15 | 11 | M | 0 | 2 | 95,2125 | 99,2616 |
| 15 | 11 | M | 0 | 3 | 101,7009 | 55,3062 |
| 15 | 11 | M | 0 | 21 | 57,3639 | 93,1366 |
| 15 | 11 | M | 0 | 24 | 58,8057 | 62,1517 |
| 15 | 11 | M | 0 | 40 | 11,585 | 77,6441 |
| 15 | 11 | M | 0 | 41 | 132,16 | 78,9052 |
| 18 | 25 | F | 4 | 1 | 47,8793 | 97,8187 |
| 18 | 25 | F | 4 | 2 | 94,0743 | 98,7592 |
| 18 | 25 | F | 4 | 3 | 98,0094 | 57,8878 |
| 18 | 25 | F | 4 | 4 | 52,1566 | 58,2298 |
| 20 | 26 | M | 4 | 1 | 47,412 | 98,5328 |
| 20 | 26 | M | 4 | 2 | 97,1083 | 98,6511 |
| 20 | 26 | M | 4 | 3 | 97,4633 | 57,1391 |
| 20 | 26 | M | 4 | 24 | 54,6298 | 58,2035 |
| 22 | 30 | M | 4 | 1 | 48,5741 | 97,4417 |
| 22 | 30 | M | 4 | 2 | 95,7817 | 99,2741 |
| 22 | 30 | M | 4 | 3 | 95,8963 | 58,9608 |
| 22 | 30 | M | 4 | 24 | 55,1053 | 59,5334 |
| 29 | 46 | M | 2 | 1 | 51,7175 | 95,3979 |
| 29 | 46 | M | 2 | 2 | 95,4616 | 99,7408 |
| 29 | 46 | M | 2 | 3 | 98,5546 | 57,4890 |
| 29 | 46 | M | 2 | 4 | 51,4229 | 57,3418 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 29 | 46 | M | 2 | 8 | 68,3609 | 64,7764 |
| 29 | 46 | M | 2 | 21 | 62,3221 | 91,3494 |
| 29 | 46 | M | 2 | 22 | 84,4151 | 92,6007 |
| 29 | 46 | M | 2 | 23 | 80,7329 | 64,3347 |
| 30 | 44 | M | 2 | 1 | 47,2153 | 99,0080 |
| 30 | 44 | M | 2 | 2 | 94,3293 | 99,6209 |
| 30 | 44 | M | 2 | 3 | 95,3513 | 59,9856 |
| 30 | 44 | M | 2 | 24 | 56,8221 | 61,9265 |
| 32 | 19 | M | 3 | 1 | 48,6956 | 97,4841 |
| 32 | 19 | M | 3 | 2 | 96,22 | 99,8806 |
| 32 | 19 | M | 3 | 3 | 94,9356 | 59,7396 |
| 32 | 19 | M | 3 | 4 | 48,6956 | 56,2305 |
| 38 | 19 | M | 3 | 1 | 46,6916 | 99,0323 |
| 38 | 19 | M | 3 | 2 | 94,7618 | 99,0323 |
| 38 | 19 | M | 3 | 23 | 92,0565 | 61,2811 |
| 38 | 19 | M | 3 | 24 | 52,4142 | 58,2651 |
| 41 | 19 | M | 3 | 1 | 50,54 | 96,3925 |
| 41 | 19 | M | 3 | 2 | 92,3093 | 96,6173 |
| 41 | 19 | M | 3 | 3 | 96,3358 | 59,2674 |
| 41 | 19 | M | 3 | 4 | 52,8887 | 58,2526 |
| 42 | 19 | M | 3 | 1 | 44,1343 | 100,6079 |
| 42 | 19 | M | 3 | 2 | 94,3559 | 98,271 |
| 42 | 19 | M | 3 | 3 | 95,6492 | 59,6265 |
| 42 | 19 | M | 3 | 4 | 41,2422 | 54,0243 |
| 44 | 19 | M | 3 | 1 | 47,9351 | 97,9292 |
| 44 | 19 | M | 3 | 2 | 94,6465 | 99,005 |
| 44 | 19 | M | 3 | 3 | 92,5656 | 60,9223 |
| 44 | 19 | M | 3 | 4 | 49,0831 | 56,404 |
| 48 | 44 | M | 6 | 1 | 47,761 | 98,0803 |
| 48 | 44 | M | 6 | 2 | 97,0296 | 100,1808 |
| 48 | 44 | M | 6 | 3 | 96,7961 | 58,6377 |
| 48 | 44 | M | 6 | 5 | 67,7642 | 90,3007 |
| 48 | 44 | M | 6 | 6 | 77,8047 | 90,3007 |
| 48 | 44 | M | 6 | 7 | 79,05 | 64,3168 |
| 48 | 44 | M | 6 | 8 | 65,8183 | 64,1612 |
| 48 | 44 | M | 6 | 24 | 54,9995 | 59,5712 |
| 49 | 43 | M | 6 | 1 | 48,4649 | 97,5107 |
| 49 | 43 | M | 6 | 2 | 94,4042 | 98,9516 |
| 49 | 43 | M | 6 | 3 | 94,8847 | 60,1429 |
| 49 | 43 | M | 6 | 24 | 54,1352 | 59,5666 |
| 50 | 41 | M | 6 | 1 | 48,0448 | 97,8024 |
| 50 | 41 | M | 6 | 2 | 96,2253 | 100,1747 |
| 50 | 41 | M | 6 | 3 | 94,6826 | 59,9645 |
| 50 | 41 | M | 6 | 24 | 54,9277 | 59,9645 |
| 51 | 52 | M | 6 | 1 | 48,303 | 97,7205 |
| 51 | 52 | M | 6 | 2 | 96,3708 | 100,4684 |
| 51 | 52 | M | 6 | 3 | 96,2713 | 59,3375 |
| 51 | 52 | M | 6 | 4 | 50,6717 | 57,4258 |

### 6.2 Segmentation points in the pipe flange example

This annex includes detailed information of the segmentation points marked by every segmenter in the four variants (B, B1, B2, B3) of the pipeflange.

**Segmentation of the experiment B**

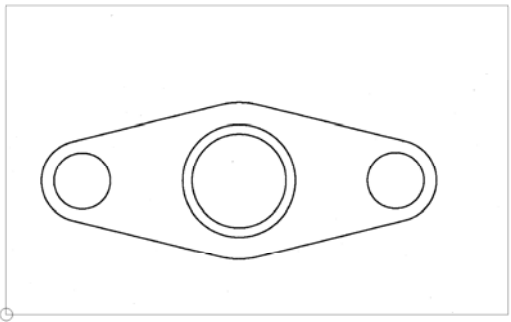

Figure 16: Pipe flange line drawing given to the segmenters.

To be noticed that the frame of the line drawing, shown in figure 16, was not standard, it was 184 mm wide and 113 mm high.

Table 5: Segmentation points of the pipe flange line drawing (experiment B).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 54 | M | 0 | 01 | 81.3793 | 77.6468 |
| 1 | 54 | M | 0 | 02 | 89.1158 | 77.6468 |
| 1 | 54 | M | 0 | 03 | 87.9445 | 20.6989 |
| 1 | 54 | M | 0 | 04 | 81.2004 | 20.9187 |
| 1 | 54 | M | 0 | 05 | 22.1386 | 62.7800 |
| 1 | 54 | M | 0 | 06 | 146.0333 | 63.9154 |
| 1 | 54 | M | 0 | 07 | 147.3222 | 34.9866 |
| 1 | 54 | M | 0 | 08 | 21.8502 | 35.4477 |
| 2 | 49 | F | 0 | 01 | 75.2769 | 76.1353 |
| 2 | 49 | F | 0 | 03 | 102.8978 | 23.7437 |
| 2 | 49 | F | 0 | 05 | 38.7471 | 67.0792 |
| 2 | 49 | F | 0 | 06 | 145.9548 | 63.8540 |
| 2 | 49 | F | 0 | 07 | 144.7024 | 33.9962 |
| 2 | 49 | F | 0 | 08 | 37.8002 | 31.0673 |
| 3 | 44 | M | 0 | 01 | 80.5792 | 77.1162 |
| 3 | 44 | M | 0 | 02 | 90.2047 | 77.1162 |
| 3 | 44 | M | 0 | 03 | 91.8914 | 20.9828 |
| 3 | 44 | M | 0 | 04 | 77.4108 | 21.3070 |
| 3 | 44 | M | 0 | 05 | 22.1419 | 62.6166 |
| 3 | 44 | M | 0 | 06 | 149.1614 | 62.6413 |
| 3 | 44 | M | 0 | 07 | 149.6277 | 35.3248 |
| 3 | 44 | M | 0 | 08 | 21.5789 | 35.4035 |
| 4 | 11 | M | 0 | 01 | 80.3373 | 77.5288 |
| 4 | 11 | M | 0 | 02 | 91.4579 | 77.4105 |
| 4 | 11 | M | 0 | 03 | 93.4690 | 21.5980 |
| 4 | 11 | M | 0 | 04 | 81.1654 | 20.8886 |
| 4 | 11 | M | 0 | 05 | 25.3096 | 63.9406 |
| 4 | 11 | M | 0 | 06 | 147.5340 | 63.2209 |
| 4 | 11 | M | 0 | 07 | 150.1367 | 35.7877 |
| 4 | 11 | M | 0 | 32 | 18.8192 | 37.6796 |
| 5 | 46 | M | 0 | 01 | 77.6473 | 76.6611 |
| 5 | 46 | M | 0 | 02 | 94.7115 | 76.4123 |
| 5 | 46 | M | 0 | 03 | 96.9338 | 22.5980 |
| 5 | 46 | M | 0 | 04 | 71.4050 | 23.3253 |
| 5 | 46 | M | 0 | 05 | 23.5993 | 63.7910 |
| 5 | 46 | M | 0 | 06 | 146.2321 | 63.8206 |
| 5 | 46 | M | 0 | 07 | 146.4846 | 34.4964 |
| 5 | 46 | M | 0 | 08 | 24.7977 | 34.7273 |
| 6 | 46 | F | 0 | 01 | 81.3765 | 77.3659 |
| 6 | 46 | F | 0 | 02 | 90.4915 | 77.2408 |
| 6 | 46 | F | 0 | 03 | 91.3119 | 21.0006 |
| 6 | 46 | F | 0 | 04 | 82.7638 | 20.4427 |
| 6 | 46 | F | 0 | 05 | 26.1841 | 63.9703 |
| 6 | 46 | F | 0 | 06 | 149.3578 | 63.0227 |
| 6 | 46 | F | 0 | 07 | 151.0751 | 36.0122 |
| 6 | 46 | F | 0 | 08 | 23.7866 | 34.9065 |
| 7 | 53 | F | 0 | 01 | 80.0877 | 77.1996 |
| 7 | 53 | F | 0 | 02 | 90.8688 | 76.9508 |
| 7 | 53 | F | 0 | 03 | 88.2007 | 20.3890 |
| 7 | 53 | F | 0 | 04 | 82.4488 | 20.5098 |
| 7 | 53 | F | 0 | 08 | 22.5208 | 35.2658 |
| 7 | 53 | F | 0 | 09 | 27.5561 | 59.1456 |
| 7 | 53 | F | 0 | 10 | 26.2753 | 38.6628 |
| 7 | 53 | F | 0 | 11 | 142.5142 | 59.3201 |
| 7 | 53 | F | 0 | 12 | 144.3326 | 38.8534 |
| 7 | 53 | F | 0 | 13 | 84.5408 | 69.5850 |
| 7 | 53 | F | 0 | 14 | 84.3728 | 66.0588 |
| 7 | 53 | F | 0 | 15 | 86.1818 | 28.2215 |
| 7 | 53 | F | 0 | 16 | 85.5207 | 31.6573 |
| 7 | 53 | F | 0 | 31 | 17.8415 | 60.0911 |
| 7 | 53 | F | 0 | 33 | 150.6322 | 61.8292 |
| 7 | 53 | F | 0 | 34 | 151.1249 | 36.2480 |
| 8 | 44 | F | 0 | 01 | 80.0419 | 76.9774 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 8 | 44 | F | 0 | 02 | 90.2336 | 77.3407 |
| 8 | 44 | F | 0 | 03 | 89.0659 | 20.4982 |
| 8 | 44 | F | 0 | 04 | 81.0936 | 20.5898 |
| 8 | 44 | F | 0 | 05 | 21.0613 | 62.4511 |
| 8 | 44 | F | 0 | 06 | 149.4377 | 62.5458 |
| 8 | 44 | F | 0 | 07 | 149.6352 | 34.8127 |
| 8 | 44 | F | 0 | 22 | 64.6235 | 49.1508 |
| 8 | 44 | F | 0 | 23 | 17.3035 | 48.4396 |
| 8 | 44 | F | 0 | 24 | 38.1172 | 48.9137 |
| 8 | 44 | F | 0 | 25 | 68.1814 | 49.5657 |
| 8 | 44 | F | 0 | 26 | 102.4346 | 48.4870 |
| 8 | 44 | F | 0 | 27 | 106.3611 | 48.6963 |
| 8 | 44 | F | 0 | 28 | 133.0928 | 49.1985 |
| 8 | 44 | F | 0 | 29 | 154.1771 | 49.0224 |
| 8 | 44 | F | 0 | 32 | 20.9412 | 35.8574 |
| 9 | 12 | F | 0 | 01 | 77.7385 | 76.7414 |
| 9 | 12 | F | 0 | 02 | 95.3431 | 76.0964 |
| 9 | 12 | F | 0 | 03 | 97.0251 | 22.3216 |
| 9 | 12 | F | 0 | 04 | 72.8442 | 22.6526 |
| 9 | 12 | F | 0 | 05 | 26.8711 | 63.8713 |
| 9 | 12 | F | 0 | 06 | 145.4009 | 63.9009 |
| 9 | 12 | F | 0 | 07 | 143.2472 | 33.4890 |
| 9 | 12 | F | 0 | 08 | 27.0842 | 34.0595 |
| 9 | 12 | F | 0 | 09 | 27.7965 | 59.4944 |
| 9 | 12 | F | 0 | 10 | 26.0895 | 39.1204 |
| 9 | 12 | F | 0 | 11 | 143.2060 | 59.2984 |
| 9 | 12 | F | 0 | 12 | 143.0051 | 38.9245 |
| 9 | 12 | F | 0 | 13 | 86.5380 | 69.7315 |
| 9 | 12 | F | 0 | 14 | 86.2368 | 66.3191 |
| 9 | 12 | F | 0 | 15 | 83.6260 | 28.3814 |
| 9 | 12 | F | 0 | 16 | 83.5256 | 32.1953 |
| 10 | 24 | F | 0 | 05 | 22.6974 | 62.9770 |
| 10 | 24 | F | 0 | 06 | 148.8769 | 63.0066 |
| 10 | 24 | F | 0 | 07 | 150.3514 | 35.8558 |
| 10 | 24 | F | 0 | 08 | 22.9864 | 34.8558 |
| 10 | 24 | F | 0 | 17 | 85.5514 | 77.9552 |
| 10 | 24 | F | 0 | 18 | 85.7236 | 20.5343 |
| 11 | 12 | M | 0 | 01 | 81.1874 | 77.5212 |
| 11 | 12 | M | 0 | 02 | 93.7174 | 76.5793 |
| 11 | 12 | M | 0 | 03 | 92.7697 | 21.3090 |
| 11 | 12 | M | 0 | 04 | 77.1031 | 21.6843 |
| 11 | 12 | M | 0 | 05 | 22.6051 | 63.2648 |
| 11 | 12 | M | 0 | 06 | 148.3935 | 63.2945 |
| 11 | 12 | M | 0 | 07 | 149.6068 | 35.2586 |
| 11 | 12 | M | 0 | 32 | 19.7677 | 36.8540 |
| 12 | 47 | M | 0 | 01 | 77.6732 | 76.7889 |
| 12 | 47 | M | 0 | 02 | 90.7341 | 77.2403 |
| 12 | 47 | M | 0 | 03 | 95.3834 | 22.2285 |
| 12 | 47 | M | 0 | 04 | 76.3699 | 21.8966 |
| 12 | 47 | M | 0 | 05 | 22.0489 | 63.0685 |
| 12 | 47 | M | 0 | 06 | 148.8193 | 63.0981 |
| 12 | 47 | M | 0 | 07 | 150.9576 | 36.1900 |
| 12 | 47 | M | 0 | 08 | 23.2473 | 35.0009 |
| 13 | 69 | M | 0 | 01 | 68.4795 | 74.5355 |
| 13 | 69 | M | 0 | 02 | 104.2024 | 74.1140 |
| 13 | 69 | M | 0 | 03 | 94.5512 | 21.8918 |
| 13 | 69 | M | 0 | 04 | 75.0650 | 22.2568 |
| 13 | 69 | M | 0 | 05 | 27.2593 | 64.3851 |
| 13 | 69 | M | 0 | 06 | 146.9772 | 63.8147 |
| 13 | 69 | M | 0 | 07 | 145.6432 | 34.6906 |
| 13 | 69 | M | 0 | 08 | 26.2008 | 34.1771 |
| 14 | 30 | F | 0 | 01 | 80.6114 | 77.5411 |
| 14 | 30 | F | 0 | 02 | 89.9047 | 77.4474 |
| 14 | 30 | F | 0 | 03 | 89.3409 | 21.0068 |
| 14 | 30 | F | 0 | 04 | 80.6443 | 21.0421 |
| 14 | 30 | F | 0 | 05 | 23.4134 | 63.3875 |
| 14 | 30 | F | 0 | 06 | 149.3829 | 62.9725 |
| 14 | 30 | F | 0 | 07 | 148.2815 | 35.0367 |
| 14 | 30 | F | 0 | 08 | 22.9754 | 35.1878 |
| 15 | 11 | M | 0 | 01 | 80.1318 | 77.1625 |
| 15 | 11 | M | 0 | 04 | 82.1083 | 20.4825 |
| 15 | 11 | M | 0 | 31 | 19.2528 | 60.9483 |
| 15 | 11 | M | 0 | 32 | 19.6436 | 36.7278 |
| 15 | 11 | M | 0 | 33 | 155.1781 | 58.1484 |
| 15 | 11 | M | 0 | 34 | 152.4767 | 37.1280 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 17 | 48 | F | 0 | 01 | 84.1327 | 77.9296 |
| 17 | 48 | F | 0 | 02 | 89.0115 | 77.6808 |
| 17 | 48 | F | 0 | 03 | 90.7488 | 20.9335 |
| 17 | 48 | F | 0 | 04 | 81.1540 | 20.8628 |
| 17 | 48 | F | 0 | 05 | 20.2995 | 61.7840 |
| 17 | 48 | F | 0 | 06 | 149.2643 | 62.8564 |
| 17 | 48 | F | 0 | 07 | 148.8444 | 35.1594 |
| 17 | 48 | F | 0 | 08 | 21.9919 | 35.5422 |
| 17 | 48 | F | 0 | 35 | 83.4135 | 20.6873 |
| 17 | 48 | F | 0 | 36 | 88.4056 | 20.4985 |
| 18 | 25 | F | 4 | 01 | 79.3073 | 76.8630 |
| 18 | 25 | F | 4 | 02 | 94.3423 | 76.6141 |
| 18 | 25 | F | 4 | 03 | 91.2546 | 20.8516 |
| 18 | 25 | F | 4 | 04 | 82.2933 | 20.4409 |
| 18 | 25 | F | 4 | 05 | 24.7875 | 63.9929 |
| 18 | 25 | F | 4 | 06 | 148.9527 | 62.5241 |
| 18 | 25 | F | 4 | 07 | 149.6727 | 34.6983 |
| 18 | 25 | F | 4 | 08 | 23.0811 | 35.5824 |
| 19 | 0 | M | 4 | 01 | 75.5619 | 76.1458 |
| 19 | 0 | M | 4 | 02 | 99.1351 | 75.5375 |
| 19 | 0 | M | 4 | 03 | 95.1879 | 21.8998 |
| 19 | 0 | M | 4 | 04 | 74.5631 | 22.2939 |
| 19 | 0 | M | 4 | 05 | 26.3687 | 64.7853 |
| 19 | 0 | M | 4 | 06 | 145.8788 | 63.5483 |
| 19 | 0 | M | 4 | 07 | 144.9654 | 33.7256 |
| 19 | 0 | M | 4 | 08 | 23.5692 | 35.7215 |
| 20 | 26 | M | 4 | 01 | 80.9727 | 77.4403 |
| 20 | 26 | M | 4 | 02 | 92.9904 | 77.2302 |
| 20 | 26 | M | 4 | 03 | 91.3388 | 21.3334 |
| 20 | 26 | M | 4 | 04 | 78.7939 | 21.4647 |
| 20 | 26 | M | 4 | 05 | 23.3145 | 63.7166 |
| 20 | 26 | M | 4 | 06 | 145.9474 | 63.7462 |
| 20 | 26 | M | 4 | 07 | 148.7717 | 34.4219 |
| 20 | 26 | M | 4 | 08 | 24.0964 | 35.2147 |
| 21 | 25 | F | 4 | 01 | 79.8984 | 77.1640 |
| 21 | 25 | F | 4 | 02 | 90.9226 | 77.1769 |
| 21 | 25 | F | 4 | 03 | 95.5517 | 22.0113 |
| 21 | 25 | F | 4 | 04 | 79.3175 | 21.2159 |
| 21 | 25 | F | 4 | 05 | 22.9955 | 63.2044 |
| 21 | 25 | F | 4 | 06 | 149.1176 | 63.2340 |
| 21 | 25 | F | 4 | 07 | 149.8015 | 35.6147 |
| 21 | 25 | F | 4 | 08 | 22.2645 | 34.8082 |
| 22 | 30 | M | 4 | 01 | 75.7972 | 76.4773 |
| 22 | 30 | M | 4 | 02 | 92.5281 | 77.0207 |
| 22 | 30 | M | 4 | 03 | 94.3428 | 21.6728 |
| 22 | 30 | M | 4 | 04 | 77.3386 | 21.5436 |
| 22 | 30 | M | 4 | 05 | 23.7080 | 63.6072 |
| 22 | 30 | M | 4 | 06 | 146.7864 | 63.6368 |
| 22 | 30 | M | 4 | 07 | 146.4252 | 34.3126 |
| 22 | 30 | M | 4 | 08 | 23.5898 | 35.1343 |
| 23 | 25 | M | 4 | 01 | 75.1671 | 76.0904 |
| 23 | 25 | M | 4 | 02 | 95.1433 | 76.3837 |
| 23 | 25 | M | 4 | 03 | 92.9682 | 21.5490 |
| 23 | 25 | M | 4 | 04 | 76.3947 | 22.0861 |
| 23 | 25 | M | 4 | 05 | 22.8035 | 64.1334 |
| 23 | 25 | M | 4 | 06 | 149.7118 | 62.3316 |
| 23 | 25 | M | 4 | 07 | 150.2060 | 34.8388 |
| 23 | 25 | M | 4 | 08 | 22.6850 | 36.2176 |
| 24 | 22 | M | 4 | 01 | 78.7685 | 77.0731 |
| 24 | 22 | M | 4 | 02 | 102.4461 | 74.5194 |
| 24 | 22 | M | 4 | 03 | 96.8803 | 22.5064 |
| 24 | 22 | M | 4 | 04 | 71.1150 | 23.4100 |
| 24 | 22 | M | 4 | 05 | 23.5458 | 64.2030 |
| 24 | 22 | M | 4 | 06 | 152.7087 | 60.4316 |
| 24 | 22 | M | 4 | 07 | 148.2197 | 33.8937 |
| 24 | 22 | M | 4 | 08 | 22.3945 | 35.9612 |
| 25 | 24 | F | 4 | 01 | 77.2821 | 76.4869 |
| 25 | 24 | F | 4 | 02 | 90.3338 | 77.3719 |
| 25 | 24 | F | 4 | 03 | 94.2590 | 21.7842 |
| 25 | 24 | F | 4 | 04 | 79.3804 | 21.2268 |
| 25 | 24 | F | 4 | 05 | 25.4938 | 63.8836 |
| 25 | 24 | F | 4 | 06 | 148.7258 | 63.2371 |
| 25 | 24 | F | 4 | 07 | 149.2059 | 35.2544 |
| 25 | 24 | F | 4 | 08 | 26.5284 | 33.8373 |
| 26 | 27 | M | 4 | 05 | 24.0008 | 64.2825 |

| 26 | 27 | M | 4 | 06 | 149.4313 | 62.1496 |
|---|---|---|---|---|---|---|
| 26 | 27 | M | 4 | 07 | 146.5371 | 33.7091 |
| 26 | 27 | M | 4 | 08 | 22.5823 | 35.7999 |
| 27 | 32 | M | 2 | 01 | 76.8511 | 76.6955 |
| 27 | 32 | M | 2 | 02 | 93.8807 | 76.6664 |
| 27 | 32 | M | 2 | 03 | 97.7779 | 22.7279 |
| 27 | 32 | M | 2 | 04 | 76.8681 | 21.7611 |
| 27 | 32 | M | 2 | 05 | 25.1850 | 64.1751 |
| 27 | 32 | M | 2 | 06 | 149.1061 | 62.7366 |
| 27 | 32 | M | 2 | 07 | 148.6966 | 35.0594 |
| 27 | 32 | M | 2 | 08 | 23.9345 | 35.2770 |
| 28 | 33 | M | 2 | 01 | 76.0871 | 76.8627 |
| 28 | 33 | M | 2 | 02 | 95.2846 | 76.8230 |
| 28 | 33 | M | 2 | 03 | 98.5019 | 23.3473 |
| 28 | 33 | M | 2 | 04 | 77.1721 | 22.3563 |
| 28 | 33 | M | 2 | 05 | 21.3699 | 62.8220 |
| 28 | 33 | M | 2 | 06 | 149.1615 | 63.4830 |
| 28 | 33 | M | 2 | 07 | 150.5245 | 36.6347 |
| 28 | 33 | M | 2 | 08 | 22.9674 | 35.6390 |
| 29 | 46 | M | 2 | 03 | 92.1614 | 21.3580 |
| 29 | 46 | M | 2 | 04 | 81.0293 | 20.9466 |
| 29 | 46 | M | 2 | 05 | 25.1794 | 63.7589 |
| 29 | 46 | M | 2 | 06 | 144.0473 | 64.5411 |
| 29 | 46 | M | 2 | 07 | 144.5061 | 34.0343 |
| 29 | 46 | M | 2 | 08 | 24.5255 | 34.6951 |
| 30 | 44 | M | 2 | 01 | 76.1122 | 76.6630 |
| 30 | 44 | M | 2 | 02 | 92.0890 | 77.5729 |
| 30 | 44 | M | 2 | 03 | 89.9714 | 21.2617 |
| 30 | 44 | M | 2 | 04 | 81.6716 | 21.2366 |
| 30 | 44 | M | 2 | 05 | 23.9310 | 63.7929 |
| 30 | 44 | M | 2 | 06 | 148.8045 | 63.8225 |
| 30 | 44 | M | 2 | 07 | 148.6147 | 35.6095 |
| 30 | 44 | M | 2 | 08 | 23.8726 | 35.1649 |
| 31 | 34 | M | 4 | 01 | 76.2941 | 76.5865 |
| 31 | 34 | M | 4 | 02 | 95.2674 | 76.5812 |
| 31 | 34 | M | 4 | 03 | 91.3891 | 21.4381 |
| 31 | 34 | M | 4 | 04 | 78.6213 | 21.5496 |
| 31 | 34 | M | 4 | 05 | 22.2461 | 63.2698 |
| 31 | 34 | M | 4 | 06 | 149.3775 | 63.2994 |
| 31 | 34 | M | 4 | 07 | 148.3516 | 35.3079 |
| 31 | 34 | M | 4 | 08 | 22.6165 | 35.7087 |
| 32 | 19 | M | 3 | 01 | 75.3857 | 76.3854 |
| 32 | 19 | M | 3 | 02 | 107.5133 | 73.4095 |
| 32 | 19 | M | 3 | 03 | 100.2896 | 23.2515 |
| 32 | 19 | M | 3 | 04 | 70.1350 | 23.4389 |
| 32 | 19 | M | 3 | 05 | 24.4646 | 63.5153 |
| 32 | 19 | M | 3 | 06 | 147.5972 | 63.7614 |
| 32 | 19 | M | 3 | 07 | 148.9433 | 35.2475 |
| 32 | 19 | M | 3 | 08 | 22.3117 | 35.1822 |
| 33 | 19 | F | 3 | 01 | 78.5306 | 77.1589 |
| 33 | 19 | F | 3 | 02 | 93.7628 | 76.5964 |
| 33 | 19 | F | 3 | 03 | 98.3130 | 22.7752 |
| 33 | 19 | F | 3 | 04 | 79.4068 | 21.1125 |
| 33 | 19 | F | 3 | 05 | 27.7165 | 64.2888 |
| 33 | 19 | F | 3 | 06 | 145.4126 | 64.3184 |
| 33 | 19 | F | 3 | 07 | 148.5051 | 35.3434 |
| 33 | 19 | F | 3 | 08 | 27.7933 | 33.7805 |
| 34 | 19 | F | 3 | 01 | 72.4030 | 75.6310 |
| 34 | 19 | F | 3 | 02 | 99.3621 | 75.8764 |
| 34 | 19 | F | 3 | 03 | 95.5710 | 22.7434 |
| 34 | 19 | F | 3 | 04 | 73.2004 | 22.9135 |
| 34 | 19 | F | 3 | 05 | 21.6830 | 62.7609 |
| 34 | 19 | F | 3 | 06 | 148.4060 | 63.9444 |
| 34 | 19 | F | 3 | 07 | 150.1101 | 36.5989 |
| 34 | 19 | F | 3 | 08 | 25.3535 | 34.5878 |
| 35 | 19 | M | 3 | 01 | 77.4232 | 76.8293 |
| 35 | 19 | M | 3 | 02 | 93.6001 | 76.9247 |
| 35 | 19 | M | 3 | 03 | 94.5263 | 22.0467 |
| 35 | 19 | M | 3 | 04 | 78.0780 | 21.6073 |
| 35 | 19 | M | 3 | 05 | 24.5538 | 63.6224 |
| 35 | 19 | M | 3 | 06 | 148.0090 | 63.6520 |
| 35 | 19 | M | 3 | 07 | 148.5070 | 35.5918 |
| 35 | 19 | M | 3 | 08 | 25.1997 | 34.5586 |
| 36 | 19 | F | 3 | 01 | 74.8417 | 76.1502 |
| 36 | 19 | F | 3 | 02 | 94.0955 | 76.8491 |
| 36 | 19 | F | 3 | 03 | 95.9695 | 22.4693 |
| 36 | 19 | F | 3 | 04 | 79.3490 | 21.3428 |
| 36 | 19 | F | 3 | 05 | 26.8561 | 64.2278 |
| 36 | 19 | F | 3 | 06 | 144.4075 | 64.6527 |
| 36 | 19 | F | 3 | 07 | 143.8078 | 34.3068 |
| 36 | 19 | F | 3 | 08 | 27.1794 | 34.2467 |
| 37 | 19 | F | 3 | 01 | 76.1453 | 76.3396 |
| 37 | 19 | F | 3 | 02 | 96.2854 | 76.2474 |
| 37 | 19 | F | 3 | 03 | 95.1438 | 22.0755 |
| 37 | 19 | F | 3 | 04 | 74.9090 | 22.2077 |
| 37 | 19 | F | 3 | 05 | 22.7539 | 62.9922 |
| 37 | 19 | F | 3 | 06 | 149.5842 | 63.0218 |
| 37 | 19 | F | 3 | 07 | 149.0057 | 35.7061 |
| 37 | 19 | F | 3 | 08 | 22.9471 | 35.1628 |
| 38 | 19 | M | 3 | 01 | 73.4705 | 76.0279 |
| 38 | 19 | M | 3 | 02 | 97.6521 | 76.1156 |
| 38 | 19 | M | 3 | 03 | 100.9577 | 23.7516 |
| 38 | 19 | M | 3 | 04 | 72.3548 | 23.3084 |
| 38 | 19 | M | 3 | 05 | 24.5491 | 63.7741 |
| 38 | 19 | M | 3 | 06 | 147.1819 | 63.8038 |
| 38 | 19 | M | 3 | 07 | 146.9427 | 35.1113 |
| 38 | 19 | M | 3 | 08 | 23.7830 | 35.3817 |
| 39 | 19 | M | 3 | 01 | 74.6192 | 76.0524 |
| 39 | 19 | M | 3 | 02 | 96.5357 | 75.9758 |
| 39 | 19 | M | 3 | 03 | 97.2207 | 22.4724 |
| 39 | 19 | M | 3 | 04 | 73.8721 | 22.3886 |
| 39 | 19 | M | 3 | 05 | 21.9733 | 62.8543 |
| 39 | 19 | M | 3 | 06 | 146.8932 | 63.2815 |
| 39 | 19 | M | 3 | 07 | 148.6335 | 35.1099 |
| 39 | 19 | M | 3 | 08 | 23.1717 | 35.1548 |
| 40 | 19 | M | 3 | 01 | 78.3506 | 77.0081 |
| 40 | 19 | M | 3 | 02 | 92.1549 | 77.1567 |
| 40 | 19 | M | 3 | 03 | 89.9365 | 21.0168 |
| 40 | 19 | M | 3 | 04 | 77.9008 | 21.4324 |
| 40 | 19 | M | 3 | 05 | 23.3485 | 63.1844 |
| 40 | 19 | M | 3 | 06 | 145.9813 | 64.1963 |
| 40 | 19 | M | 3 | 07 | 149.9904 | 36.1537 |
| 40 | 19 | M | 3 | 08 | 23.0270 | 35.0625 |
| 41 | 19 | M | 3 | 01 | 72.6245 | 75.2270 |
| 41 | 19 | M | 3 | 02 | 100.6408 | 74.9556 |
| 41 | 19 | M | 3 | 03 | 102.3731 | 23.8368 |
| 41 | 19 | M | 3 | 04 | 73.1760 | 22.4265 |
| 41 | 19 | M | 3 | 05 | 26.1121 | 63.6080 |
| 41 | 19 | M | 3 | 06 | 147.4645 | 63.6376 |
| 41 | 19 | M | 3 | 07 | 146.8105 | 34.8426 |
| 41 | 19 | M | 3 | 08 | 25.3911 | 34.1154 |
| 42 | 19 | M | 3 | 01 | 71.7951 | 75.5073 |
| 42 | 19 | M | 3 | 02 | 99.0821 | 75.4851 |
| 42 | 19 | M | 3 | 03 | 100.4037 | 23.3305 |
| 42 | 19 | M | 3 | 04 | 70.0984 | 23.3956 |
| 42 | 19 | M | 3 | 05 | 27.0692 | 64.5236 |
| 42 | 19 | M | 3 | 06 | 141.0946 | 65.0489 |
| 42 | 19 | M | 3 | 07 | 143.1786 | 33.8477 |
| 42 | 19 | M | 3 | 08 | 24.8721 | 34.7696 |
| 43 | 19 | M | 3 | 01 | 69.2879 | 74.7950 |
| 43 | 19 | M | 3 | 02 | 101.0252 | 75.0318 |
| 43 | 19 | M | 3 | 03 | 101.7827 | 23.8158 |
| 43 | 19 | M | 3 | 04 | 67.1990 | 24.2518 |
| 43 | 19 | M | 3 | 05 | 24.4228 | 63.6732 |
| 43 | 19 | M | 3 | 06 | 135.0860 | 66.7623 |
| 43 | 19 | M | 3 | 07 | 134.3987 | 31.9347 |
| 43 | 19 | M | 3 | 08 | 25.6211 | 34.6094 |
| 44 | 19 | M | 3 | 01 | 73.2601 | 75.8267 |
| 44 | 19 | M | 3 | 02 | 98.6703 | 75.5779 |
| 44 | 19 | M | 3 | 03 | 98.3088 | 23.0931 |
| 44 | 19 | M | 3 | 04 | 67.6532 | 24.2097 |
| 44 | 19 | M | 3 | 37 | 36.9331 | 66.8419 |
| 44 | 19 | M | 3 | 38 | 136.0617 | 66.5737 |
| 44 | 19 | M | 3 | 39 | 134.0014 | 31.9894 |
| 44 | 19 | M | 3 | 40 | 32.8701 | 32.5714 |
| 45 | 19 | M | 3 | 01 | 77.8130 | 77.3880 |
| 45 | 19 | M | 3 | 02 | 92.3921 | 77.1392 |
| 45 | 19 | M | 3 | 03 | 93.4944 | 21.8409 |
| 45 | 19 | M | 3 | 04 | 76.9074 | 21.9612 |
| 45 | 19 | M | 3 | 05 | 26.6384 | 64.5179 |

| 45 | 19 | M | 3 | 06 | 147.7629 | 63.4511 |
|---|---|---|---|---|---|---|
| 45 | 19 | M | 3 | 07 | 149.5237 | 35.6955 |
| 45 | 19 | M | 3 | 08 | 26.8342 | 34.4855 |
| 46 | 19 | M | 3 | 01 | 77.6515 | 76.6655 |
| 46 | 19 | M | 3 | 02 | 97.0976 | 75.8347 |
| 46 | 19 | M | 3 | 03 | 95.5049 | 22.1726 |
| 46 | 19 | M | 3 | 04 | 74.6029 | 22.4443 |
| 46 | 19 | M | 3 | 05 | 24.2916 | 63.7954 |
| 46 | 19 | M | 3 | 06 | 148.1325 | 63.2005 |
| 46 | 19 | M | 3 | 07 | 147.6182 | 34.8264 |
| 46 | 19 | M | 3 | 08 | 23.1858 | 35.4054 |
| 47 | 19 | F | 3 | 01 | 74.1403 | 75.9681 |
| 47 | 19 | F | 3 | 02 | 95.2379 | 76.2837 |
| 47 | 19 | F | 3 | 03 | 92.7914 | 21.6182 |
| 47 | 19 | F | 3 | 04 | 77.2117 | 21.4148 |
| 47 | 19 | F | 3 | 05 | 30.3373 | 65.1137 |
| 47 | 19 | F | 3 | 06 | 142.7561 | 64.5778 |
| 47 | 19 | F | 3 | 07 | 142.5129 | 33.6004 |
| 47 | 19 | F | 3 | 08 | 27.7114 | 33.8306 |
| 48 | 44 | M | 6 | 01 | 76.7638 | 76.5707 |
| 48 | 44 | M | 6 | 02 | 92.1080 | 77.1310 |
| 48 | 44 | M | 6 | 03 | 92.9929 | 21.7659 |
| 48 | 44 | M | 6 | 04 | 81.0087 | 21.0391 |
| 48 | 44 | M | 6 | 05 | 21.9739 | 62.9590 |
| 48 | 44 | M | 6 | 06 | 148.1237 | 63.7649 |
| 48 | 44 | M | 6 | 07 | 150.7479 | 36.1869 |
| 48 | 44 | M | 6 | 08 | 21.8441 | 35.4270 |
| 49 | 43 | M | 6 | 01 | 75.4992 | 76.0248 |
| 49 | 43 | M | 6 | 02 | 94.8616 | 76.2876 |
| 49 | 43 | M | 6 | 03 | 92.0036 | 21.2869 |
| 49 | 43 | M | 6 | 04 | 77.3594 | 21.5189 |
| 49 | 43 | M | 6 | 05 | 24.8639 | 63.5802 |
| 49 | 43 | M | 6 | 06 | 147.1845 | 63.7014 |
| 49 | 43 | M | 6 | 07 | 146.8239 | 34.7218 |
| 49 | 43 | M | 6 | 08 | 24.4852 | 34.6599 |
| 50 | 41 | M | 6 | 01 | 78.2482 | 76.9010 |
| 50 | 41 | M | 6 | 02 | 96.1299 | 76.3020 |
| 50 | 41 | M | 6 | 03 | 100.8511 | 23.5001 |
| 50 | 41 | M | 6 | 04 | 78.9776 | 21.4400 |
| 50 | 41 | M | 6 | 05 | 21.7769 | 62.6700 |
| 50 | 41 | M | 6 | 06 | 146.7062 | 63.8500 |
| 50 | 41 | M | 6 | 07 | 147.2165 | 34.7671 |
| 50 | 41 | M | 6 | 08 | 25.8479 | 34.3948 |
| 51 | 52 | M | 6 | 01 | 81.7158 | 67.6607 |
| 51 | 52 | M | 6 | 02 | 98.4822 | 67.9958 |
| 51 | 52 | M | 6 | 03 | 96.8228 | 12.2119 |
| 51 | 52 | M | 6 | 04 | 83.9017 | 12.4574 |
| 51 | 52 | M | 6 | 05 | 28.4378 | 54.4056 |
| 51 | 52 | M | 6 | 06 | 152.4164 | 54.4353 |
| 51 | 52 | M | 6 | 07 | 152.8739 | 25.9116 |
| 51 | 52 | M | 6 | 08 | 29.8356 | 25.3419 |
| 52 | 37 | F | 6 | 01 | 89.8521 | 75.9526 |
| 52 | 37 | F | 6 | 02 | 100.0225 | 76.0190 |
| 52 | 37 | F | 6 | 03 | 101.2869 | 19.8131 |
| 52 | 37 | F | 6 | 04 | 89.2471 | 19.6786 |
| 52 | 37 | F | 6 | 05 | 34.6552 | 61.9791 |
| 52 | 37 | F | 6 | 06 | 159.3810 | 61.2974 |
| 52 | 37 | F | 6 | 07 | 157.7252 | 34.0143 |
| 52 | 37 | F | 6 | 08 | 33.8051 | 33.2244 |
| 53 | 44 | M | 6 | 01 | 89.4766 | 70.5112 |
| 53 | 44 | M | 6 | 02 | 102.3809 | 70.9168 |
| 53 | 44 | M | 6 | 03 | 103.5545 | 15.0884 |
| 53 | 44 | M | 6 | 04 | 89.1787 | 15.2415 |
| 53 | 44 | M | 6 | 05 | 33.7339 | 57.6411 |
| 53 | 44 | M | 6 | 06 | 160.5355 | 55.9264 |
| 53 | 44 | M | 6 | 07 | 160.1018 | 28.0164 |
| 53 | 44 | M | 6 | 08 | 34.4036 | 29.3038 |
| 53 | 44 | M | 6 | 22 | 75.6027 | 41.8414 |
| 53 | 44 | M | 6 | 23 | 27.9822 | 43.0356 |
| 53 | 44 | M | 6 | 24 | 48.8614 | 43.4884 |
| 53 | 44 | M | 6 | 25 | 79.1032 | 41.8003 |
| 53 | 44 | M | 6 | 26 | 113.9829 | 41.7487 |
| 53 | 44 | M | 6 | 27 | 117.5590 | 41.5415 |
| 53 | 44 | M | 6 | 28 | 144.3179 | 42.3205 |
| 53 | 44 | M | 6 | 29 | 165.5153 | 41.7507 |
| 54 | 30 | M | 6 | 01 | 90.1266 | 70.9783 |
| 54 | 30 | M | 6 | 02 | 103.6289 | 70.4770 |
| 54 | 30 | M | 6 | 03 | 104.7758 | 15.5382 |
| 54 | 30 | M | 6 | 04 | 87.3645 | 15.5987 |
| 54 | 30 | M | 6 | 05 | 35.7503 | 58.5374 |
| 54 | 30 | M | 6 | 06 | 157.2628 | 56.7274 |
| 54 | 30 | M | 6 | 07 | 155.5835 | 27.1960 |
| 54 | 30 | M | 6 | 08 | 32.1206 | 30.0332 |
| 54 | 30 | M | 6 | 13 | 96.4661 | 63.6116 |
| 54 | 30 | M | 6 | 14 | 96.5649 | 59.9582 |
| 54 | 30 | M | 6 | 15 | 96.6807 | 22.3684 |
| 54 | 30 | M | 6 | 16 | 96.2675 | 26.0858 |
| 54 | 30 | M | 6 | 23 | 27.1679 | 44.2515 |
| 54 | 30 | M | 6 | 24 | 48.1261 | 44.3395 |
| 54 | 30 | M | 6 | 28 | 143.6895 | 42.0655 |
| 54 | 30 | M | 6 | 29 | 164.6453 | 43.1969 |
| 55 | 42 | M | 6 | 05 | 30.8376 | 60.0557 |
| 55 | 42 | M | 6 | 06 | 154.7039 | 61.1265 |
| 55 | 42 | M | 6 | 07 | 155.6090 | 32.7686 |
| 55 | 42 | M | 6 | 08 | 31.1334 | 32.1678 |
| 55 | 42 | M | 6 | 35 | 96.9304 | 17.9967 |
| 55 | 42 | M | 6 | 36 | 91.3254 | 17.8442 |
| 55 | 42 | M | 6 | 41 | 89.1459 | 74.9442 |
| 55 | 42 | M | 6 | 42 | 97.5855 | 75.0344 |

**Segmentation of the experiment B1**

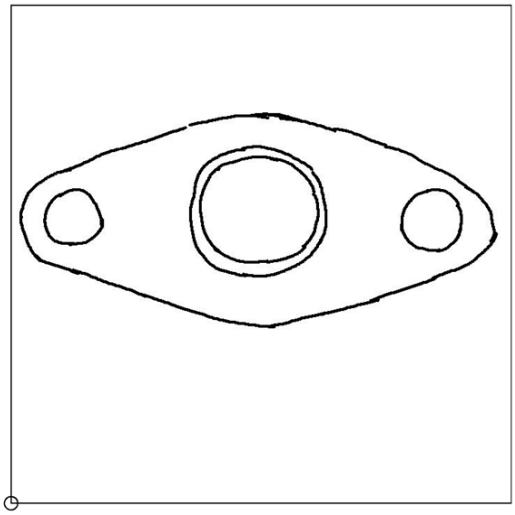

Figure 17: Pipe flange poor sketch given to the segmenters, within 15 x 15 cm square frames (B1).

Table 6: Segmentation points of the pipe flange poor sketch (experiment B1).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 19 | 0 | M | 4 | 01 | 62.2627 | 113.4888 |
| 19 | 0 | M | 4 | 02 | 88.4728 | 111.6879 |
| 19 | 0 | M | 4 | 03 | 85.3717 | 54.8525 |
| 19 | 0 | M | 4 | 04 | 64.2410 | 53.6203 |
| 19 | 0 | M | 4 | 05 | 15.1832 | 97.6582 |
| 19 | 0 | M | 4 | 06 | 132.8129 | 93.2389 |
| 19 | 0 | M | 4 | 07 | 131.8893 | 70.2651 |
| 19 | 0 | M | 4 | 08 | 8.7581 | 71.2050 |
| 22 | 30 | M | 4 | 01 | 56.8058 | 111.5391 |
| 22 | 30 | M | 4 | 02 | 91.8792 | 110.1924 |
| 22 | 30 | M | 4 | 03 | 92.1832 | 55.6554 |
| 22 | 30 | M | 4 | 04 | 59.7501 | 54.1748 |
| 22 | 30 | M | 4 | 05 | 17.6289 | 97.8610 |
| 22 | 30 | M | 4 | 06 | 133.3759 | 92.8469 |
| 22 | 30 | M | 4 | 07 | 129.5533 | 67.8834 |
| 22 | 30 | M | 4 | 08 | 17.7094 | 68.1812 |
| 23 | 25 | M | 4 | 01 | 52.7056 | 110.6295 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 23 | 25 | M | 4 | 02 | 95.5886 | 109.2562 |
| 23 | 25 | M | 4 | 03 | 91.8775 | 55.2863 |
| 23 | 25 | M | 4 | 04 | 57.1038 | 54.8743 |
| 23 | 25 | M | 4 | 05 | 14.4614 | 96.8066 |
| 23 | 25 | M | 4 | 06 | 135.9975 | 91.1289 |
| 23 | 25 | M | 4 | 07 | 134.5590 | 69.8796 |
| 23 | 25 | M | 4 | 08 | 16.1160 | 68.7564 |
| 25 | 24 | F | 4 | 01 | 70.7784 | 120.2960 |
| 25 | 24 | F | 4 | 02 | 98.4393 | 118.3220 |
| 25 | 24 | F | 4 | 03 | 98.0550 | 62.8416 |
| 25 | 24 | F | 4 | 04 | 66.8431 | 62.2626 |
| 25 | 24 | F | 4 | 05 | 18.7062 | 102.4278 |
| 25 | 24 | F | 4 | 06 | 145.0450 | 98.3374 |
| 25 | 24 | F | 4 | 07 | 147.3347 | 81.7512 |
| 25 | 24 | F | 4 | 08 | 16.0947 | 79.6533 |
| 27 | 32 | M | 2 | 01 | 52.5465 | 110.1249 |
| 27 | 32 | M | 2 | 02 | 95.3404 | 109.1194 |
| 27 | 32 | M | 2 | 03 | 89.7349 | 54.7304 |
| 27 | 32 | M | 2 | 04 | 59.1195 | 54.1186 |
| 27 | 32 | M | 2 | 05 | 14.8389 | 96.7268 |
| 27 | 32 | M | 2 | 06 | 132.5878 | 93.1171 |
| 27 | 32 | M | 2 | 07 | 131.4163 | 68.0437 |
| 27 | 32 | M | 2 | 08 | 19.6833 | 67.5550 |
| 36 | 19 | F | 3 | 01 | 47.8321 | 108.6978 |
| 36 | 19 | F | 3 | 02 | 88.7637 | 111.0711 |
| 36 | 19 | F | 3 | 03 | 93.1135 | 55.6824 |
| 36 | 19 | F | 3 | 04 | 63.1139 | 53.2921 |
| 36 | 19 | F | 3 | 05 | 17.1981 | 97.7465 |
| 36 | 19 | F | 3 | 06 | 122.8663 | 98.9984 |
| 36 | 19 | F | 3 | 07 | 124.8793 | 66.2801 |
| 36 | 19 | F | 3 | 08 | 21.5767 | 67.0751 |
| 40 | 19 | M | 3 | 01 | 62.0013 | 112.4815 |
| 40 | 19 | M | 3 | 02 | 86.9388 | 111.3490 |
| 40 | 19 | M | 3 | 03 | 85.9312 | 54.2180 |
| 40 | 19 | M | 3 | 04 | 58.8527 | 54.5955 |
| 40 | 19 | M | 3 | 05 | 12.6302 | 95.8708 |
| 40 | 19 | M | 3 | 06 | 134.2947 | 91.9698 |
| 40 | 19 | M | 3 | 07 | 132.9093 | 69.3187 |
| 40 | 19 | M | 3 | 08 | 8.7426 | 71.2328 |
| 41 | 19 | M | 3 | 01 | 51.8832 | 110.2980 |
| 41 | 19 | M | 3 | 02 | 95.6153 | 109.4433 |
| 41 | 19 | M | 3 | 03 | 94.8668 | 56.1337 |
| 41 | 19 | M | 3 | 04 | 51.7763 | 56.6678 |
| 41 | 19 | M | 3 | 05 | 17.2398 | 97.5849 |
| 41 | 19 | M | 3 | 06 | 127.2649 | 96.9439 |
| 41 | 19 | M | 3 | 07 | 125.5541 | 66.7101 |
| 41 | 19 | M | 3 | 08 | 20.0198 | 67.7785 |
| 42 | 19 | M | 3 | 01 | 56.6477 | 111.2586 |
| 42 | 19 | M | 3 | 02 | 92.6526 | 109.8254 |
| 42 | 19 | M | 3 | 03 | 88.0624 | 54.6458 |
| 42 | 19 | M | 3 | 04 | 54.7829 | 55.7924 |
| 42 | 19 | M | 3 | 05 | 16.6262 | 97.3562 |
| 42 | 19 | M | 3 | 06 | 125.7887 | 97.6428 |
| 42 | 19 | M | 3 | 07 | 126.2190 | 66.8283 |
| 42 | 19 | M | 3 | 08 | 16.3913 | 68.6876 |
| 43 | 19 | M | 3 | 01 | 52.2329 | 110.3944 |
| 43 | 19 | M | 3 | 02 | 95.5496 | 109.4350 |
| 43 | 19 | M | 3 | 03 | 99.0390 | 57.3167 |
| 43 | 19 | M | 3 | 04 | 49.2802 | 57.3512 |
| 43 | 19 | M | 3 | 05 | 18.5053 | 98.0258 |
| 43 | 19 | M | 3 | 06 | 120.6211 | 100.0237 |
| 43 | 19 | M | 3 | 07 | 121.4699 | 64.5723 |
| 43 | 19 | M | 3 | 08 | 21.0702 | 67.4729 |
| 54 | 30 | M | 6 | 01 | 53.0323 | 110.2830 |
| 54 | 30 | M | 6 | 02 | 95.5399 | 108.9898 |
| 54 | 30 | M | 6 | 03 | 85.0251 | 53.9256 |
| 54 | 30 | M | 6 | 04 | 62.5418 | 53.3151 |
| 54 | 30 | M | 6 | 05 | 16.6246 | 97.3918 |
| 54 | 30 | M | 6 | 06 | 134.2685 | 92.1390 |
| 54 | 30 | M | 6 | 07 | 131.7024 | 68.6982 |
| 54 | 30 | M | 6 | 08 | 9.6398 | 70.7205 |
| 54 | 30 | M | 6 | 09 | 15.4019 | 89.8751 |
| 54 | 30 | M | 6 | 10 | 22.7749 | 76.5229 |
| 54 | 30 | M | 6 | 11 | 124.4931 | 91.5286 |
| 54 | 30 | M | 6 | 12 | 123.7600 | 73.8259 |
| 54 | 30 | M | 6 | 13 | 72.3171 | 104.3478 |
| 54 | 30 | M | 6 | 14 | 73.1725 | 101.0514 |
| 54 | 30 | M | 6 | 15 | 73.9056 | 66.3785 |
| 54 | 30 | M | 6 | 16 | 73.6612 | 70.6516 |
| 54 | 30 | M | 6 | 24 | 25.5397 | 87.5730 |
| 55 | 42 | M | 6 | 03 | 82.5555 | 52.8344 |
| 55 | 42 | M | 6 | 04 | 68.9912 | 52.4909 |
| 55 | 42 | M | 6 | 05 | 14.7957 | 96.6851 |
| 55 | 42 | M | 6 | 06 | 137.3762 | 90.0401 |
| 55 | 42 | M | 6 | 07 | 136.4957 | 71.7110 |
| 55 | 42 | M | 6 | 08 | 9.7493 | 70.8806 |
| 55 | 42 | M | 6 | 13 | 63.1115 | 102.4522 |
| 55 | 42 | M | 6 | 20 | 3.8115 | 81.0670 |
| 55 | 42 | M | 6 | 21 | 54.3151 | 93.3437 |
| 55 | 42 | M | 6 | 22 | 52.8677 | 85.7712 |

**Segmentation of the experiment B2**

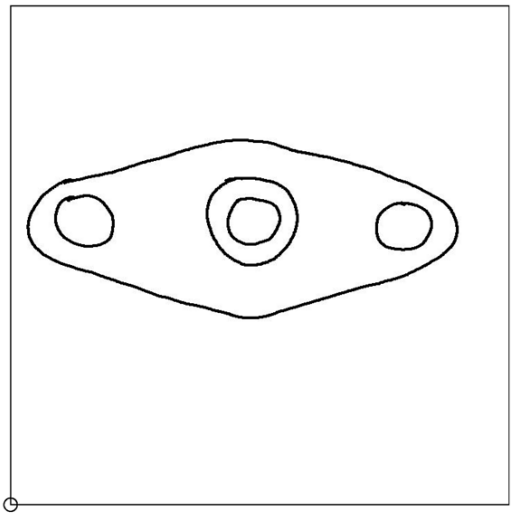

Figure 18: Pipe flange average sketch given to the segmenters, within 15 x 15 cm square frames (B2).

Table 7: Segmentation points of the pipe flange average sketch (experiment B2).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 18 | 25 | F | 4 | 01 | 62.8545 | 106.0320 |
| 18 | 25 | F | 4 | 02 | 77.6986 | 105.1763 |
| 18 | 25 | F | 4 | 03 | 80.2080 | 56.6147 |
| 18 | 25 | F | 4 | 04 | 63.9916 | 55.6554 |
| 18 | 25 | F | 4 | 05 | 18.0095 | 94.3496 |
| 18 | 25 | F | 4 | 06 | 121.7092 | 91.6848 |
| 18 | 25 | F | 4 | 07 | 124.5898 | 71.0052 |
| 18 | 25 | F | 4 | 08 | 17.1560 | 69.7260 |
| 21 | 25 | F | 4 | 01 | 46.8444 | 101.5521 |
| 21 | 25 | F | 4 | 02 | 82.5370 | 103.3598 |
| 21 | 25 | F | 4 | 03 | 78.9004 | 55.8369 |
| 21 | 25 | F | 4 | 04 | 63.1478 | 55.5948 |
| 21 | 25 | F | 4 | 05 | 17.8363 | 94.3958 |
| 21 | 25 | F | 4 | 06 | 127.4845 | 88.1786 |
| 21 | 25 | F | 4 | 07 | 127.2751 | 72.7954 |
| 21 | 25 | F | 4 | 08 | 15.1564 | 70.1360 |
| 26 | 27 | M | 4 | 01 | 53.3356 | 103.6963 |
| 26 | 27 | M | 4 | 02 | 84.0354 | 102.9881 |
| 26 | 27 | M | 4 | 03 | 83.3275 | 57.0813 |
| 26 | 27 | M | 4 | 04 | 56.0412 | 57.5015 |
| 26 | 27 | M | 4 | 05 | 17.9687 | 94.4883 |
| 26 | 27 | M | 4 | 06 | 123.7833 | 90.3136 |
| 26 | 27 | M | 4 | 07 | 121.4590 | 69.0234 |
| 26 | 27 | M | 4 | 08 | 14.5593 | 70.6637 |
| 28 | 33 | M | 2 | 01 | 56.7213 | 105.0247 |
| 28 | 33 | M | 2 | 02 | 85.5410 | 102.9770 |

| 28 | 33 | M | 2 | 03 | 82.4669 | 57.2888 |
|---|---|---|---|---|---|---|
| 28 | 33 | M | 2 | 04 | 57.5393 | 57.2485 |
| 28 | 33 | M | 2 | 05 | 15.8035 | 94.3470 |
| 28 | 33 | M | 2 | 06 | 121.2775 | 91.9466 |
| 28 | 33 | M | 2 | 07 | 121.7004 | 69.7923 |
| 28 | 33 | M | 2 | 08 | 10.8976 | 72.1857 |
| 29 | 46 | M | 2 | 05 | 19.1740 | 94.5467 |
| 29 | 46 | M | 2 | 06 | 125.7653 | 89.2895 |
| 29 | 46 | M | 2 | 07 | 124.5781 | 69.9851 |
| 29 | 46 | M | 2 | 08 | 20.6385 | 68.3766 |
| 35 | 19 | M | 3 | 01 | 55.4880 | 104.4633 |
| 35 | 19 | M | 3 | 02 | 83.2275 | 103.5583 |
| 35 | 19 | M | 3 | 03 | 83.4705 | 57.3502 |
| 35 | 19 | M | 3 | 04 | 58.7270 | 56.8802 |
| 35 | 19 | M | 3 | 05 | 17.4031 | 94.4371 |
| 35 | 19 | M | 3 | 06 | 121.8635 | 91.4006 |
| 35 | 19 | M | 3 | 07 | 122.7140 | 69.9266 |
| 35 | 19 | M | 3 | 08 | 17.8777 | 69.1750 |
| 37 | 19 | F | 3 | 01 | 60.8570 | 105.5521 |
| 37 | 19 | F | 3 | 02 | 77.4081 | 105.2542 |
| 37 | 19 | F | 3 | 03 | 79.1670 | 56.0540 |
| 37 | 19 | F | 3 | 04 | 60.8060 | 56.2170 |
| 37 | 19 | F | 3 | 05 | 16.5635 | 94.3382 |
| 37 | 19 | F | 3 | 06 | 126.8683 | 88.8424 |
| 37 | 19 | F | 3 | 07 | 126.6854 | 72.3875 |
| 37 | 19 | F | 3 | 08 | 14.4723 | 70.3121 |
| 39 | 19 | M | 3 | 01 | 58.3156 | 105.0946 |
| 39 | 19 | M | 3 | 02 | 81.3490 | 103.9094 |
| 39 | 19 | M | 3 | 03 | 81.8639 | 56.7913 |
| 39 | 19 | M | 3 | 04 | 55.4117 | 57.6366 |
| 39 | 19 | M | 3 | 05 | 18.3796 | 94.5624 |
| 39 | 19 | M | 3 | 06 | 123.8520 | 90.3548 |
| 39 | 19 | M | 3 | 07 | 123.2111 | 70.0784 |
| 39 | 19 | M | 3 | 08 | 16.7220 | 69.5448 |
| 45 | 19 | M | 3 | 01 | 59.0955 | 105.2673 |
| 45 | 19 | M | 3 | 02 | 79.8965 | 104.5877 |
| 45 | 19 | M | 3 | 03 | 79.5323 | 56.2074 |
| 45 | 19 | M | 3 | 04 | 62.8549 | 55.9081 |
| 45 | 19 | M | 3 | 05 | 16.0404 | 94.0519 |
| 45 | 19 | M | 3 | 06 | 127.6126 | 88.4333 |
| 45 | 19 | M | 3 | 07 | 130.0409 | 75.4085 |
| 45 | 19 | M | 3 | 08 | 15.2736 | 70.1731 |
| 47 | 19 | F | 3 | 01 | 60.8593 | 105.6189 |
| 47 | 19 | F | 3 | 02 | 77.0002 | 105.4156 |
| 47 | 19 | F | 3 | 03 | 80.9262 | 56.3832 |
| 47 | 19 | F | 3 | 04 | 58.8911 | 56.7691 |
| 47 | 19 | F | 3 | 05 | 18.7121 | 94.4947 |
| 47 | 19 | F | 3 | 06 | 121.4620 | 91.5629 |
| 47 | 19 | F | 3 | 07 | 120.9437 | 68.7648 |
| 47 | 19 | F | 3 | 08 | 15.6307 | 70.0016 |
| 49 | 43 | M | 6 | 01 | 58.3281 | 105.0892 |
| 49 | 43 | M | 6 | 02 | 81.7245 | 103.9106 |
| 49 | 43 | M | 6 | 03 | 82.8018 | 57.3477 |
| 49 | 43 | M | 6 | 04 | 59.0233 | 56.9086 |
| 49 | 43 | M | 6 | 05 | 16.2281 | 94.1140 |
| 49 | 43 | M | 6 | 06 | 124.0246 | 90.3423 |
| 49 | 43 | M | 6 | 07 | 121.4835 | 69.4411 |
| 49 | 43 | M | 6 | 08 | 13.4080 | 70.8551 |
| 51 | 52 | M | 6 | 01 | 57.2316 | 104.9098 |
| 51 | 52 | M | 6 | 02 | 80.4293 | 104.4317 |
| 51 | 52 | M | 6 | 03 | 80.4816 | 56.5924 |
| 51 | 52 | M | 6 | 04 | 61.4145 | 56.3443 |
| 51 | 52 | M | 6 | 05 | 18.0034 | 94.5259 |
| 51 | 52 | M | 6 | 06 | 120.6347 | 92.1369 |
| 51 | 52 | M | 6 | 07 | 120.3708 | 69.2831 |
| 51 | 52 | M | 6 | 08 | 17.0890 | 69.3533 |
| 52 | 37 | F | 6 | 01 | 52.9918 | 103.7013 |
| 52 | 37 | F | 6 | 02 | 82.9833 | 103.3431 |
| 52 | 37 | F | 6 | 03 | 84.4172 | 57.6182 |
| 52 | 37 | F | 6 | 04 | 53.0822 | 58.2930 |
| 52 | 37 | F | 6 | 05 | 18.6255 | 94.3431 |
| 52 | 37 | F | 6 | 06 | 118.7772 | 92.8582 |
| 52 | 37 | F | 6 | 07 | 117.1704 | 67.0014 |
| 52 | 37 | F | 6 | 08 | 22.1638 | 68.3630 |

**Segmentation of the experiment B3**

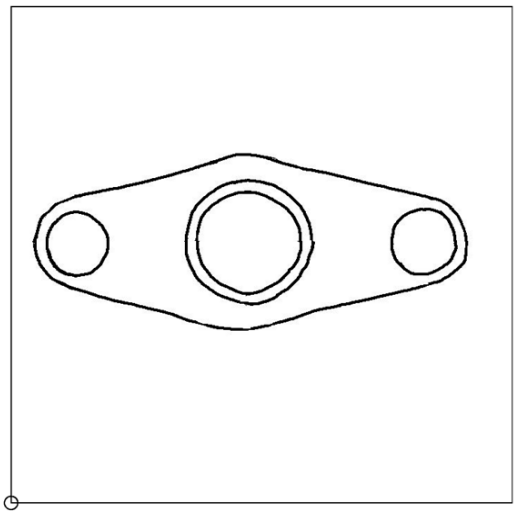

Figure 19: Pipe flange good sketch given to the segmenters, within 15 x 15 cm square frames (B3).

Table 8: Segmentation points of the pipe flange good sketch (experiment B3).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 20 | 26 | M | 4 | 01 | 63.2564 | 100.9686 |
| 20 | 26 | M | 4 | 02 | 74.2106 | 101.2408 |
| 20 | 26 | M | 4 | 03 | 77.4102 | 51.9044 |
| 20 | 26 | M | 4 | 04 | 57.0012 | 51.8290 |
| 20 | 26 | M | 4 | 05 | 19.3026 | 89.6764 |
| 20 | 26 | M | 4 | 06 | 126.2681 | 88.3600 |
| 20 | 26 | M | 4 | 07 | 127.5024 | 65.4473 |
| 20 | 26 | M | 4 | 08 | 16.7651 | 63.4921 |
| 24 | 22 | M | 4 | 01 | 59.4089 | 99.7595 |
| 24 | 22 | M | 4 | 02 | 85.1281 | 97.8684 |
| 24 | 22 | M | 4 | 03 | 81.7879 | 53.4823 |
| 24 | 22 | M | 4 | 04 | 56.9594 | 51.5912 |
| 24 | 22 | M | 4 | 05 | 19.8838 | 89.8589 |
| 24 | 22 | M | 4 | 06 | 125.9893 | 88.5240 |
| 24 | 22 | M | 4 | 07 | 122.4264 | 63.3830 |
| 24 | 22 | M | 4 | 08 | 18.1023 | 62.7155 |
| 24 | 22 | M | 4 | 22 | 51.8379 | 76.6209 |
| 24 | 22 | M | 4 | 23 | 11.4220 | 75.6197 |
| 24 | 22 | M | 4 | 24 | 29.0135 | 75.5085 |
| 24 | 22 | M | 4 | 25 | 55.1780 | 75.9535 |
| 24 | 22 | M | 4 | 26 | 84.7940 | 76.3984 |
| 24 | 22 | M | 4 | 27 | 88.5795 | 75.6197 |
| 24 | 22 | M | 4 | 28 | 111.7379 | 76.6209 |
| 24 | 22 | M | 4 | 29 | 130.1088 | 76.3984 |
| 30 | 44 | M | 2 | 01 | 58.1591 | 100.1768 |
| 30 | 44 | M | 2 | 02 | 78.4242 | 100.4129 |
| 30 | 44 | M | 2 | 03 | 84.2217 | 55.1797 |
| 30 | 44 | M | 2 | 04 | 53.6965 | 53.2503 |
| 30 | 44 | M | 2 | 05 | 22.2642 | 90.8984 |
| 30 | 44 | M | 2 | 06 | 122.6190 | 89.9784 |
| 30 | 44 | M | 2 | 07 | 120.6219 | 64.0519 |
| 30 | 44 | M | 2 | 08 | 21.8699 | 61.6583 |
| 31 | 34 | M | 4 | 01 | 60.6667 | 100.0699 |
| 31 | 34 | M | 4 | 02 | 77.8265 | 99.9447 |
| 31 | 34 | M | 4 | 03 | 78.0770 | 52.5142 |
| 31 | 34 | M | 4 | 04 | 62.6708 | 51.0125 |
| 31 | 34 | M | 4 | 05 | 19.3331 | 89.5576 |
| 31 | 34 | M | 4 | 06 | 121.1641 | 90.3085 |
| 31 | 34 | M | 4 | 07 | 121.9194 | 63.4776 |
| 31 | 34 | M | 4 | 08 | 19.3331 | 63.0265 |
| 32 | 19 | M | 3 | 01 | 60.6408 | 99.7757 |
| 32 | 19 | M | 3 | 02 | 80.5738 | 99.3265 |

| 32 | 19 | M | 3 | 03 | 79.3748 | 52.6063 |
|---|---|---|---|---|---|---|
| 32 | 19 | M | 3 | 04 | 60.0413 | 51.2586 |
| 32 | 19 | M | 3 | 05 | 14.1804 | 87.3469 |
| 32 | 19 | M | 3 | 06 | 126.4347 | 88.5449 |
| 32 | 19 | M | 3 | 07 | 127.7836 | 64.8853 |
| 32 | 19 | M | 3 | 08 | 13.4310 | 65.1848 |
| 33 | 19 | F | 3 | 01 | 61.8796 | 100.7447 |
| 33 | 19 | F | 3 | 02 | 76.9608 | 100.5424 |
| 33 | 19 | F | 3 | 03 | 77.5303 | 52.5408 |
| 33 | 19 | F | 3 | 04 | 57.6478 | 51.9051 |
| 33 | 19 | F | 3 | 05 | 15.0333 | 88.1650 |
| 33 | 19 | F | 3 | 06 | 125.5637 | 88.8846 |
| 33 | 19 | F | 3 | 07 | 123.0324 | 64.1755 |
| 33 | 19 | F | 3 | 08 | 13.7617 | 64.8136 |
| 34 | 19 | F | 3 | 01 | 57.2003 | 98.9304 |
| 34 | 19 | F | 3 | 02 | 83.0771 | 98.8124 |
| 34 | 19 | F | 3 | 03 | 82.2500 | 53.5961 |
| 34 | 19 | F | 3 | 04 | 60.3906 | 51.2350 |
| 34 | 19 | F | 3 | 05 | 14.7812 | 87.8330 |
| 34 | 19 | F | 3 | 06 | 126.7960 | 87.9510 |
| 34 | 19 | F | 3 | 07 | 125.7325 | 64.5755 |
| 34 | 19 | F | 3 | 08 | 16.0810 | 63.8672 |
| 38 | 19 | M | 3 | 01 | 58.3454 | 99.3969 |
| 38 | 19 | M | 3 | 02 | 77.2976 | 100.4765 |
| 38 | 19 | M | 3 | 03 | 78.9836 | 52.6798 |
| 38 | 19 | M | 3 | 04 | 55.7293 | 52.2884 |
| 38 | 19 | M | 3 | 05 | 19.1274 | 89.6037 |
| 38 | 19 | M | 3 | 06 | 121.0060 | 89.9486 |
| 38 | 19 | M | 3 | 07 | 119.8185 | 62.8870 |
| 38 | 19 | M | 3 | 08 | 16.3833 | 63.5631 |
| 44 | 19 | M | 3 | 01 | 58.8245 | 99.3851 |
| 44 | 19 | M | 3 | 02 | 78.4278 | 100.0294 |
| 44 | 19 | M | 3 | 03 | 80.2496 | 52.9987 |
| 44 | 19 | M | 3 | 04 | 58.7663 | 51.4799 |
| 44 | 19 | M | 3 | 05 | 19.6018 | 89.7315 |
| 44 | 19 | M | 3 | 06 | 122.0082 | 89.7008 |
| 44 | 19 | M | 3 | 07 | 122.2484 | 63.7809 |
| 44 | 19 | M | 3 | 08 | 18.0537 | 62.8204 |
| 46 | 19 | M | 3 | 01 | 61.0040 | 100.3456 |
| 46 | 19 | M | 3 | 02 | 78.4400 | 99.9802 |
| 46 | 19 | M | 3 | 03 | 79.4154 | 52.7118 |
| 46 | 19 | M | 3 | 04 | 58.6880 | 51.4199 |
| 46 | 19 | M | 3 | 05 | 18.1623 | 89.1394 |
| 46 | 19 | M | 3 | 06 | 124.5555 | 88.9430 |
| 46 | 19 | M | 3 | 07 | 125.3539 | 64.6098 |
| 46 | 19 | M | 3 | 08 | 20.7651 | 61.8718 |
| 48 | 44 | M | 6 | 01 | 59.1482 | 99.7219 |
| 48 | 44 | M | 6 | 02 | 76.2925 | 100.9032 |
| 48 | 44 | M | 6 | 03 | 81.4651 | 53.3964 |
| 48 | 44 | M | 6 | 04 | 61.9870 | 50.9027 |
| 48 | 44 | M | 6 | 05 | 17.6760 | 88.9620 |
| 48 | 44 | M | 6 | 06 | 122.7349 | 89.4325 |
| 48 | 44 | M | 6 | 07 | 127.7762 | 65.8319 |
| 48 | 44 | M | 6 | 08 | 15.4689 | 64.0946 |
| 48 | 44 | M | 6 | 31 | 10.1806 | 84.1467 |
| 48 | 44 | M | 6 | 32 | 9.1027 | 69.5403 |
| 48 | 44 | M | 6 | 33 | 129.0970 | 86.5624 |
| 48 | 44 | M | 6 | 34 | 132.8953 | 70.2552 |
| 50 | 41 | M | 6 | 01 | 60.0955 | 99.9571 |
| 50 | 41 | M | 6 | 02 | 81.4767 | 99.1472 |
| 50 | 41 | M | 6 | 03 | 81.3352 | 53.2284 |
| 50 | 41 | M | 6 | 04 | 53.7066 | 52.8306 |
| 50 | 41 | M | 6 | 05 | 19.0434 | 89.6456 |
| 50 | 41 | M | 6 | 06 | 123.8792 | 89.2637 |
| 50 | 41 | M | 6 | 07 | 122.2232 | 63.5545 |
| 50 | 41 | M | 6 | 08 | 16.2784 | 63.6643 |
| 53 | 44 | M | 6 | 01 | 59.9096 | 100.2810 |
| 53 | 44 | M | 6 | 02 | 76.8282 | 100.7379 |
| 53 | 44 | M | 6 | 03 | 79.9815 | 53.5885 |
| 53 | 44 | M | 6 | 04 | 55.4978 | 52.4230 |
| 53 | 44 | M | 6 | 05 | 16.6463 | 88.8792 |
| 53 | 44 | M | 6 | 06 | 123.4548 | 89.6295 |
| 53 | 44 | M | 6 | 07 | 122.2949 | 64.3177 |
| 53 | 44 | M | 6 | 08 | 14.2567 | 64.4028 |
| 53 | 44 | M | 6 | 22 | 51.1278 | 75.4048 |
| 53 | 44 | M | 6 | 23 | 10.6737 | 75.4048 |
| 53 | 44 | M | 6 | 24 | 28.3788 | 76.3304 |
| 53 | 44 | M | 6 | 25 | 54.7306 | 75.8162 |
| 53 | 44 | M | 6 | 26 | 84.4793 | 76.6390 |
| 53 | 44 | M | 6 | 27 | 88.0821 | 76.7418 |
| 53 | 44 | M | 6 | 28 | 111.2428 | 76.6390 |
| 53 | 44 | M | 6 | 29 | 129.9608 | 76.8170 |

### 6.3 Segmentation points in the rocker arm example

This annex includes detailed information of the segmentation points marked by every segmenter in the two variants (E, F) of the rocker arm.

**Segmentation of the experiment E**

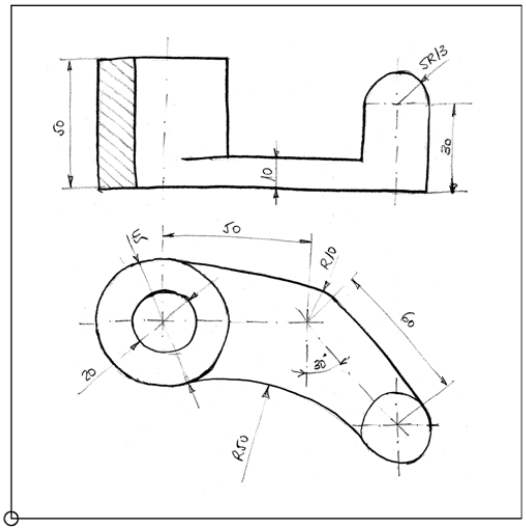


Figure 20: Rocker arm sketches given to the segmenters, within 15 x 15 cm square frames (experiment E).

Table 9: Segmentation points of the rocker arm sketch with auxiliary lines (experiment E).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 42 | M | 1 | A01 | 25,8652 | 93,6037 |
| 1 | 42 | M | 1 | A02 | 26,1831 | 130,2294 |
| 1 | 42 | M | 1 | A03 | 62,8405 | 130,2294 |
| 1 | 42 | M | 1 | A04 | 62,9464 | 102,7072 |
| 1 | 42 | M | 1 | A05 | 50,0210 | 101,8604 |
| 1 | 42 | M | 1 | A06 | 100,9812 | 102,0721 |
| 1 | 42 | M | 1 | A07 | 102,2525 | 117,7385 |
| 1 | 42 | M | 1 | A08 | 120,4753 | 117,4210 |
| 1 | 42 | M | 1 | A09 | 119,7337 | 92,9686 |
| 1 | 42 | M | 1 | A11 | 51,0855 | 38,1850 |
| 1 | 42 | M | 1 | A12 | 49,6935 | 72,5459 |
| 1 | 42 | M | 1 | A13 | 85,8038 | 65,1828 |
| 1 | 42 | M | 1 | A14 | 93,4188 | 61,9104 |
| 1 | 42 | M | 1 | A15 | 118,2313 | 31,8216 |
| 1 | 42 | M | 1 | A16 | 101,4751 | 20,9656 |
| 1 | 42 | M | 1 | A17 | 81,4293 | 35,2222 |
| 1 | 42 | M | 1 | A26 | 43,7447 | 63,8662 |
| 1 | 42 | M | 1 | A29 | 36,3539 | 130,7586 |
| 1 | 42 | M | 1 | A31 | 36,7777 | 93,8155 |
| 1 | 42 | M | 1 | A36 | 120,4567 | 26,3282 |
| 2 | 23 | M | 1 | A01 | 26,1913 | 93,4911 |
| 2 | 23 | M | 1 | A02 | 26,1154 | 129,8574 |
| 2 | 23 | M | 1 | A03 | 62,8166 | 130,1604 |
| 2 | 23 | M | 1 | A04 | 62,8924 | 102,5069 |

| 2 | 23 | M | 1 | A05 | 49,8499 | 101,7493 |
|---|---|---|---|---|---|---|
| 2 | 23 | M | 1 | A06 | 100,9585 | 101,5220 |
| 2 | 23 | M | 1 | A07 | 102,3993 | 117,7353 |
| 2 | 23 | M | 1 | A08 | 120,8599 | 117,5008 |
| 2 | 23 | M | 1 | A09 | 119,5708 | 92,3474 |
| 2 | 23 | M | 1 | A11 | 51,1794 | 38,0796 |
| 2 | 23 | M | 1 | A12 | 47,7026 | 73,3524 |
| 2 | 23 | M | 1 | A13 | 86,0817 | 65,4695 |
| 2 | 23 | M | 1 | A14 | 92,7680 | 62,7973 |
| 2 | 23 | M | 1 | A15 | 117,6408 | 32,4681 |
| 2 | 23 | M | 1 | A16 | 101,9950 | 20,3096 |
| 2 | 23 | M | 1 | A29 | 36,2733 | 130,6101 |
| 2 | 23 | M | 1 | A31 | 36,8799 | 93,7134 |
| 3 | 21 | M | 1 | A01 | 26,0288 | 93,6426 |
| 3 | 21 | M | 1 | A02 | 25,7644 | 130,1768 |
| 3 | 21 | M | 1 | A03 | 62,6828 | 130,2648 |
| 3 | 21 | M | 1 | A04 | 62,7710 | 102,6221 |
| 3 | 21 | M | 1 | A05 | 49,7306 | 102,1819 |
| 3 | 21 | M | 1 | A06 | 101,0991 | 101,4776 |
| 3 | 21 | M | 1 | A07 | 102,1565 | 117,4999 |
| 3 | 21 | M | 1 | A08 | 120,8576 | 117,5806 |
| 3 | 21 | M | 1 | A09 | 119,8884 | 92,4908 |
| 3 | 21 | M | 1 | A11 | 51,2241 | 38,4720 |
| 3 | 21 | M | 1 | A12 | 47,2392 | 73,4309 |
| 3 | 21 | M | 1 | A15 | 118,0926 | 32,2570 |
| 3 | 21 | M | 1 | A16 | 103,0025 | 19,4423 |
| 3 | 21 | M | 1 | A17 | 74,3559 | 37,4038 |
| 3 | 21 | M | 1 | A18 | 91,7534 | 63,2346 |
| 3 | 21 | M | 1 | A29 | 36,4831 | 130,5326 |
| 3 | 21 | M | 1 | A31 | 36,4056 | 93,7707 |
| 4 | 21 | M | 1 | A01 | 26,1973 | 93,5066 |
| 4 | 21 | M | 1 | A02 | 25,9821 | 129,9875 |
| 4 | 21 | M | 1 | A03 | 62,6382 | 130,2742 |
| 4 | 21 | M | 1 | A04 | 62,7816 | 103,0389 |
| 4 | 21 | M | 1 | A05 | 49,6543 | 101,8922 |
| 4 | 21 | M | 1 | A06 | 100,7289 | 101,8205 |
| 4 | 21 | M | 1 | A07 | 101,8766 | 117,5883 |
| 4 | 21 | M | 1 | A08 | 120,4907 | 117,9429 |
| 4 | 21 | M | 1 | A09 | 119,8451 | 92,7861 |
| 4 | 21 | M | 1 | A11 | 50,7343 | 38,2395 |
| 4 | 21 | M | 1 | A12 | 48,3515 | 72,7605 |
| 4 | 21 | M | 1 | A13 | 84,9873 | 65,7174 |
| 4 | 21 | M | 1 | A14 | 92,9301 | 62,0471 |
| 4 | 21 | M | 1 | A15 | 118,4586 | 32,0460 |
| 4 | 21 | M | 1 | A16 | 102,5551 | 19,8232 |
| 4 | 21 | M | 1 | A29 | 36,4952 | 130,9235 |
| 4 | 21 | M | 1 | A31 | 36,5017 | 93,8512 |
| 5 | 20 | M | 1 | A01 | 25,6960 | 93,7293 |
| 5 | 20 | M | 1 | A02 | 25,5449 | 130,1629 |
| 5 | 20 | M | 1 | A03 | 62,5502 | 130,4558 |
| 5 | 20 | M | 1 | A04 | 62,6235 | 102,7809 |
| 5 | 20 | M | 1 | A05 | 50,4594 | 102,0487 |
| 5 | 20 | M | 1 | A06 | 100,8983 | 102,1182 |
| 5 | 20 | M | 1 | A07 | 101,9242 | 117,7860 |
| 5 | 20 | M | 1 | A08 | 120,5414 | 117,5054 |
| 5 | 20 | M | 1 | A09 | 119,4497 | 92,5637 |
| 5 | 20 | M | 1 | A11 | 50,9416 | 38,4221 |
| 5 | 20 | M | 1 | A12 | 48,9516 | 72,8583 |
| 5 | 20 | M | 1 | A13 | 85,4077 | 65,6212 |
| 5 | 20 | M | 1 | A14 | 92,3328 | 62,3604 |
| 5 | 20 | M | 1 | A15 | 117,6841 | 32,3567 |
| 5 | 20 | M | 1 | A16 | 100,5704 | 22,4155 |
| 5 | 20 | M | 1 | A29 | 35,9721 | 130,7144 |
| 5 | 20 | M | 1 | A31 | 36,4248 | 93,7147 |
| 6 | 20 | M | 1 | A01 | 26,0345 | 93,5041 |
| 6 | 20 | M | 1 | A02 | 25,8743 | 129,9937 |
| 6 | 20 | M | 1 | A03 | 62,5558 | 130,4739 |
| 6 | 20 | M | 1 | A04 | 63,0363 | 102,5465 |
| 6 | 20 | M | 1 | A05 | 49,5811 | 101,9064 |
| 6 | 20 | M | 1 | A06 | 100,9639 | 101,7431 |
| 6 | 20 | M | 1 | A07 | 102,1653 | 117,9874 |
| 6 | 20 | M | 1 | A08 | 120,6662 | 117,7473 |
| 6 | 20 | M | 1 | A09 | 119,7051 | 92,7008 |
| 6 | 20 | M | 1 | A11 | 50,6024 | 38,2397 |
| 6 | 20 | M | 1 | A12 | 48,9218 | 72,8529 |
| 6 | 20 | M | 1 | A13 | 86,3288 | 65,4373 |
| 6 | 20 | M | 1 | A14 | 94,1402 | 61,0181 |
| 6 | 20 | M | 1 | A15 | 118,2624 | 32,0863 |
| 6 | 20 | M | 1 | A16 | 100,7391 | 22,2882 |
| 6 | 20 | M | 1 | A29 | 36,2633 | 130,6424 |
| 6 | 20 | M | 1 | A31 | 36,6424 | 93,8005 |
| 6 | 20 | M | 1 | A45 | 49,9013 | 48,3449 |
| 7 | 20 | M | 0 | A01 | 25,5900 | 93,3636 |
| 7 | 20 | M | 0 | A02 | 25,5900 | 130,1892 |
| 7 | 20 | M | 0 | A03 | 62,4476 | 130,8601 |
| 7 | 20 | M | 0 | A04 | 62,7460 | 102,6073 |
| 7 | 20 | M | 0 | A06 | 100,6481 | 102,0109 |
| 7 | 20 | M | 0 | A07 | 101,7673 | 117,7400 |
| 7 | 20 | M | 0 | A08 | 120,3110 | 117,8833 |
| 7 | 20 | M | 0 | A09 | 119,4157 | 92,9105 |
| 7 | 20 | M | 0 | A11 | 43,2423 | 37,7367 |
| 7 | 20 | M | 0 | A12 | 43,5265 | 73,4621 |
| 7 | 20 | M | 0 | A15 | 117,8421 | 32,2625 |
| 7 | 20 | M | 0 | A16 | 102,2862 | 20,0454 |
| 7 | 20 | M | 0 | A29 | 36,1022 | 131,0111 |
| 7 | 20 | M | 0 | A31 | 36,3260 | 93,8128 |
| 8 | 18 | M | 0 | A01 | 25,6665 | 93,5485 |
| 8 | 18 | M | 0 | A02 | 25,7481 | 130,2859 |
| 8 | 18 | M | 0 | A03 | 62,5989 | 130,6932 |
| 8 | 18 | M | 0 | A04 | 62,8434 | 102,8347 |
| 8 | 18 | M | 0 | A06 | 100,9172 | 102,1016 |
| 8 | 18 | M | 0 | A07 | 101,9770 | 117,9858 |
| 8 | 18 | M | 0 | A08 | 120,5917 | 117,6577 |
| 8 | 18 | M | 0 | A09 | 119,6134 | 92,8132 |
| 8 | 18 | M | 0 | A11 | 51,0259 | 38,3525 |
| 8 | 18 | M | 0 | A12 | 37,1331 | 72,3760 |
| 8 | 18 | M | 0 | A13 | 86,4168 | 65,6147 |
| 8 | 18 | M | 0 | A14 | 92,5322 | 62,3800 |
| 8 | 18 | M | 0 | A15 | 118,0213 | 32,0158 |
| 8 | 18 | M | 0 | A16 | 103,5530 | 19,1400 |
| 8 | 18 | M | 0 | A29 | 36,0924 | 130,7770 |
| 8 | 18 | M | 0 | A31 | 36,5001 | 93,6323 |
| 9 | 18 | F | 0 | A01 | 25,7221 | 93,5442 |
| 9 | 18 | F | 0 | A02 | 25,5206 | 130,1184 |
| 9 | 18 | F | 0 | A03 | 62,7983 | 130,3197 |
| 9 | 18 | F | 0 | A04 | 62,4624 | 102,5367 |
| 9 | 18 | F | 0 | A05 | 49,7007 | 101,9999 |
| 9 | 18 | F | 0 | A06 | 100,8979 | 101,6550 |
| 9 | 18 | F | 0 | A07 | 102,0049 | 117,5084 |
| 9 | 18 | F | 0 | A08 | 120,6660 | 117,1924 |
| 9 | 18 | F | 0 | A09 | 119,6117 | 92,4906 |
| 9 | 18 | F | 0 | A15 | 117,8650 | 31,8698 |
| 9 | 18 | F | 0 | A16 | 102,7612 | 19,6281 |
| 9 | 18 | F | 0 | A17 | 79,1444 | 36,0446 |
| 9 | 18 | F | 0 | A25 | 44,1103 | 73,3901 |
| 9 | 18 | F | 0 | A26 | 43,7861 | 64,3944 |
| 9 | 18 | F | 0 | A27 | 44,6603 | 47,0076 |
| 9 | 18 | F | 0 | A28 | 44,4416 | 37,3917 |
| 9 | 18 | F | 0 | A29 | 36,1997 | 130,6472 |
| 9 | 18 | F | 0 | A31 | 36,7288 | 93,8375 |
| 10 | 18 | F | 0 | A01 | 25,5937 | 93,2215 |
| 10 | 18 | F | 0 | A02 | 25,9607 | 130,1070 |
| 10 | 18 | F | 0 | A03 | 62,7314 | 130,4003 |
| 10 | 18 | F | 0 | A04 | 62,8782 | 102,5345 |
| 10 | 18 | F | 0 | A06 | 100,6765 | 101,5812 |
| 10 | 18 | F | 0 | A07 | 102,1444 | 117,7140 |
| 10 | 18 | F | 0 | A08 | 120,7512 | 117,5639 |
| 10 | 18 | F | 0 | A09 | 119,3567 | 92,5580 |
| 10 | 18 | F | 0 | A11 | 52,2526 | 38,8398 |
| 10 | 18 | F | 0 | A12 | 49,0909 | 72,6852 |
| 10 | 18 | F | 0 | A13 | 85,4527 | 65,7825 |
| 10 | 18 | F | 0 | A14 | 93,2601 | 62,0434 |
| 10 | 18 | F | 0 | A15 | 117,8489 | 32,5449 |
| 10 | 18 | F | 0 | A16 | 101,9762 | 20,6184 |
| 10 | 18 | F | 0 | A29 | 36,4592 | 130,6245 |
| 10 | 18 | F | 0 | A31 | 36,7528 | 93,7390 |
| 11 | 18 | M | 0 | A01 | 26,0792 | 93,4216 |
| 11 | 18 | M | 0 | A02 | 25,7699 | 129,0321 |
| 11 | 18 | M | 0 | A03 | 62,8803 | 129,8818 |
| 11 | 18 | M | 0 | A04 | 63,1123 | 102,6139 |

| 11 | 18 | M | 0 | A06 | 100,9185 | 101,6869 |
|---|---|---|---|---|---|---|
| 11 | 18 | M | 0 | A07 | 102,0421 | 117,2809 |
| 11 | 18 | M | 0 | A08 | 120,7519 | 118,2851 |
| 11 | 18 | M | 0 | A09 | 119,6696 | 92,3303 |
| 11 | 18 | M | 0 | A11 | 51,5138 | 38,1838 |
| 11 | 18 | M | 0 | A15 | 119,9123 | 29,1414 |
| 11 | 18 | M | 0 | A16 | 102,7032 | 19,5752 |
| 11 | 18 | M | 0 | A18 | 90,7339 | 63,7161 |
| 11 | 18 | M | 0 | A22 | 35,2882 | 56,6277 |
| 11 | 18 | M | 0 | A23 | 53,5963 | 56,4599 |
| 12 | 18 | M | 0 | A01 | 25,8951 | 93,5023 |
| 12 | 18 | M | 0 | A02 | 25,7563 | 130,3383 |
| 12 | 18 | M | 0 | A03 | 62,7631 | 130,4077 |
| 12 | 18 | M | 0 | A04 | 62,9714 | 102,8674 |
| 12 | 18 | M | 0 | A06 | 101,1219 | 101,7486 |
| 12 | 18 | M | 0 | A07 | 102,3022 | 117,7733 |
| 12 | 18 | M | 0 | A08 | 121,0486 | 117,7039 |
| 12 | 18 | M | 0 | A09 | 119,6600 | 92,6610 |
| 12 | 18 | M | 0 | A11 | 51,4616 | 38,6537 |
| 12 | 18 | M | 0 | A12 | 49,1369 | 72,8787 |
| 12 | 18 | M | 0 | A13 | 85,7847 | 65,7741 |
| 12 | 18 | M | 0 | A14 | 92,8955 | 62,4950 |
| 12 | 18 | M | 0 | A15 | 118,6048 | 31,8019 |
| 12 | 18 | M | 0 | A16 | 102,3755 | 20,0909 |
| 12 | 18 | M | 0 | A29 | 36,4487 | 130,7545 |
| 12 | 18 | M | 0 | A31 | 36,7958 | 93,8492 |
| 13 | 18 | F | 0 | A01 | 26,3998 | 93,2667 |
| 13 | 18 | F | 0 | A02 | 25,8932 | 130,1490 |
| 13 | 18 | F | 0 | A03 | 62,8075 | 130,3388 |
| 13 | 18 | F | 0 | A04 | 63,1875 | 102,6296 |
| 13 | 18 | F | 0 | A06 | 101,3421 | 102,3117 |
| 13 | 18 | F | 0 | A07 | 102,2286 | 117,7478 |
| 13 | 18 | F | 0 | A08 | 120,8440 | 117,8111 |
| 13 | 18 | F | 0 | A09 | 119,8943 | 92,6957 |
| 13 | 18 | F | 0 | A11 | 53,0390 | 38,8586 |
| 13 | 18 | F | 0 | A12 | 49,7463 | 72,4686 |
| 13 | 18 | F | 0 | A15 | 118,2217 | 32,2480 |
| 13 | 18 | F | 0 | A16 | 100,5122 | 22,8230 |
| 13 | 18 | F | 0 | A18 | 91,5727 | 63,2214 |
| 13 | 18 | F | 0 | A29 | 36,2788 | 130,7196 |
| 13 | 18 | F | 0 | A31 | 36,7854 | 93,9638 |
| 14 | 18 | M | 0 | A01 | 26,1526 | 94,3542 |
| 14 | 18 | M | 0 | A02 | 25,8583 | 129,4918 |
| 14 | 18 | M | 0 | A03 | 62,4243 | 130,3004 |
| 14 | 18 | M | 0 | A05 | 50,9468 | 101,9257 |
| 14 | 18 | M | 0 | A06 | 100,6667 | 101,5309 |
| 14 | 18 | M | 0 | A07 | 102,0460 | 117,6480 |
| 14 | 18 | M | 0 | A08 | 120,7336 | 117,3539 |
| 14 | 18 | M | 0 | A11 | 51,0488 | 38,4641 |
| 14 | 18 | M | 0 | A12 | 43,6491 | 73,4470 |
| 14 | 18 | M | 0 | A15 | 117,5087 | 32,8317 |
| 14 | 18 | M | 0 | A16 | 102,5636 | 19,8234 |
| 14 | 18 | M | 0 | A18 | 90,3988 | 64,1131 |
| 14 | 18 | M | 0 | A47 | 101,2367 | 92,6548 |
| 15 | 51 | M | 5 | A01 | 26,1314 | 93,4427 |
| 15 | 51 | M | 5 | A02 | 25,7780 | 130,1632 |
| 15 | 51 | M | 5 | A03 | 62,7424 | 130,4457 |
| 15 | 51 | M | 5 | A04 | 62,9545 | 102,5522 |
| 15 | 51 | M | 5 | A05 | 49,8084 | 101,9873 |
| 15 | 51 | M | 5 | A06 | 101,0953 | 101,5556 |
| 15 | 51 | M | 5 | A07 | 102,1555 | 117,5149 |
| 15 | 51 | M | 5 | A08 | 120,8851 | 117,5855 |
| 15 | 51 | M | 5 | A09 | 119,6868 | 92,7134 |
| 15 | 51 | M | 5 | A11 | 50,3542 | 38,1220 |
| 15 | 51 | M | 5 | A12 | 47,3136 | 73,1747 |
| 15 | 51 | M | 5 | A13 | 86,8701 | 65,2155 |
| 15 | 51 | M | 5 | A14 | 92,4055 | 62,5671 |
| 15 | 51 | M | 5 | A15 | 117,8295 | 32,5812 |
| 15 | 51 | M | 5 | A16 | 102,1043 | 20,4766 |
| 15 | 51 | M | 5 | A29 | 36,3797 | 130,7987 |
| 15 | 51 | M | 5 | A31 | 36,8038 | 93,7958 |
| 15 | 51 | M | 5 | A48 | 106,7822 | 101,4144 |
| 16 | 50 | M | 5 | A01 | 26,2357 | 93,6459 |
| 16 | 50 | M | 5 | A02 | 25,9779 | 130,0311 |
| 16 | 50 | M | 5 | A03 | 62,9104 | 130,2887 |
| 16 | 50 | M | 5 | A04 | 63,2971 | 102,6617 |
| 16 | 50 | M | 5 | A05 | 50,2128 | 101,8245 |
| 16 | 50 | M | 5 | A06 | 101,0425 | 101,9528 |
| 16 | 50 | M | 5 | A07 | 102,2026 | 117,2153 |
| 16 | 50 | M | 5 | A08 | 120,8944 | 117,4729 |
| 16 | 50 | M | 5 | A09 | 119,5409 | 92,4218 |
| 16 | 50 | M | 5 | A11 | 51,5576 | 38,4005 |
| 16 | 50 | M | 5 | A12 | 50,0977 | 72,5822 |
| 16 | 50 | M | 5 | A13 | 89,9829 | 64,2107 |
| 16 | 50 | M | 5 | A14 | 92,9413 | 62,3721 |
| 16 | 50 | M | 5 | A15 | 118,4282 | 31,9559 |
| 16 | 50 | M | 5 | A16 | 100,3658 | 23,0339 |
| 16 | 50 | M | 5 | A29 | 36,2323 | 130,4821 |
| 16 | 50 | M | 5 | A31 | 36,6834 | 93,7105 |
| 16 | 50 | M | 5 | A46 | 37,1480 | 72,5812 |
| 16 | 50 | M | 5 | A49 | 51,4833 | 61,9186 |
| 16 | 50 | M | 5 | A50 | 37,3073 | 50,0625 |
| 17 | 48 | F | 5 | A05 | 49,6612 | 101,9349 |
| 17 | 48 | F | 5 | A06 | 101,0962 | 101,6488 |
| 17 | 48 | F | 5 | A07 | 101,9551 | 117,2853 |
| 17 | 48 | F | 5 | A08 | 120,8496 | 117,4759 |
| 17 | 48 | F | 5 | A09 | 119,0365 | 92,4005 |
| 17 | 48 | F | 5 | A11 | 50,8333 | 38,2317 |
| 17 | 48 | F | 5 | A12 | 49,6588 | 72,6816 |
| 17 | 48 | F | 5 | A13 | 90,1221 | 64,1108 |
| 17 | 48 | F | 5 | A14 | 92,7227 | 62,4344 |
| 17 | 48 | F | 5 | A15 | 117,3033 | 33,0136 |
| 17 | 48 | F | 5 | A16 | 100,5247 | 22,3685 |
| 18 | 43 | M | 5 | A01 | 26,1777 | 93,5248 |
| 18 | 43 | M | 5 | A02 | 25,7551 | 130,3281 |
| 18 | 43 | M | 5 | A03 | 62,6607 | 130,5392 |
| 18 | 43 | M | 5 | A04 | 62,8720 | 102,4618 |
| 18 | 43 | M | 5 | A06 | 100,6500 | 101,5161 |
| 18 | 43 | M | 5 | A07 | 102,1138 | 116,1414 |
| 18 | 43 | M | 5 | A08 | 121,1431 | 117,3789 |
| 18 | 43 | M | 5 | A09 | 120,0171 | 92,7410 |
| 18 | 43 | M | 5 | A11 | 52,2558 | 38,9038 |
| 18 | 43 | M | 5 | A12 | 50,3912 | 72,4368 |
| 18 | 43 | M | 5 | A15 | 120,0274 | 28,8340 |
| 18 | 43 | M | 5 | A16 | 103,4927 | 19,1826 |
| 19 | 42 | F | 5 | A01 | 26,7110 | 93,4558 |
| 19 | 42 | F | 5 | A02 | 26,2614 | 130,2272 |
| 19 | 42 | F | 5 | A03 | 62,9363 | 130,0989 |
| 19 | 42 | F | 5 | A04 | 63,1932 | 102,3117 |
| 19 | 42 | F | 5 | A05 | 49,8335 | 101,8625 |
| 19 | 42 | F | 5 | A06 | 100,8686 | 101,4081 |
| 19 | 42 | F | 5 | A07 | 102,1532 | 117,4515 |
| 19 | 42 | F | 5 | A08 | 120,7797 | 117,3873 |
| 19 | 42 | F | 5 | A09 | 119,5594 | 92,3596 |
| 19 | 42 | F | 5 | A11 | 51,3280 | 38,4789 |
| 19 | 42 | F | 5 | A12 | 49,7467 | 72,5411 |
| 19 | 42 | F | 5 | A13 | 85,8891 | 65,4141 |
| 19 | 42 | F | 5 | A14 | 92,8730 | 62,6389 |
| 19 | 42 | F | 5 | A15 | 117,5012 | 32,4824 |
| 19 | 42 | F | 5 | A16 | 100,4636 | 22,5640 |
| 19 | 42 | F | 5 | A29 | 36,2826 | 130,6116 |
| 19 | 42 | F | 5 | A31 | 36,6680 | 93,7759 |
| 20 | 41 | M | 5 | A01 | 26,1506 | 93,5574 |
| 20 | 41 | M | 5 | A02 | 25,8882 | 130,3336 |
| 20 | 41 | M | 5 | A03 | 62,8931 | 130,3336 |
| 20 | 41 | M | 5 | A04 | 63,1556 | 102,6040 |
| 20 | 41 | M | 5 | A05 | 50,3613 | 101,9484 |
| 20 | 41 | M | 5 | A06 | 100,7241 | 101,5505 |
| 20 | 41 | M | 5 | A07 | 102,4300 | 117,8081 |
| 20 | 41 | M | 5 | A08 | 121,1293 | 117,5458 |
| 20 | 41 | M | 5 | A09 | 119,8170 | 92,5040 |
| 20 | 41 | M | 5 | A11 | 52,0666 | 38,8336 |
| 20 | 41 | M | 5 | A12 | 49,9990 | 72,5960 |
| 20 | 41 | M | 5 | A13 | 85,5353 | 65,6886 |
| 20 | 41 | M | 5 | A14 | 92,6425 | 62,5254 |
| 20 | 41 | M | 5 | A15 | 116,7471 | 33,9307 |
| 20 | 41 | M | 5 | A16 | 99,7622 | 23,5972 |
| 20 | 41 | M | 5 | A29 | 36,3306 | 130,5953 |
| 20 | 41 | M | 5 | A31 | 36,3962 | 93,8191 |
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| 21 | 39 | F | 5 | A13 | 84,6822 | 66,6300 |
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| 21 | 39 | F | 5 | A16 | 101,0376 | 22,6668 |
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| 22 | 19 | M | 3 | A02 | 26,5867 | 130,1540 |
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| 22 | 19 | M | 3 | A08 | 121,2874 | 116,6210 |
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| 22 | 19 | M | 3 | A21 | 25,1028 | 55,1886 |
| 22 | 19 | M | 3 | A22 | 35,6623 | 55,6328 |
| 22 | 19 | M | 3 | A23 | 53,7802 | 55,4107 |
| 22 | 19 | M | 3 | A24 | 63,3393 | 55,0775 |
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| 23 | 19 | M | 3 | A01 | 26,7849 | 93,4414 |
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| 23 | 19 | M | 3 | A03 | 63,6605 | 130,0237 |
| 23 | 19 | M | 3 | A04 | 63,2682 | 102,1950 |
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| 24 | 19 | M | 3 | A01 | 26,4446 | 93,5973 |
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| 27 | 19 | M | 3 | A16 | 102,7184 | 18,9774 |
| 27 | 19 | M | 3 | A18 | 92,6333 | 62,1764 |
| 27 | 19 | M | 3 | A29 | 37,4644 | 130,3813 |
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| 29 | 19 | F | 3 | A01 | 26,3851 | 93,5076 |
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| 29 | 19 | F | 3 | A13 | 87,7965 | 64,6154 |
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| 29 | 19 | F | 3 | A15 | 117,9492 | 31,5811 |
| 29 | 19 | F | 3 | A16 | 101,4841 | 20,3354 |
| 29 | 19 | F | 3 | A29 | 37,1296 | 130,4841 |
| 29 | 19 | F | 3 | A31 | 37,0632 | 93,5076 |
| 30 | 19 | F | 3 | A01 | 26,2116 | 93,5652 |
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| 30 | 19 | F | 3 | A03 | 63,3224 | 130,1888 |
| 30 | 19 | F | 3 | A04 | 62,8670 | 102,3609 |
| 30 | 19 | F | 3 | A06 | 101,6473 | 101,7543 |
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| 31 | 19 | F | 3 | A16 | 100,9590 | 21,3037 |
| 31 | 19 | F | 3 | A18 | 91,8453 | 62,9886 |
| 31 | 19 | F | 3 | A29 | 37,1324 | 130,7182 |
| 31 | 19 | F | 3 | A31 | 37,4092 | 93,5853 |
| 32 | 19 | F | 3 | A01 | 26,5469 | 93,4812 |
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| 32 | 19 | F | 3 | A05 | 50,7199 | 101,6160 |
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| 32 | 19 | F | 3 | A14 | 93,6674 | 61,2437 |
| 32 | 19 | F | 3 | A15 | 118,1579 | 31,2654 |
| 32 | 19 | F | 3 | A16 | 101,9255 | 19,6372 |
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| 32 | 19 | F | 3 | A31 | 37,1265 | 93,5464 |
| 33 | 19 | M | 3 | A01 | 26,7452 | 93,5058 |
| 33 | 19 | M | 3 | A02 | 26,6718 | 129,9963 |
| 33 | 19 | M | 3 | A03 | 63,6340 | 130,0696 |
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| 33 | 19 | M | 3 | A09 | 120,3558 | 92,1127 |
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| 33 | 19 | M | 3 | A12 | 44,4031 | 73,2830 |
| 33 | 19 | M | 3 | A13 | 86,5398 | 64,8630 |
| 33 | 19 | M | 3 | A14 | 93,6985 | 61,2414 |
| 33 | 19 | M | 3 | A15 | 118,3827 | 31,2180 |
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| 33 | 19 | M | 3 | A28 | 43,1344 | 37,5205 |
| 33 | 19 | M | 3 | A29 | 37,2327 | 130,2510 |
| 33 | 19 | M | 3 | A31 | 37,4906 | 93,5355 |
| 34 | 19 | M | 3 | A01 | 27,5024 | 93,1462 |
| 34 | 19 | M | 3 | A02 | 26,9674 | 129,9653 |
| 34 | 19 | M | 3 | A03 | 64,0192 | 129,2303 |
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| 35 | 19 | M | 3 | A13 | 87,3090 | 64,3256 |
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| 35 | 19 | M | 3 | A16 | 103,0862 | 18,3352 |
| 35 | 19 | M | 3 | A29 | 37,5441 | 130,4327 |
| 35 | 19 | M | 3 | A31 | 37,3423 | 93,3945 |
| 36 | 19 | F | 3 | A01 | 26,7076 | 93,1670 |
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| 36 | 19 | F | 3 | A29 | 37,1540 | 130,3155 |
| 36 | 19 | F | 3 | A31 | 37,2915 | 93,4416 |
| 37 | 19 | M | 3 | A01 | 26,9104 | 93,4762 |
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| 37 | 19 | M | 3 | A29 | 37,5816 | 130,4422 |
| 37 | 19 | M | 3 | A31 | 37,5816 | 93,4060 |
| 37 | 19 | M | 3 | A44 | 50,2185 | 93,4060 |
| 38 | 19 | M | 3 | A01 | 26,4917 | 93,4322 |
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| 38 | 19 | M | 3 | A03 | 63,5687 | 129,7008 |
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| 41 | 26 | M | 4 | A01 | 25,8557 | 93,6523 |
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| 41 | 26 | M | 4 | A15 | 120,2598 | 26,1535 |
| 41 | 26 | M | 4 | A16 | 100,6701 | 22,1842 |
| 41 | 26 | M | 4 | A26 | 43,9597 | 64,3249 |
| 41 | 26 | M | 4 | A27 | 44,0239 | 46,8833 |
| 42 | 22 | M | 4 | A01 | 26,1573 | 93,8393 |
| 42 | 22 | M | 4 | A02 | 25,8244 | 130,0915 |
| 42 | 22 | M | 4 | A03 | 63,1068 | 130,2911 |
| 42 | 22 | M | 4 | A04 | 63,2399 | 102,4866 |
| 42 | 22 | M | 4 | A05 | 50,0580 | 101,9545 |
| 42 | 22 | M | 4 | A06 | 101,3263 | 101,3542 |
| 42 | 22 | M | 4 | A07 | 102,3213 | 117,3186 |
| 42 | 22 | M | 4 | A08 | 121,1090 | 117,7279 |
| 42 | 22 | M | 4 | A09 | 119,7043 | 92,2901 |
| 42 | 22 | M | 4 | A11 | 52,9239 | 38,9772 |
| 42 | 22 | M | 4 | A12 | 49,9625 | 72,5107 |
| 42 | 22 | M | 4 | A13 | 86,1574 | 65,1958 |
| 42 | 22 | M | 4 | A14 | 92,9028 | 61,9904 |
| 42 | 22 | M | 4 | A15 | 120,6005 | 26,0695 |
| 42 | 22 | M | 4 | A16 | 100,3928 | 22,3927 |
| 42 | 22 | M | 4 | A21 | 24,9696 | 55,1185 |
| 42 | 22 | M | 4 | A22 | 35,2575 | 55,8470 |
| 42 | 22 | M | 4 | A23 | 53,6462 | 56,0898 |
| 42 | 22 | M | 4 | A24 | 62,8000 | 55,6851 |
| 42 | 22 | M | 4 | A29 | 36,5431 | 130,4241 |
| 42 | 22 | M | 4 | A31 | 36,9426 | 93,7063 |
| 42 | 22 | M | 4 | A41 | 100,7156 | 25,8760 |
| 43 | 30 | M | 4 | A01 | 26,2505 | 93,3555 |
| 43 | 30 | M | 4 | A02 | 25,8696 | 130,1944 |
| 43 | 30 | M | 4 | A03 | 62,6643 | 130,4988 |
| 43 | 30 | M | 4 | A04 | 63,1213 | 102,7174 |
| 43 | 30 | M | 4 | A05 | 50,4756 | 101,9563 |
| 43 | 30 | M | 4 | A06 | 100,8107 | 101,4164 |
| 43 | 30 | M | 4 | A07 | 102,1058 | 117,4763 |
| 43 | 30 | M | 4 | A08 | 120,7698 | 117,1718 |
| 43 | 30 | M | 4 | A09 | 119,7794 | 92,7394 |
| 43 | 30 | M | 4 | A11 | 50,3093 | 37,9924 |
| 43 | 30 | M | 4 | A12 | 49,8476 | 72,5205 |
| 43 | 30 | M | 4 | A13 | 87,3076 | 65,2064 |
| 43 | 30 | M | 4 | A14 | 93,4411 | 61,6481 |
| 43 | 30 | M | 4 | A15 | 118,3707 | 31,5122 |
| 43 | 30 | M | 4 | A16 | 100,4019 | 22,6446 |
| 43 | 30 | M | 4 | A19 | 107,6767 | 35,0738 |
| 43 | 30 | M | 4 | A20 | 113,3511 | 15,5214 |

| 43 | 30 | M | 4 | A25 | 43,9045 | 73,4799 |
|---|---|---|---|---|---|---|
| 43 | 30 | M | 4 | A26 | 43,9045 | 64,2095 |
| 43 | 30 | M | 4 | A27 | 43,4287 | 46,9628 |
| 43 | 30 | M | 4 | A28 | 42,9111 | 37,7057 |
| 43 | 30 | M | 4 | A29 | 36,2300 | 130,8794 |
| 43 | 30 | M | 4 | A31 | 37,0680 | 93,8883 |
| 44 | 25 | F | 4 | A01 | 26,3325 | 93,6654 |
| 44 | 25 | F | 4 | A02 | 26,1026 | 130,1874 |
| 44 | 25 | F | 4 | A03 | 63,1161 | 130,4171 |
| 44 | 25 | F | 4 | A04 | 63,1161 | 102,5471 |
| 44 | 25 | F | 4 | A05 | 50,3185 | 102,0877 |
| 44 | 25 | F | 4 | A06 | 100,7118 | 101,3969 |
| 44 | 25 | F | 4 | A07 | 102,0912 | 117,4758 |
| 44 | 25 | F | 4 | A08 | 120,9428 | 117,0164 |
| 44 | 25 | F | 4 | A09 | 119,7167 | 92,1324 |
| 44 | 25 | F | 4 | A11 | 52,5923 | 38,8379 |
| 44 | 25 | F | 4 | A12 | 44,8949 | 73,5214 |
| 44 | 25 | F | 4 | A13 | 86,0230 | 65,5291 |
| 44 | 25 | F | 4 | A14 | 93,4940 | 61,6084 |
| 44 | 25 | F | 4 | A15 | 118,7053 | 31,6692 |
| 44 | 25 | F | 4 | A16 | 102,0900 | 20,1068 |
| 44 | 25 | F | 4 | A29 | 36,7545 | 130,6468 |
| 44 | 25 | F | 4 | A31 | 36,7545 | 93,6654 |
| 45 | 25 | F | 4 | A01 | 26,2071 | 93,3747 |
| 45 | 25 | F | 4 | A02 | 26,0505 | 130,2135 |
| 45 | 25 | F | 4 | A03 | 63,2344 | 130,3699 |
| 45 | 25 | F | 4 | A04 | 63,2344 | 102,5258 |
| 45 | 25 | F | 4 | A05 | 50,1613 | 101,9000 |
| 45 | 25 | F | 4 | A06 | 101,0235 | 101,4198 |
| 45 | 25 | F | 4 | A07 | 102,1977 | 117,6101 |
| 45 | 25 | F | 4 | A08 | 120,8288 | 117,3754 |
| 45 | 25 | F | 4 | A09 | 119,8894 | 92,3470 |
| 45 | 25 | F | 4 | A11 | 53,4924 | 39,2556 |
| 45 | 25 | F | 4 | A12 | 49,7151 | 72,6830 |
| 45 | 25 | F | 4 | A13 | 90,0324 | 64,2106 |
| 45 | 25 | F | 4 | A14 | 94,1951 | 60,8217 |
| 45 | 25 | F | 4 | A15 | 116,9176 | 33,3633 |
| 45 | 25 | F | 4 | A16 | 100,6307 | 22,2618 |
| 45 | 25 | F | 4 | A18 | 92,3450 | 62,3621 |
| 45 | 25 | F | 4 | A29 | 36,5403 | 130,6828 |
| 45 | 25 | F | 4 | A31 | 36,6185 | 93,6094 |
| 45 | 25 | F | 4 | A36 | 120,4314 | 26,1521 |
| 45 | 25 | F | 4 | A41 | 100,9631 | 26,0572 |
| 46 | 24 | M | 4 | A01 | 25,9831 | 93,4672 |
| 46 | 24 | M | 4 | A02 | 26,0630 | 129,9802 |
| 46 | 24 | M | 4 | A03 | 62,9276 | 129,7405 |
| 46 | 24 | M | 4 | A04 | 62,9276 | 102,5755 |
| 46 | 24 | M | 4 | A05 | 49,5732 | 101,9363 |
| 46 | 24 | M | 4 | A06 | 100,4319 | 101,4569 |
| 46 | 24 | M | 4 | A07 | 101,9813 | 117,7588 |
| 46 | 24 | M | 4 | A08 | 120,7734 | 117,1995 |
| 46 | 24 | M | 4 | A09 | 119,4939 | 92,5912 |
| 46 | 24 | M | 4 | A11 | 51,1196 | 38,3361 |
| 46 | 24 | M | 4 | A12 | 48,2847 | 73,1123 |
| 46 | 24 | M | 4 | A13 | 89,0759 | 64,6149 |
| 46 | 24 | M | 4 | A14 | 94,9820 | 59,6581 |
| 46 | 24 | M | 4 | A15 | 118,6546 | 31,2080 |
| 46 | 24 | M | 4 | A16 | 102,0471 | 20,3481 |
| 47 | 25 | F | 4 | A01 | 26,0759 | 93,7772 |
| 47 | 25 | F | 4 | A02 | 25,8806 | 130,2035 |
| 47 | 25 | F | 4 | A03 | 62,8594 | 130,2686 |
| 47 | 25 | F | 4 | A04 | 63,1849 | 102,4935 |
| 47 | 25 | F | 4 | A05 | 49,5783 | 102,1683 |
| 47 | 25 | F | 4 | A06 | 101,0988 | 101,4486 |
| 47 | 25 | F | 4 | A07 | 102,2435 | 117,8034 |
| 47 | 25 | F | 4 | A08 | 120,6729 | 117,3460 |
| 47 | 25 | F | 4 | A09 | 119,9289 | 92,3562 |
| 47 | 25 | F | 4 | A11 | 50,8256 | 38,4469 |
| 47 | 25 | F | 4 | A12 | 44,3903 | 73,7304 |
| 47 | 25 | F | 4 | A13 | 86,0593 | 65,4520 |
| 47 | 25 | F | 4 | A14 | 92,9773 | 62,2371 |
| 47 | 25 | F | 4 | A15 | 118,2558 | 32,0658 |
| 47 | 25 | F | 4 | A16 | 102,2513 | 19,8377 |
| 47 | 25 | F | 4 | A29 | 36,2321 | 130,7239 |
| 47 | 25 | F | 4 | A31 | 36,8180 | 93,9073 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 48 | 29 | M | 4 | A01 | 26,0960 | 93,4566 |
| 48 | 29 | M | 4 | A02 | 25,9657 | 129,9856 |
| 48 | 29 | M | 4 | A03 | 62,8369 | 130,2473 |
| 48 | 29 | M | 4 | A04 | 63,0989 | 102,3725 |
| 48 | 29 | M | 4 | A05 | 49,8043 | 101,9144 |
| 48 | 29 | M | 4 | A06 | 101,3075 | 101,3616 |
| 48 | 29 | M | 4 | A07 | 102,2279 | 117,1799 |
| 48 | 29 | M | 4 | A08 | 121,1032 | 117,1543 |
| 48 | 29 | M | 4 | A09 | 119,9099 | 92,0789 |
| 48 | 29 | M | 4 | A11 | 50,9177 | 38,4015 |
| 48 | 29 | M | 4 | A13 | 85,9082 | 65,3351 |
| 48 | 29 | M | 4 | A14 | 92,6920 | 62,2136 |
| 48 | 29 | M | 4 | A15 | 118,4974 | 31,7941 |
| 48 | 29 | M | 4 | A16 | 100,1429 | 22,8348 |
| 48 | 29 | M | 4 | A25 | 44,1208 | 73,4876 |
| 48 | 29 | M | 4 | A26 | 43,9450 | 64,4416 |
| 48 | 29 | M | 4 | A27 | 43,7692 | 46,9646 |
| 48 | 29 | M | 4 | A28 | 44,1208 | 37,3917 |
| 48 | 29 | M | 4 | A29 | 36,4442 | 130,7708 |
| 48 | 29 | M | 4 | A31 | 37,0675 | 93,8773 |
| 48 | 29 | M | 4 | A44 | 47,5968 | 93,8123 |
| 48 | 29 | M | 4 | A47 | 101,9518 | 92,7168 |
| 49 | 27 | M | 4 | A01 | 26,6373 | 93,3398 |
| 49 | 27 | M | 4 | A02 | 26,6373 | 129,9274 |
| 49 | 27 | M | 4 | A03 | 63,0086 | 129,7622 |
| 49 | 27 | M | 4 | A04 | 63,0086 | 102,5900 |
| 49 | 27 | M | 4 | A05 | 50,6093 | 101,7641 |
| 49 | 27 | M | 4 | A06 | 101,2812 | 101,1859 |
| 49 | 27 | M | 4 | A07 | 102,5212 | 116,7955 |
| 49 | 27 | M | 4 | A08 | 120,8270 | 117,4296 |
| 49 | 27 | M | 4 | A09 | 120,0485 | 92,2796 |
| 49 | 27 | M | 4 | A11 | 50,7761 | 38,4743 |
| 49 | 27 | M | 4 | A12 | 49,4164 | 72,7232 |
| 49 | 27 | M | 4 | A13 | 85,9136 | 65,5016 |
| 49 | 27 | M | 4 | A14 | 92,8552 | 61,9981 |
| 49 | 27 | M | 4 | A15 | 117,9694 | 32,2259 |
| 49 | 27 | M | 4 | A16 | 102,0186 | 20,2170 |
| 49 | 27 | M | 4 | A29 | 36,6394 | 129,8448 |
| 49 | 27 | M | 4 | A31 | 37,0527 | 93,8354 |
| 50 | | M | 4 | A01 | 25,7843 | 93,7571 |
| 50 | | M | 4 | A02 | 25,2930 | 129,9194 |
| 50 | | M | 4 | A03 | 62,4694 | 130,4921 |
| 50 | | M | 4 | A04 | 62,5513 | 102,7568 |
| 50 | | M | 4 | A06 | 100,7438 | 101,4439 |
| 50 | | M | 4 | A07 | 101,9721 | 118,5433 |
| 50 | | M | 4 | A08 | 120,2042 | 117,8433 |
| 50 | | M | 4 | A09 | 119,3274 | 93,0763 |
| 50 | | M | 4 | A11 | 50,9399 | 38,3410 |
| 50 | | M | 4 | A12 | 45,1581 | 73,5345 |
| 50 | | M | 4 | A13 | 85,6302 | 65,7137 |
| 50 | | M | 4 | A14 | 92,6573 | 62,4254 |
| 50 | | M | 4 | A15 | 118,1404 | 32,0106 |
| 50 | | M | 4 | A16 | 103,6211 | 19,0367 |
| 50 | | M | 4 | A26 | 44,0907 | 64,4695 |
| 50 | | M | 4 | A27 | 43,4681 | 47,3171 |

**Segmentation of the test F**

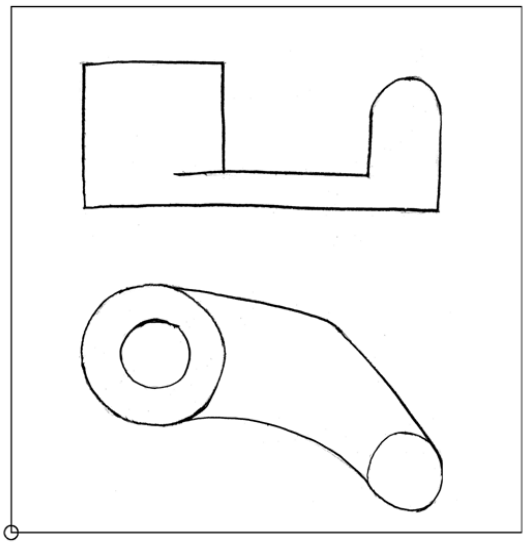

Figure 21: Rocker arm sketches given to the segmenters, within 15 x 15 cm square frames (experiment F).

Table 10: Segmentation points of the rocker arm sketch with auxiliary lines (experiment F).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 24 | M | 1 | A01 | 21,9734 | 89,7078 |
| 1 | 24 | M | 1 | A02 | 21,6120 | 129,1434 |
| 1 | 24 | M | 1 | A03 | 61,1541 | 129,7934 |
| 1 | 24 | M | 1 | A04 | 61,5879 | 99,8194 |
| 1 | 24 | M | 1 | A05 | 47,8529 | 99,0972 |
| 1 | 24 | M | 1 | A06 | 102,1877 | 98,5182 |
| 1 | 24 | M | 1 | A07 | 103,5612 | 115,9970 |
| 1 | 24 | M | 1 | A08 | 123,6576 | 117,2249 |
| 1 | 24 | M | 1 | A09 | 122,2622 | 89,0936 |
| 1 | 24 | M | 1 | A11 | 50,3151 | 30,8107 |
| 1 | 24 | M | 1 | A12 | 47,7169 | 67,2660 |
| 1 | 24 | M | 1 | A15 | 121,1874 | 23,9170 |
| 1 | 24 | M | 1 | A16 | 104,7253 | 10,3006 |
| 1 | 24 | M | 1 | A23 | 51,5292 | 48,6744 |
| 1 | 24 | M | 1 | A24 | 61,5724 | 48,6744 |
| 1 | 24 | M | 1 | A36 | 123,7162 | 13,9914 |
| 2 | 22 | M | 1 | A01 | 22,9967 | 89,6391 |
| 2 | 22 | M | 1 | A02 | 22,7633 | 129,0465 |
| 2 | 22 | M | 1 | A03 | 62,2828 | 129,3574 |
| 2 | 22 | M | 1 | A04 | 62,5940 | 99,4326 |
| 2 | 22 | M | 1 | A05 | 48,8244 | 98,8108 |
| 2 | 22 | M | 1 | A06 | 103,5138 | 98,1890 |
| 2 | 22 | M | 1 | A07 | 104,6988 | 116,3753 |
| 2 | 22 | M | 1 | A08 | 124,5363 | 116,5308 |
| 2 | 22 | M | 1 | A09 | 123,2916 | 88,2382 |
| 2 | 22 | M | 1 | A11 | 42,4586 | 29,3290 |
| 2 | 22 | M | 1 | A12 | 43,4883 | 67,9970 |
| 2 | 22 | M | 1 | A13 | 87,6819 | 59,0802 |
| 2 | 22 | M | 1 | A14 | 97,6362 | 52,1354 |
| 2 | 22 | M | 1 | A15 | 121,5148 | 22,9233 |
| 2 | 22 | M | 1 | A16 | 106,6038 | 8,6260 |
| 2 | 22 | M | 1 | A19 | 105,9425 | 23,4640 |
| 2 | 22 | M | 1 | A27 | 41,3430 | 39,5319 |
| 3 | 21 | M | 1 | A01 | 22,1469 | 90,1703 |
| 3 | 21 | M | 1 | A02 | 22,3277 | 129,3675 |
| 3 | 21 | M | 1 | A03 | 62,1013 | 129,7287 |
| 3 | 21 | M | 1 | A04 | 62,0109 | 99,7438 |
| 3 | 21 | M | 1 | A05 | 47,9997 | 99,2019 |
| 3 | 21 | M | 1 | A06 | 103,3211 | 98,7503 |
| 3 | 21 | M | 1 | A07 | 104,5867 | 117,5361 |
| 3 | 21 | M | 1 | A08 | 124,2927 | 117,6264 |

| 3 | 21 | M | 1 | A09 | 123,3887 | 88,9059 |
|---|---|---|---|---|---|---|
| 3 | 21 | M | 1 | A11 | 51,7261 | 31,1958 |
| 3 | 21 | M | 1 | A12 | 48,1263 | 67,3192 |
| 3 | 21 | M | 1 | A13 | 91,8379 | 57,8966 |
| 3 | 21 | M | 1 | A14 | 92,7056 | 57,4150 |
| 3 | 21 | M | 1 | A15 | 122,8066 | 21,3801 |
| 3 | 21 | M | 1 | A16 | 103,2849 | 12,0328 |
| 3 | 21 | M | 1 | A19 | 106,7153 | 24,5582 |
| 3 | 21 | M | 1 | A21 | 20,8929 | 48,5538 |
| 3 | 21 | M | 1 | A22 | 32,0836 | 48,9448 |
| 4 | 21 | M | 1 | A01 | 21,8628 | 90,0148 |
| 4 | 21 | M | 1 | A02 | 21,7423 | 129,3595 |
| 4 | 21 | M | 1 | A03 | 61,5344 | 129,8971 |
| 4 | 21 | M | 1 | A04 | 61,5407 | 99,8869 |
| 4 | 21 | M | 1 | A05 | 47,2173 | 99,3338 |
| 4 | 21 | M | 1 | A06 | 102,7932 | 98,9795 |
| 4 | 21 | M | 1 | A07 | 104,0167 | 117,9319 |
| 4 | 21 | M | 1 | A08 | 123,5758 | 118,0190 |
| 4 | 21 | M | 1 | A09 | 122,8851 | 89,0426 |
| 4 | 21 | M | 1 | A11 | 49,0847 | 30,8130 |
| 4 | 21 | M | 1 | A12 | 46,2336 | 67,9453 |
| 4 | 21 | M | 1 | A13 | 88,4915 | 59,4537 |
| 4 | 21 | M | 1 | A14 | 95,9989 | 54,0744 |
| 4 | 21 | M | 1 | A15 | 120,7267 | 24,6523 |
| 4 | 21 | M | 1 | A16 | 102,8636 | 12,7219 |
| 4 | 21 | M | 1 | A22 | 31,9529 | 48,6059 |
| 5 | 20 | M | 1 | A01 | 22,1787 | 89,6781 |
| 5 | 20 | M | 1 | A02 | 22,0221 | 129,2533 |
| 5 | 20 | M | 1 | A03 | 61,5542 | 129,6444 |
| 5 | 20 | M | 1 | A04 | 62,1021 | 99,6110 |
| 5 | 20 | M | 1 | A05 | 48,0898 | 98,9853 |
| 5 | 20 | M | 1 | A06 | 103,1613 | 98,9817 |
| 5 | 20 | M | 1 | A07 | 104,4921 | 116,8922 |
| 5 | 20 | M | 1 | A08 | 124,2190 | 115,8754 |
| 5 | 20 | M | 1 | A09 | 123,2013 | 88,9706 |
| 5 | 20 | M | 1 | A11 | 48,7371 | 30,4903 |
| 5 | 20 | M | 1 | A12 | 47,4044 | 67,6335 |
| 5 | 20 | M | 1 | A13 | 87,8641 | 59,1754 |
| 5 | 20 | M | 1 | A14 | 96,3548 | 53,2285 |
| 5 | 20 | M | 1 | A15 | 120,4262 | 24,5434 |
| 5 | 20 | M | 1 | A16 | 102,2802 | 13,3043 |
| 6 | 20 | M | 0 | A04 | 62,0459 | 99,4886 |
| 6 | 20 | M | 0 | A06 | 102,9787 | 98,3311 |
| 6 | 20 | M | 0 | A07 | 104,1372 | 115,7893 |
| 6 | 20 | M | 0 | A08 | 124,3140 | 115,4035 |
| 6 | 20 | M | 0 | A11 | 45,1224 | 29,7641 |
| 6 | 20 | M | 0 | A12 | 46,7331 | 67,5065 |
| 6 | 20 | M | 0 | A15 | 121,3952 | 23,5853 |
| 6 | 20 | M | 0 | A16 | 102,8423 | 12,5604 |
| 6 | 20 | M | 0 | A18 | 92,6445 | 57,0659 |
| 7 | 19 | M | 0 | A01 | 22,1953 | 89,8869 |
| 7 | 19 | M | 0 | A02 | 22,1953 | 129,3154 |
| 7 | 19 | M | 0 | A03 | 62,1605 | 129,5660 |
| 7 | 19 | M | 0 | A04 | 62,3277 | 99,5769 |
| 7 | 19 | M | 0 | A06 | 102,9618 | 98,5745 |
| 7 | 19 | M | 0 | A07 | 104,2996 | 116,4510 |
| 7 | 19 | M | 0 | A08 | 124,1986 | 117,4534 |
| 7 | 19 | M | 0 | A09 | 123,1116 | 88,8844 |
| 7 | 19 | M | 0 | A11 | 49,8535 | 30,7288 |
| 7 | 19 | M | 0 | A12 | 46,6537 | 68,0269 |
| 7 | 19 | M | 0 | A13 | 88,7254 | 59,1464 |
| 7 | 19 | M | 0 | A14 | 94,7695 | 55,8310 |
| 7 | 19 | M | 0 | A15 | 121,4346 | 24,2164 |
| 7 | 19 | M | 0 | A16 | 103,4208 | 11,5469 |
| 8 | 18 | M | 0 | A01 | 21,9473 | 89,9324 |
| 8 | 18 | M | 0 | A02 | 22,0197 | 129,2165 |
| 8 | 18 | M | 0 | A03 | 61,6284 | 129,5059 |
| 8 | 18 | M | 0 | A04 | 61,9181 | 99,6268 |
| 8 | 18 | M | 0 | A06 | 102,6129 | 98,4693 |
| 8 | 18 | M | 0 | A07 | 103,9163 | 115,9771 |
| 8 | 18 | M | 0 | A08 | 124,1623 | 115,5406 |
| 8 | 18 | M | 0 | A09 | 122,9313 | 88,5554 |
| 8 | 18 | M | 0 | A11 | 48,5564 | 30,2407 |
| 8 | 18 | M | 0 | A12 | 47,9089 | 67,3781 |
| 8 | 18 | M | 0 | A13 | 89,8713 | 58,7084 |
| 8 | 18 | M | 0 | A14 | 94,6633 | 55,0852 |
| 8 | 18 | M | 0 | A15 | 121,8611 | 22,6062 |
| 8 | 18 | M | 0 | A16 | 103,0816 | 11,8661 |
| 8 | 18 | M | 0 | A01 | 22,2704 | 89,7186 |
| 8 | 18 | M | 0 | A02 | 22,4294 | 129,3521 |
| 8 | 18 | M | 0 | A03 | 61,6212 | 129,7493 |
| 8 | 18 | M | 0 | A04 | 61,7007 | 99,5674 |
| 8 | 18 | M | 0 | A05 | 48,1863 | 98,9320 |
| 8 | 18 | M | 0 | A06 | 103,0389 | 98,6143 |
| 8 | 18 | M | 0 | A07 | 104,0723 | 116,4851 |
| 8 | 18 | M | 0 | A08 | 123,9693 | 116,7205 |
| 8 | 18 | M | 0 | A09 | 123,0948 | 88,9214 |
| 8 | 18 | M | 0 | A11 | 51,6628 | 31,6131 |
| 8 | 18 | M | 0 | A12 | 47,9920 | 67,2763 |
| 8 | 18 | M | 0 | A15 | 121,4072 | 23,7722 |
| 8 | 18 | M | 0 | A16 | 102,5471 | 13,2756 |
| 8 | 18 | M | 0 | A18 | 93,1803 | 57,2856 |
| 9 | 18 | F | 0 | A01 | 22,0681 | 89,9638 |
| 9 | 18 | F | 0 | A02 | 22,2064 | 129,4912 |
| 9 | 18 | F | 0 | A03 | 61,6306 | 129,6986 |
| 9 | 18 | F | 0 | A04 | 61,7690 | 99,7074 |
| 9 | 18 | F | 0 | A06 | 102,9223 | 98,6709 |
| 9 | 18 | F | 0 | A07 | 104,4695 | 117,3937 |
| 9 | 18 | F | 0 | A08 | 124,1125 | 117,1173 |
| 9 | 18 | F | 0 | A09 | 123,2825 | 88,8538 |
| 9 | 18 | F | 0 | A11 | 48,8348 | 30,5871 |
| 9 | 18 | F | 0 | A12 | 47,5133 | 67,4473 |
| 9 | 18 | F | 0 | A15 | 121,2991 | 23,8752 |
| 9 | 18 | F | 0 | A16 | 103,0178 | 12,4321 |
| 9 | 18 | F | 0 | A18 | 91,7848 | 57,7646 |
| 10 | 18 | F | 0 | A01 | 22,1975 | 90,0024 |
| 10 | 18 | F | 0 | A02 | 22,4546 | 129,7271 |
| 10 | 18 | F | 0 | A03 | 61,7861 | 129,8983 |
| 10 | 18 | F | 0 | A04 | 62,1288 | 99,6768 |
| 10 | 18 | F | 0 | A06 | 103,3455 | 98,8206 |
| 10 | 18 | F | 0 | A07 | 104,2880 | 115,8577 |
| 10 | 18 | F | 0 | A08 | 124,5108 | 116,0289 |
| 10 | 18 | F | 0 | A09 | 123,3968 | 88,8895 |
| 10 | 18 | F | 0 | A11 | 49,8567 | 30,8296 |
| 10 | 18 | F | 0 | A12 | 43,6141 | 68,2522 |
| 10 | 18 | F | 0 | A15 | 122,6159 | 22,1191 |
| 10 | 18 | F | 0 | A16 | 103,2421 | 12,1182 |
| 11 | 18 | M | 0 | A01 | 22,3221 | 89,8933 |
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| 12 | 18 | M | 0 | A12 | 46,6860 | 67,7762 |
| 12 | 18 | M | 0 | A13 | 90,8569 | 58,2832 |
| 12 | 18 | M | 0 | A14 | 97,3121 | 52,6308 |
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| 13 | 18 | M | 0 | A02 | 22,3492 | 129,4433 |
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| 13 | 18 | M | 0 | A05 | 47,9472 | 98,8329 |
| 13 | 18 | M | 0 | A06 | 103,3028 | 98,5931 |
| 13 | 18 | M | 0 | A07 | 104,2627 | 116,1761 |
| 13 | 18 | M | 0 | A08 | 124,3708 | 116,1689 |
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| 13 | 18 | M | 0 | A16 | 103,6643 | 11,2353 |
| 13 | 18 | M | 0 | A18 | 92,1774 | 57,4576 |
| 14 | 50 | M | 5 | A01 | 22,0692 | 90,1518 |
| 14 | 50 | M | 5 | A02 | 21,9143 | 129,0056 |
| 14 | 50 | M | 5 | A03 | 61,4998 | 129,7796 |
| 14 | 50 | M | 5 | A04 | 62,0421 | 99,8266 |
| 14 | 50 | M | 5 | A05 | 47,9431 | 99,2074 |
| 14 | 50 | M | 5 | A06 | 102,8671 | 98,8204 |
| 14 | 50 | M | 5 | A07 | 104,1065 | 116,3123 |
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| 15 | 49 | M | 5 | A05 | 48,1333 | 98,7618 |
| 15 | 49 | M | 5 | A06 | 103,0638 | 98,4925 |
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| 16 | 35 | M | 5 | A03 | 61,8298 | 129,5445 |
| 16 | 35 | M | 5 | A04 | 61,9785 | 99,5399 |
| 16 | 35 | M | 5 | A05 | 47,5575 | 99,2428 |
| 16 | 35 | M | 5 | A06 | 103,3086 | 98,2773 |
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| 16 | 35 | M | 5 | A29 | 37,9234 | 130,2405 |
| 16 | 35 | M | 5 | A30 | 51,6210 | 129,9246 |
| 16 | 35 | M | 5 | A31 | 35,0785 | 90,0264 |
| 16 | 35 | M | 5 | A32 | 50,9888 | 90,4475 |
| 17 | 34 | F | 5 | A01 | 22,2540 | 90,0427 |
| 17 | 34 | F | 5 | A02 | 22,6129 | 129,5051 |
| 17 | 34 | F | 5 | A03 | 61,8523 | 129,7420 |
| 17 | 34 | F | 5 | A05 | 47,5954 | 98,9438 |
| 17 | 34 | F | 5 | A06 | 103,1198 | 98,3763 |
| 17 | 34 | F | 5 | A07 | 104,4837 | 117,4898 |
| 17 | 34 | F | 5 | A08 | 124,3292 | 116,7923 |
| 17 | 34 | F | 5 | A09 | 123,3320 | 88,9436 |
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| 17 | 34 | F | 5 | A12 | 46,7739 | 67,9199 |
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| 18 | 32 | F | 5 | A02 | 22,4236 | 129,4934 |
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| 18 | 32 | F | 5 | A04 | 61,9449 | 99,5088 |
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| 19 | 31 | F | 5 | A03 | 61,7356 | 129,7430 |
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| 19 | 31 | F | 5 | A11 | 49,1728 | 30,4385 |
| 19 | 31 | F | 5 | A12 | 46,7578 | 67,8375 |
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| 20 | 17 | F | 0 | A02 | 22,6056 | 129,2151 |
| 20 | 17 | F | 0 | A03 | 61,8325 | 129,5493 |
| 20 | 17 | F | 0 | A04 | 62,3343 | 99,4659 |
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| 20 | 17 | F | 0 | A06 | 103,2340 | 98,2124 |
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| 21 | 50 | M | 5 | A01 | 21,5858 | 90,2398 |
| 21 | 50 | M | 5 | A02 | 21,8299 | 129,5064 |
| 21 | 50 | M | 5 | A03 | 61,1314 | 129,7503 |
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| 22 | 19 | M | 3 | A18 | 91,3098 | 58,2938 |
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| 22 | 19 | M | 3 | A40 | 61,4387 | 45,1083 |
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| 25 | 19 | M | 3 | A01 | 22,1296 | 90,0225 |
| 25 | 19 | M | 3 | A02 | 22,1339 | 129,2888 |
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| 26 | 30 | M | 3 | A06 | 102,6465 | 98,8526 |
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| 27 | 22 | M | 3 | A18 | 91,9167 | 57,8139 |
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| 28 | 22 | M | 3 | A03 | 61,4338 | 129,8099 |
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| 28 | 22 | M | 3 | A05 | 47,7079 | 99,2053 |
| 28 | 22 | M | 3 | A06 | 102,9992 | 98,6629 |
| 28 | 22 | M | 3 | A07 | 104,0366 | 115,6277 |
| 28 | 22 | M | 3 | A08 | 124,1989 | 115,7052 |
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| 28 | 22 | M | 3 | A11 | 46,9179 | 30,1714 |
| 28 | 22 | M | 3 | A12 | 46,3729 | 67,8499 |
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| 29 | 21 | M | 3 | A02 | 21,8417 | 129,4537 |
| 29 | 21 | M | 3 | A03 | 61,1617 | 129,8070 |
| 29 | 21 | M | 3 | A04 | 61,5860 | 99,9187 |
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| 29 | 21 | M | 3 | A16 | 102,5102 | 13,3282 |
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| 30 | 20 | M | 3 | A03 | 61,8205 | 129,6448 |
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| 30 | 20 | M | 3 | A08 | 124,1182 | 116,8822 |
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| 30 | 20 | M | 3 | A14 | 95,8853 | 54,3898 |
| 30 | 20 | M | 3 | A15 | 122,9231 | 21,6074 |
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| 31 | 20 | M | 3 | A01 | 22,3349 | 89,9284 |
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| 31 | 20 | M | 3 | A16 | 105,7343 | 9,8732 |
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| 32 | 21 | M | 3 | A02 | 21,7808 | 129,3486 |
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| 34 | 20 | M | 3 | A11 | 48,0398 | 30,2725 |
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| 36 | 23 | M | 3 | A05 | 47,9687 | 98,9818 |
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| 36 | 23 | M | 3 | A07 | 104,4302 | 116,5245 |
| 36 | 23 | M | 3 | A08 | 124,6678 | 115,8579 |
| 36 | 23 | M | 3 | A09 | 123,1852 | 88,8238 |
| 36 | 23 | M | 3 | A11 | 48,2044 | 30,1707 |
| 36 | 23 | M | 3 | A12 | 45,2871 | 67,9586 |
| 36 | 23 | M | 3 | A15 | 121,3052 | 23,9980 |
| 36 | 23 | M | 3 | A16 | 102,5704 | 13,0646 |
| 37 | 23 | M | 3 | A01 | 22,0818 | 89,9618 |
| 37 | 23 | M | 3 | A02 | 22,5432 | 129,5299 |
| 37 | 23 | M | 3 | A03 | 62,1457 | 129,0689 |
| 37 | 23 | M | 3 | A05 | 48,3040 | 99,2584 |
| 37 | 23 | M | 3 | A06 | 103,0982 | 98,7990 |
| 37 | 23 | M | 3 | A07 | 104,1747 | 115,7018 |
| 37 | 23 | M | 3 | A08 | 124,1682 | 116,9311 |
| 37 | 23 | M | 3 | A09 | 123,1685 | 88,6573 |
| 37 | 23 | M | 3 | A11 | 48,9285 | 30,2172 |
| 37 | 23 | M | 3 | A12 | 45,4700 | 68,1200 |
| 37 | 23 | M | 3 | A15 | 121,0520 | 23,4608 |
| 37 | 23 | M | 3 | A16 | 103,7815 | 10,9789 |
| 38 | 21 | M | 3 | A01 | 22,2349 | 90,0581 |
| 38 | 21 | M | 3 | A02 | 22,4136 | 129,3393 |
| 38 | 21 | M | 3 | A03 | 62,0863 | 129,3393 |
| 38 | 21 | M | 3 | A04 | 62,2651 | 99,8784 |
| 38 | 21 | M | 3 | A06 | 103,4568 | 98,8964 |
| 38 | 21 | M | 3 | A07 | 104,7077 | 116,4836 |
| 38 | 21 | M | 3 | A08 | 124,1867 | 117,4657 |
| 38 | 21 | M | 3 | A09 | 122,9357 | 88,6297 |
| 38 | 21 | M | 3 | A11 | 51,9670 | 31,2814 |
| 38 | 21 | M | 3 | A12 | 48,5353 | 67,1506 |
| 38 | 21 | M | 3 | A13 | 89,8030 | 58,8866 |
| 38 | 21 | M | 3 | A14 | 93,1467 | 56,7766 |
| 38 | 21 | M | 3 | A15 | 123,5914 | 20,0137 |
| 38 | 21 | M | 3 | A16 | 103,5831 | 11,5446 |
| 39 | 20 | M | 3 | A01 | 22,4034 | 89,9927 |
| 39 | 20 | M | 3 | A02 | 22,5664 | 129,3975 |
| 39 | 20 | M | 3 | A03 | 62,2499 | 129,2346 |
| 39 | 20 | M | 3 | A06 | 103,6445 | 98,1342 |
| 39 | 20 | M | 3 | A07 | 104,4594 | 115,4755 |
| 39 | 20 | M | 3 | A08 | 124,9559 | 114,0789 |
| 39 | 20 | M | 3 | A09 | 123,5707 | 88,6775 |
| 39 | 20 | M | 3 | A11 | 49,4190 | 30,5183 |
| 39 | 20 | M | 3 | A12 | 48,2153 | 67,2378 |
| 39 | 20 | M | 3 | A15 | 123,9472 | 18,2421 |
| 39 | 20 | M | 3 | A18 | 93,1516 | 57,0558 |
| 40 | 28 | M | 3 | A01 | 22,5647 | 89,8908 |
| 40 | 28 | M | 3 | A02 | 22,5647 | 129,5843 |
| 40 | 28 | M | 3 | A03 | 62,2081 | 129,5843 |
| 40 | 28 | M | 3 | A04 | 62,2927 | 99,6875 |
| 40 | 28 | M | 3 | A05 | 47,8384 | 99,0963 |
| 40 | 28 | M | 3 | A06 | 103,2553 | 98,2494 |
| 40 | 28 | M | 3 | A07 | 104,6078 | 115,5625 |
| 40 | 28 | M | 3 | A08 | 124,6409 | 116,8293 |
| 40 | 28 | M | 3 | A09 | 123,2884 | 88,7060 |
| 40 | 28 | M | 3 | A11 | 51,8273 | 31,3744 |
| 40 | 28 | M | 3 | A12 | 48,4145 | 67,1362 |
| 40 | 28 | M | 3 | A13 | 85,5392 | 59,9838 |
| 40 | 28 | M | 3 | A14 | 98,3580 | 51,8335 |
| 40 | 28 | M | 3 | A15 | 120,6455 | 24,5789 |
| 40 | 28 | M | 3 | A16 | 102,2778 | 13,3924 |
| 40 | 28 | M | 3 | A19 | 105,2049 | 22,9704 |
| 40 | 28 | M | 3 | A20 | 123,2067 | 10,8334 |
| 40 | 28 | M | 3 | A21 | 20,9231 | 50,4958 |
| 40 | 28 | M | 3 | A22 | 32,1375 | 49,7831 |
| 40 | 28 | M | 3 | A23 | 52,0301 | 49,1100 |
| 40 | 28 | M | 3 | A24 | 62,0206 | 47,7267 |
| 41 | 22 | M | 3 | A05 | 48,4140 | 98,6874 |
| 41 | 22 | M | 3 | A06 | 103,1463 | 98,3676 |
| 41 | 22 | M | 3 | A07 | 104,7466 | 117,0222 |
| 41 | 22 | M | 3 | A08 | 124,3777 | 116,4893 |
| 41 | 22 | M | 3 | A11 | 48,6396 | 30,1832 |
| 41 | 22 | M | 3 | A12 | 46,7637 | 67,5748 |
| 41 | 22 | M | 3 | A15 | 122,3803 | 21,6498 |
| 41 | 22 | M | 3 | A16 | 102,2051 | 13,6142 |
| 42 | 30 | M | 3 | A01 | 22,6721 | 89,7641 |
| 42 | 30 | M | 3 | A02 | 22,3246 | 128,5570 |
| 42 | 30 | M | 3 | A03 | 62,1935 | 129,5984 |
| 42 | 30 | M | 3 | A04 | 62,1935 | 99,7444 |
| 42 | 30 | M | 3 | A05 | 48,8170 | 98,9633 |
| 42 | 30 | M | 3 | A06 | 103,0179 | 98,7898 |
| 42 | 30 | M | 3 | A07 | 104,3208 | 116,6675 |
| 42 | 30 | M | 3 | A08 | 123,9979 | 117,6070 |
| 42 | 30 | M | 3 | A09 | 123,3031 | 88,7076 |
| 42 | 30 | M | 3 | A11 | 51,0483 | 31,0384 |
| 42 | 30 | M | 3 | A12 | 48,8509 | 67,0211 |
| 42 | 30 | M | 3 | A15 | 121,1229 | 23,9639 |
| 42 | 30 | M | 3 | A16 | 103,1770 | 12,2542 |
| 42 | 30 | M | 3 | A18 | 94,2651 | 56,0433 |
| 43 | 21 | M | 3 | A01 | 22,4510 | 89,7405 |
| 43 | 21 | M | 3 | A02 | 23,2410 | 129,4891 |
| 43 | 21 | M | 3 | A03 | 62,2341 | 128,9869 |
| 43 | 21 | M | 3 | A06 | 103,3817 | 98,5656 |
| 43 | 21 | M | 3 | A07 | 104,4992 | 116,2063 |
| 43 | 21 | M | 3 | A08 | 124,8934 | 114,8431 |
| 43 | 21 | M | 3 | A09 | 123,6008 | 88,8702 |
| 43 | 21 | M | 3 | A11 | 47,2193 | 29,7003 |
| 43 | 21 | M | 3 | A12 | 48,8021 | 67,0892 |
| 43 | 21 | M | 3 | A13 | 89,2760 | 58,7304 |
| 43 | 21 | M | 3 | A14 | 93,5721 | 56,9230 |
| 43 | 21 | M | 3 | A15 | 121,1576 | 24,2784 |
| 43 | 21 | M | 3 | A16 | 102,9557 | 12,6438 |
| 43 | 21 | M | 3 | A17 | 81,1360 | 27,3282 |
| 44 | 28 | M | 3 | A01 | 22,3549 | 89,7030 |
| 44 | 28 | M | 3 | A02 | 22,5447 | 129,5323 |
| 44 | 28 | M | 3 | A03 | 62,1238 | 129,6272 |
| 44 | 28 | M | 3 | A04 | 62,2187 | 99,6604 |
| 44 | 28 | M | 3 | A05 | 47,8867 | 99,1862 |
| 44 | 28 | M | 3 | A06 | 103,2216 | 98,7120 |
| 44 | 28 | M | 3 | A07 | 104,4555 | 116,5404 |
| 44 | 28 | M | 3 | A08 | 124,4392 | 115,2041 |
| 44 | 28 | M | 3 | A09 | 123,2053 | 88,3668 |
| 44 | 28 | M | 3 | A11 | 51,8870 | 31,3160 |
| 44 | 28 | M | 3 | A12 | 41,3302 | 68,3501 |
| 44 | 28 | M | 3 | A13 | 88,2716 | 59,2404 |
| 44 | 28 | M | 3 | A14 | 97,5879 | 52,4242 |
| 44 | 28 | M | 3 | A15 | 122,6027 | 21,3631 |
| 44 | 28 | M | 3 | A16 | 105,1285 | 10,1144 |
| 44 | 28 | M | 3 | A26 | 42,7375 | 58,3903 |
| 44 | 28 | M | 3 | A27 | 40,3920 | 39,9939 |
| 44 | 28 | M | 3 | A28 | 40,0401 | 29,7997 |
| 45 | 19 | M | 3 | A01 | 22,3512 | 89,7738 |
| 45 | 19 | M | 3 | A02 | 22,2392 | 129,4973 |
| 45 | 19 | M | 3 | A03 | 61,7732 | 129,4973 |
| 45 | 19 | M | 3 | A04 | 62,2212 | 99,5088 |
| 45 | 19 | M | 3 | A06 | 103,0991 | 98,5018 |
| 45 | 19 | M | 3 | A07 | 104,2191 | 115,1744 |
| 45 | 19 | M | 3 | A08 | 124,4900 | 115,0625 |
| 45 | 19 | M | 3 | A09 | 122,7732 | 88,5902 |
| 45 | 19 | M | 3 | A11 | 51,8015 | 31,3046 |
| 45 | 19 | M | 3 | A12 | 47,1476 | 67,5349 |
| 45 | 19 | M | 3 | A13 | 86,8028 | 59,7851 |
| 45 | 19 | M | 3 | A14 | 96,4015 | 53,6821 |
| 45 | 19 | M | 3 | A15 | 120,4823 | 24,5647 |
| 45 | 19 | M | 3 | A16 | 102,3267 | 13,3231 |
| 46 | 23 | M | 3 | A01 | 22,3732 | 89,8783 |
| 46 | 23 | M | 3 | A02 | 22,4448 | 129,2735 |
| 46 | 23 | M | 3 | A03 | 61,5880 | 129,3450 |
| 46 | 23 | M | 3 | A04 | 62,2320 | 99,7450 |
| 46 | 23 | M | 3 | A06 | 103,2988 | 98,6648 |
| 46 | 23 | M | 3 | A07 | 104,4941 | 116,9558 |
| 46 | 23 | M | 3 | A08 | 124,4996 | 116,6415 |
| 46 | 23 | M | 3 | A09 | 123,3672 | 88,7964 |
| 46 | 23 | M | 3 | A11 | 52,7158 | 31,1681 |
| 46 | 23 | M | 3 | A12 | 48,2948 | 67,4770 |
| 46 | 23 | M | 3 | A15 | 120,6177 | 24,9903 |
| 46 | 23 | M | 3 | A16 | 102,0966 | 14,1050 |

### 6.4 Segmentation points in the fork example

This annex includes detailed information of the segmentation points marked by every segmenter in the fork (C), as shown in figure 14.

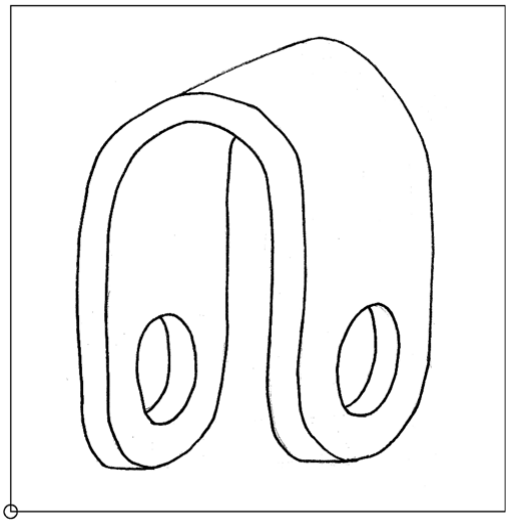

Figure 22: Fork sketch given to the segmenters, within 15 x 15 cm square frame (experiment C).

Table 11: Segmentation points of the fork sketch with auxiliary lines (experiment C).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 42 | V | 1 | A03 | 22,6099 | 32,4208 |
| 1 | 42 | V | 1 | A04 | 30,5176 | 33,3885 |
| 1 | 42 | V | 1 | A05 | 65,3761 | 45,8068 |
| 1 | 42 | V | 1 | A06 | 25,121 | 91,7334 |
| 1 | 42 | V | 1 | A07 | 33,841 | 92,0644 |
| 1 | 42 | V | 1 | A10 | 78,4342 | 94,9324 |
| 1 | 42 | V | 1 | A11 | 88,3683 | 96,6973 |
| 1 | 42 | V | 1 | A12 | 77,4797 | 36,1302 |
| 1 | 42 | V | 1 | A13 | 86,3557 | 36,7753 |
| 1 | 42 | V | 1 | A14 | 125,9506 | 47,5243 |
| 1 | 42 | V | 1 | A15 | 125,7991 | 103,9651 |
| 1 | 42 | V | 1 | A16 | 54,813 | 119,531 |
| 1 | 42 | V | 1 | A17 | 94,0884 | 135,6552 |
| 1 | 42 | V | 1 | A21 | 105,968 | 14,4287 |
| 1 | 42 | V | 1 | A24 | 51,6586 | 15,3255 |
| 1 | 42 | V | 1 | A25 | 46,333 | 24,357 |
| 1 | 42 | V | 1 | A26 | 48,5924 | 55,9673 |
| 1 | 42 | V | 1 | A27 | 102,4879 | 26,6572 |
| 1 | 42 | V | 1 | A28 | 109,6726 | 58,2945 |
| 1 | 42 | V | 1 | A29 | 57,6829 | 111,5888 |
| 2 | 24 | V | 1 | A02 | 41,5047 | 11,5978 |
| 2 | 24 | V | 1 | A03 | 22,2891 | 31,6964 |
| 2 | 24 | V | 1 | A04 | 30,1839 | 33,9296 |
| 2 | 24 | V | 1 | A05 | 63,6995 | 36,4605 |
| 2 | 24 | V | 1 | A06 | 24,6724 | 89,0148 |
| 2 | 24 | V | 1 | A07 | 32,5672 | 88,717 |
| 2 | 24 | V | 1 | A09 | 69,4392 | 107,2085 |
| 2 | 24 | V | 1 | A10 | 79,0423 | 83,9529 |
| 2 | 24 | V | 1 | A11 | 88,8735 | 83,5063 |
| 2 | 24 | V | 1 | A12 | 77,1058 | 38,2471 |
| 2 | 24 | V | 1 | A13 | 86,3412 | 39,7359 |
| 2 | 24 | V | 1 | A14 | 125,5173 | 43,309 |
| 2 | 24 | V | 1 | A15 | 127,0069 | 95,8632 |
| 2 | 24 | V | 1 | A16 | 53,6608 | 119,736 |
| 2 | 24 | V | 1 | A17 | 94,6551 | 135,6534 |
| 2 | 24 | V | 1 | A18 | 107,1954 | 57,6013 |
| 2 | 24 | V | 1 | A19 | 100,0454 | 28,2722 |
| 2 | 24 | V | 1 | A22 | 40,7599 | 27,8256 |
| 2 | 24 | V | 1 | A23 | 45,5266 | 55,2193 |
| 2 | 24 | V | 1 | A30 | 98,1089 | 42,4157 |
| 2 | 24 | V | 1 | A31 | 115,835 | 41,8202 |
| 2 | 24 | V | 1 | A32 | 56,2516 | 41,3735 |
| 3 | 23 | V | 1 | A02 | 42,2883 | 11,7429 |
| 3 | 23 | V | 1 | A09 | 69,8413 | 107,1341 |
| 3 | 23 | V | 1 | A16 | 53,9078 | 119,6271 |
| 3 | 23 | V | 1 | A17 | 94,7219 | 135,6333 |
| 3 | 23 | V | 1 | A18 | 108,0956 | 57,9193 |
| 3 | 23 | V | 1 | A19 | 99,7376 | 28,6865 |
| 3 | 23 | V | 1 | A21 | 99,4963 | 13,4277 |
| 3 | 23 | V | 1 | A22 | 41,0708 | 27,8835 |
| 3 | 23 | V | 1 | A23 | 45,5713 | 55,0281 |
| 4 | 22 | V | 1 | A01 | 28,6498 | 12,3792 |
| 4 | 22 | V | 1 | A02 | 41,3283 | 11,6552 |
| 4 | 22 | V | 1 | A03 | 22,854 | 23,7824 |
| 4 | 22 | V | 1 | A04 | 30,4611 | 29,2125 |
| 4 | 22 | V | 1 | A05 | 62,5195 | 30,1175 |
| 4 | 22 | V | 1 | A06 | 25,933 | 94,4823 |
| 4 | 22 | V | 1 | A07 | 33,5401 | 90,1382 |
| 4 | 22 | V | 1 | A09 | 69,7643 | 106,9716 |
| 4 | 22 | V | 1 | A10 | 79,1826 | 90,1382 |
| 4 | 22 | V | 1 | A11 | 88,4197 | 95,5683 |
| 4 | 22 | V | 1 | A12 | 78,0959 | 24,6874 |
| 4 | 22 | V | 1 | A13 | 86,7897 | 30,6605 |
| 4 | 22 | V | 1 | A14 | 122,8327 | 31,3846 |
| 4 | 22 | V | 1 | A15 | 126,6363 | 101,7225 |
| 4 | 22 | V | 1 | A16 | 53,8256 | 119,2798 |
| 4 | 22 | V | 1 | A17 | 95,8457 | 135,2081 |
| 4 | 22 | V | 1 | A19 | 100,0115 | 27,9455 |
| 4 | 22 | V | 1 | A18 | 108,343 | 57,449 |
| 4 | 22 | V | 1 | A20 | 84,9784 | 13,6462 |
| 4 | 22 | V | 1 | A21 | 100,9171 | 13,1032 |
| 4 | 22 | V | 1 | A22 | 40,9661 | 27,4025 |
| 4 | 22 | V | 1 | A23 | 46,3997 | 55,096 |
| 4 | 22 | V | 1 | A25 | 48,0298 | 25,0494 |
| 4 | 22 | V | 1 | A27 | 109,0675 | 27,4025 |
| 4 | 22 | V | 1 | A08 | 67,2286 | 102,2655 |
| 5 | 21 | V | 1 | A01 | 29,3418 | 12,1459 |
| 5 | 21 | V | 1 | A02 | 40,8885 | 11,5321 |
| 5 | 21 | V | 1 | A16 | 53,844 | 119,6868 |
| 5 | 21 | V | 1 | A17 | 95,5029 | 135,6067 |
| 5 | 21 | V | 1 | A20 | 86,4611 | 13,4963 |
| 5 | 21 | V | 1 | A21 | 99,7275 | 13,3735 |
| 6 | 21 | V | 1 | A03 | 22,4857 | 31,5165 |
| 6 | 21 | V | 1 | A04 | 30,0858 | 30,9927 |
| 6 | 21 | V | 1 | A05 | 63,369 | 33,6118 |
| 6 | 21 | V | 1 | A06 | 26,3836 | 97,287 |
| 6 | 21 | V | 1 | A07 | 36 | 97,0001 |
| 6 | 21 | V | 1 | A10 | 78,0052 | 96,6415 |
| 6 | 21 | V | 1 | A11 | 88,1958 | 96,9284 |
| 6 | 21 | V | 1 | A12 | 77,1278 | 35,576 |
| 6 | 21 | V | 1 | A13 | 86,1693 | 36,2308 |
| 6 | 21 | V | 1 | A14 | 124,2746 | 37,4093 |
| 6 | 21 | V | 1 | A15 | 127,1152 | 96,2112 |
| 6 | 21 | V | 1 | A30 | 98,4605 | 43,3021 |
| 6 | 21 | V | 1 | A31 | 114,9711 | 37,4093 |
| 6 | 21 | V | 1 | A32 | 54,9827 | 34,1356 |
| 6 | 21 | V | 1 | A08 | 66,9306 | 96,0678 |
| 6 | 21 | V | 1 | A34 | 48,0378 | 40,6831 |
| 6 | 21 | V | 1 | A35 | 38,4721 | 42,2545 |
| 6 | 21 | V | 1 | A36 | 109,4675 | 42,5164 |
| 7 | 21 | V | 1 | A03 | 22,31 | 24,2586 |
| 7 | 21 | V | 1 | A04 | 30,0279 | 25,5809 |
| 7 | 21 | V | 1 | A05 | 63,3255 | 34,3957 |
| 7 | 21 | V | 1 | A06 | 24,8715 | 91,7736 |
| 7 | 21 | V | 1 | A07 | 33,2753 | 90,313 |
| 7 | 21 | V | 1 | A10 | 78,0078 | 95,1816 |
| 7 | 21 | V | 1 | A11 | 87,9949 | 95,5467 |
| 7 | 21 | V | 1 | A12 | 77,1407 | 38,8762 |
| 7 | 21 | V | 1 | A13 | 86,0316 | 40,2151 |
| 7 | 21 | V | 1 | A14 | 125,2493 | 42,2842 |
| 7 | 21 | V | 1 | A15 | 126,3601 | 100,1719 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | 21 | V | 1 | A25 | 46,787 | 24,6994 |
| 7 | 21 | V | 1 | A27 | 105,8841 | 26,4613 |
| 7 | 21 | V | 1 | A08 | 67,4118 | 103,0931 |
| 7 | 21 | V | 1 | A34 | 48,3306 | 43,8716 |
| 7 | 21 | V | 1 | A36 | 109,2943 | 45,5705 |
| 8 | 21 | V | 1 | A02 | 42,0383 | 11,8166 |
| 8 | 21 | V | 1 | A03 | 22,3586 | 34,7198 |
| 8 | 21 | V | 1 | A04 | 30,2056 | 35,84 |
| 8 | 21 | V | 1 | A05 | 65,0809 | 43,8064 |
| 8 | 21 | V | 1 | A06 | 24,61 | 90,6977 |
| 8 | 21 | V | 1 | A07 | 31,8355 | 86,047 |
| 8 | 21 | V | 1 | A09 | 68,8203 | 107,5871 |
| 8 | 21 | V | 1 | A11 | 87,6801 | 97,0618 |
| 8 | 21 | V | 1 | A12 | 77,2872 | 35,7156 |
| 8 | 21 | V | 1 | A13 | 86,0061 | 38,5785 |
| 8 | 21 | V | 1 | A14 | 124,9667 | 41,8023 |
| 8 | 21 | V | 1 | A15 | 126,8966 | 97,1443 |
| 8 | 21 | V | 1 | A16 | 53,3896 | 119,7034 |
| 8 | 21 | V | 1 | A17 | 93,5367 | 135,7487 |
| 8 | 21 | V | 1 | A18 | 106,9063 | 57,6105 |
| 8 | 21 | V | 1 | A19 | 99,8067 | 28,9815 |
| 8 | 21 | V | 1 | A21 | 99,6821 | 13,5468 |
| 8 | 21 | V | 1 | A22 | 40,7927 | 28,1227 |
| 8 | 21 | V | 1 | A23 | 45,7749 | 55,6189 |
| 9 | 20 | V | 1 | A01 | 28,2229 | 12,5946 |
| 9 | 20 | V | 1 | A02 | 42,7186 | 11,8544 |
| 9 | 20 | V | 1 | A03 | 21,7687 | 36,5974 |
| 9 | 20 | V | 1 | A04 | 30,0217 | 39,4523 |
| 9 | 20 | V | 1 | A05 | 65,3614 | 44,7393 |
| 9 | 20 | V | 1 | A06 | 25,2201 | 94,6903 |
| 9 | 20 | V | 1 | A07 | 35,2718 | 95,7477 |
| 9 | 20 | V | 1 | A10 | 78,5746 | 90,8731 |
| 9 | 20 | V | 1 | A11 | 88,6264 | 92,142 |
| 9 | 20 | V | 1 | A12 | 77,288 | 43,2589 |
| 9 | 20 | V | 1 | A13 | 86,07 | 41,4614 |
| 9 | 20 | V | 1 | A14 | 125,0242 | 42,4447 |
| 9 | 20 | V | 1 | A15 | 126,6113 | 97,3232 |
| 9 | 20 | V | 1 | A16 | 53,1533 | 119,539 |
| 9 | 20 | V | 1 | A17 | 94,6574 | 135,6325 |
| 9 | 20 | V | 1 | A18 | 107,6717 | 57,9884 |
| 9 | 20 | V | 1 | A19 | 99,6134 | 28,5612 |
| 9 | 20 | V | 1 | A20 | 85,8584 | 13,8635 |
| 9 | 20 | V | 1 | A21 | 102,4702 | 13,652 |
| 9 | 20 | V | 1 | A22 | 40,814 | 28,1382 |
| 9 | 20 | V | 1 | A23 | 45,6812 | 55,5246 |
| 9 | 20 | V | 1 | A08 | 68,4171 | 106,2053 |
| 10 | 20 | V | 1 | A03 | 22,6655 | 24,3571 |
| 10 | 20 | V | 1 | A04 | 29,9862 | 25,8022 |
| 10 | 20 | V | 1 | A05 | 64,6289 | 41,5051 |
| 10 | 20 | V | 1 | A06 | 24,2408 | 87,7763 |
| 10 | 20 | V | 1 | A07 | 31,6206 | 83,6901 |
| 10 | 20 | V | 1 | A10 | 78,0174 | 95,5735 |
| 10 | 20 | V | 1 | A11 | 87,6228 | 99,5851 |
| 10 | 20 | V | 1 | A12 | 77,2889 | 29,5939 |
| 10 | 20 | V | 1 | A13 | 86,1675 | 35,8504 |
| 10 | 20 | V | 1 | A14 | 125,2107 | 42,2206 |
| 10 | 20 | V | 1 | A15 | 125,3272 | 103,8832 |
| 10 | 20 | V | 1 | A16 | 53,9325 | 119,6428 |
| 10 | 20 | V | 1 | A17 | 94,2175 | 135,6318 |
| 10 | 20 | V | 1 | A25 | 48,6945 | 25,1699 |
| 10 | 20 | V | 1 | A27 | 110,1853 | 28,9113 |
| 10 | 20 | V | 1 | A08 | 67,4086 | 101,3043 |
| 10 | 20 | V | 1 | A34 | 46,2939 | 33,2354 |
| 10 | 20 | V | 1 | A36 | 108,3641 | 40,7418 |
| 11 | 20 | V | 1 | A03 | 21,4254 | 43,2008 |
| 11 | 20 | V | 1 | A05 | 65,3259 | 52,3212 |
| 11 | 20 | V | 1 | A06 | 24,1475 | 89,2083 |
| 11 | 20 | V | 1 | A08 | 66,1375 | 89,3177 |
| 11 | 20 | V | 1 | A10 | 78,8385 | 87,4582 |
| 11 | 20 | V | 1 | A11 | 88,6928 | 90,0834 |
| 11 | 20 | V | 1 | A13 | 86,8828 | 45,4023 |
| 11 | 20 | V | 1 | A14 | 125,1187 | 42,5718 |
| 11 | 20 | V | 1 | A15 | 126,4543 | 96,789 |
| 11 | 20 | V | 1 | A16 | 52,9324 | 119,7601 |
| 11 | 20 | V | 1 | A17 | 95,106 | 136,0221 |

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|---|---|---|---|---|---|---|
| 12 | 20 | V | 0 | A02 | 41,6664 | 11,8088 |
| 12 | 20 | V | 0 | A03 | 21,7484 | 30,1407 |
| 12 | 20 | V | 0 | A04 | 29,9038 | 26,772 |
| 12 | 20 | V | 0 | A05 | 65,1367 | 47,8459 |
| 12 | 20 | V | 0 | A06 | 22,2006 | 81,1873 |
| 12 | 20 | V | 0 | A07 | 30,8162 | 81,0485 |
| 12 | 20 | V | 0 | A09 | 69,1516 | 107,0876 |
| 12 | 20 | V | 0 | A10 | 78,9851 | 81,2036 |
| 12 | 20 | V | 0 | A11 | 88,2384 | 81,4386 |
| 12 | 20 | V | 0 | A12 | 76,8209 | 38,2099 |
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| 12 | 20 | V | 0 | A16 | 52,5115 | 119,3089 |
| 12 | 20 | V | 0 | A17 | 94,2452 | 135,3689 |
| 12 | 20 | V | 0 | A18 | 107,1369 | 57,615 |
| 12 | 20 | V | 0 | A19 | 99,2168 | 29,2006 |
| 12 | 20 | V | 0 | A21 | 100,0794 | 13,2973 |
| 12 | 20 | V | 0 | A22 | 40,4118 | 28,2605 |
| 13 | 20 | V | 0 | A03 | 21,6062 | 27,1409 |
| 13 | 20 | V | 0 | A04 | 29,5785 | 26,3724 |
| 13 | 20 | V | 0 | A05 | 63,6356 | 38,1795 |
| 13 | 20 | V | 0 | A06 | 21,8885 | 80,9964 |
| 13 | 20 | V | 0 | A07 | 30,639 | 82,4307 |
| 13 | 20 | V | 0 | A08 | 65,8348 | 91,2095 |
| 13 | 20 | V | 0 | A09 | 68,438 | 107,1778 |
| 13 | 20 | V | 0 | A10 | 78,2584 | 88,3354 |
| 13 | 20 | V | 0 | A11 | 88,1189 | 89,3135 |
| 13 | 20 | V | 0 | A12 | 77,0626 | 31,1232 |
| 13 | 20 | V | 0 | A13 | 86,2307 | 31,8917 |
| 13 | 20 | V | 0 | A14 | 124,9732 | 43,4194 |
| 13 | 20 | V | 0 | A15 | 126,0222 | 97,6274 |
| 13 | 20 | V | 0 | A16 | 52,2812 | 119,4993 |
| 13 | 20 | V | 0 | A17 | 92,5869 | 135,52 |
| 13 | 20 | V | 0 | A18 | 106,7908 | 58,0001 |
| 13 | 20 | V | 0 | A19 | 99,5178 | 28,8875 |
| 13 | 20 | V | 0 | A22 | 40,6977 | 27,9094 |
| 13 | 20 | V | 0 | A23 | 45,7266 | 55,5364 |
| 14 | 20 | V | 0 | A01 | 28,5232 | 12,5399 |
| 14 | 20 | V | 0 | A02 | 42,1444 | 12,0825 |
| 14 | 20 | V | 0 | A03 | 22,4565 | 22,26 |
| 14 | 20 | V | 0 | A04 | 29,6678 | 25,805 |
| 14 | 20 | V | 0 | A05 | 63,5493 | 39,6418 |
| 14 | 20 | V | 0 | A06 | 24,9804 | 96,105 |
| 14 | 20 | V | 0 | A07 | 32,3631 | 91,5845 |
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| 14 | 20 | V | 0 | A11 | 87,0344 | 96,4222 |
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| 14 | 20 | V | 0 | A13 | 86,1789 | 30,2648 |
| 14 | 20 | V | 0 | A14 | 124,4101 | 41,3571 |
| 14 | 20 | V | 0 | A15 | 120,9788 | 110,905 |
| 14 | 20 | V | 0 | A16 | 52,2664 | 119,765 |
| 14 | 20 | V | 0 | A17 | 93,274 | 135,8866 |
| 14 | 20 | V | 0 | A18 | 106,2102 | 58,0528 |
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| 14 | 20 | V | 0 | A20 | 86,6368 | 14,0265 |
| 14 | 20 | V | 0 | A21 | 100,0292 | 13,9122 |
| 14 | 20 | V | 0 | A22 | 40,313 | 27,9777 |
| 14 | 20 | V | 0 | A23 | 45,0061 | 55,6514 |
| 15 | 18 | V | 0 | A01 | 28,0628 | 12,7714 |
| 15 | 18 | V | 0 | A02 | 42,8651 | 12,2317 |
| 15 | 18 | V | 0 | A03 | 21,472 | 37,7058 |
| 15 | 18 | V | 0 | A04 | 29,3594 | 40,1885 |
| 15 | 18 | V | 0 | A05 | 63,826 | 43,6426 |
| 15 | 18 | V | 0 | A07 | 30,9124 | 85,67 |
| 15 | 18 | V | 0 | A09 | 67,6796 | 107,7713 |
| 15 | 18 | V | 0 | A10 | 77,8062 | 88,0047 |
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| 15 | 18 | V | 0 | A13 | 85,704 | 43,6453 |
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| 15 | 18 | V | 0 | A17 | 93,3856 | 136,0984 |
| 15 | 18 | V | 0 | A18 | 106,3407 | 58,6491 |
| 15 | 18 | V | 0 | A19 | 99,3177 | 29,5049 |
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| 15 | 18 | V | 0 | A21 | 101,3706 | 14,1772 |
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| 15 | 18 | V | 0 | A22 | 40,5961 | 27,9911 |
| 15 | 18 | V | 0 | A23 | 44,5938 | 55,732 |
| 16 | 18 | M | 0 | A01 | 27,6334 | 13,0717 |
| 16 | 18 | M | 0 | A02 | 43,3595 | 12,3576 |
| 16 | 18 | M | 0 | A03 | 21,5575 | 34,3171 |
| 16 | 18 | M | 0 | A04 | 29,5992 | 36,2809 |
| 16 | 18 | M | 0 | A05 | 64,4467 | 46,2787 |
| 16 | 18 | M | 0 | A06 | 24,238 | 95,3573 |
| 16 | 18 | M | 0 | A07 | 31,3862 | 87,1448 |
| 16 | 18 | M | 0 | A10 | 78,1139 | 83,1249 |
| 16 | 18 | M | 0 | A11 | 86,8884 | 94,7711 |
| 16 | 18 | M | 0 | A12 | 76,5494 | 41,2221 |
| 16 | 18 | M | 0 | A13 | 85,7238 | 41,7742 |
| 16 | 18 | M | 0 | A14 | 124,7577 | 46,182 |
| 16 | 18 | M | 0 | A15 | 121,4848 | 109,8235 |
| 16 | 18 | M | 0 | A17 | 95,5375 | 135,871 |
| 16 | 18 | M | 0 | A18 | 104,5148 | 57,5654 |
| 16 | 18 | M | 0 | A20 | 85,6133 | 14,1672 |
| 16 | 18 | M | 0 | A21 | 104,1832 | 14,8298 |
| 16 | 18 | M | 0 | A23 | 44,253 | 55,3839 |
| 16 | 18 | M | 0 | A25 | 46,0401 | 24,4978 |
| 16 | 18 | M | 0 | A27 | 105,2885 | 27,4186 |
| 16 | 18 | M | 0 | A29 | 57,0552 | 111,9524 |
| 16 | 18 | M | 0 | A08 | 66,3311 | 104,6641 |
| 16 | 18 | M | 0 | A37 | 44,0743 | 30,925 |
| 16 | 18 | M | 0 | A38 | 61,5678 | 120,0922 |
| 16 | 18 | M | 0 | A39 | 104,0726 | 33,0504 |
| 17 | 18 | M | 0 | A01 | 28,16 | 12,5966 |
| 17 | 18 | M | 0 | A02 | 41,5975 | 12,09 |
| 17 | 18 | M | 0 | A03 | 21,6948 | 30,9603 |
| 17 | 18 | M | 0 | A04 | 29,3009 | 27,1609 |
| 17 | 18 | M | 0 | A05 | 64,1623 | 44,0048 |
| 17 | 18 | M | 0 | A06 | 21,2438 | 80,5288 |
| 17 | 18 | M | 0 | A07 | 29,6437 | 80,308 |
| 17 | 18 | M | 0 | A09 | 67,8855 | 107,5814 |
| 17 | 18 | M | 0 | A10 | 78,0539 | 83,2893 |
| 17 | 18 | M | 0 | A11 | 87,4485 | 84,2831 |
| 17 | 18 | M | 0 | A12 | 76,4588 | 34,8863 |
| 17 | 18 | M | 0 | A13 | 85,7638 | 33,2456 |
| 17 | 18 | M | 0 | A14 | 124,8086 | 47,8099 |
| 17 | 18 | M | 0 | A15 | 125,3237 | 98,3424 |
| 17 | 18 | M | 0 | A16 | 51,769 | 119,874 |
| 17 | 18 | M | 0 | A17 | 92,6082 | 135,9399 |
| 17 | 18 | M | 0 | A18 | 106,9342 | 58,3215 |
| 17 | 18 | M | 0 | A19 | 99,4548 | 28,9396 |
| 17 | 18 | M | 0 | A20 | 86,1441 | 14,122 |
| 17 | 18 | M | 0 | A21 | 98,821 | 13,9954 |
| 17 | 18 | M | 0 | A22 | 40,203 | 27,9208 |
| 17 | 18 | M | 0 | A23 | 45,4005 | 55,7829 |
| 18 | 18 | V | 0 | A01 | 28,0348 | 12,6697 |
| 18 | 18 | V | 0 | A02 | 42,8629 | 12,1 |
| 18 | 18 | V | 0 | A06 | 23,0935 | 90,1163 |
| 18 | 18 | V | 0 | A07 | 31,268 | 88,2171 |
| 18 | 18 | V | 0 | A08 | 64,9165 | 89,9263 |
| 18 | 18 | V | 0 | A09 | 67,9582 | 107,589 |
| 18 | 18 | V | 0 | A11 | 86,2082 | 100,372 |
| 18 | 18 | V | 0 | A15 | 124,9896 | 99,2325 |
| 18 | 18 | V | 0 | A16 | 51,4191 | 119,7439 |
| 18 | 18 | V | 0 | A17 | 91,9114 | 135,8872 |
| 18 | 18 | V | 0 | A20 | 85,2563 | 13,9992 |
| 18 | 18 | V | 0 | A21 | 99,5141 | 14,1891 |
| 19 | 18 | M | 0 | A01 | 30,0699 | 11,9363 |
| 19 | 18 | M | 0 | A02 | 42,2294 | 11,9363 |
| 19 | 18 | M | 0 | A03 | 22,0143 | 30,1579 |
| 19 | 18 | M | 0 | A04 | 29,9179 | 32,5874 |
| 19 | 18 | M | 0 | A05 | 63,0525 | 34,8651 |
| 19 | 18 | M | 0 | A06 | 24,7456 | 95,1578 |
| 19 | 18 | M | 0 | A07 | 33,1052 | 91,969 |
| 19 | 18 | M | 0 | A09 | 67,6077 | 106,3945 |
| 19 | 18 | M | 0 | A10 | 77,9433 | 92,7283 |
| 19 | 18 | M | 0 | A11 | 87,2149 | 98,3466 |
| 19 | 18 | M | 0 | A12 | 76,8839 | 36,2317 |
| 19 | 18 | M | 0 | A13 | 86,1555 | 35,7762 |
| 19 | 18 | M | 0 | A14 | 124,6098 | 39,5724 |

| 19 | 18 | M | 0 | A15 | 123,5413 | 106,85 |
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| 19 | 18 | M | 0 | A16 | 53,3203 | 120,0606 |
| 19 | 18 | M | 0 | A17 | 92,3826 | 135,549 |
| 19 | 18 | M | 0 | A20 | 86,9155 | 13,7585 |
| 19 | 18 | M | 0 | A21 | 100,8988 | 13,7585 |
| 19 | 18 | M | 0 | A31 | 115,3382 | 40,1798 |
| 20 | 18 | M | 0 | A01 | 28,8156 | 12,4979 |
| 20 | 18 | M | 0 | A02 | 40,7704 | 12,1246 |
| 20 | 18 | M | 0 | A03 | 21,3438 | 30,2261 |
| 20 | 18 | M | 0 | A04 | 29,7495 | 29,8529 |
| 20 | 18 | M | 0 | A05 | 62,4385 | 32,8387 |
| 20 | 18 | M | 0 | A06 | 24,5989 | 96,1038 |
| 20 | 18 | M | 0 | A07 | 34,1254 | 95,7306 |
| 20 | 18 | M | 0 | A09 | 68,122 | 107,4872 |
| 20 | 18 | M | 0 | A10 | 77,2749 | 95,1707 |
| 20 | 18 | M | 0 | A11 | 87,175 | 96,6636 |
| 20 | 18 | M | 0 | A12 | 76,9013 | 37,5071 |
| 20 | 18 | M | 0 | A13 | 85,8674 | 35,4544 |
| 20 | 18 | M | 0 | A14 | 124,9074 | 42,9189 |
| 20 | 18 | M | 0 | A15 | 124,5338 | 103,1951 |
| 20 | 18 | M | 0 | A16 | 52,2445 | 119,8037 |
| 20 | 18 | M | 0 | A17 | 92,7788 | 136,0391 |
| 20 | 18 | M | 0 | A18 | 106,6016 | 58,2212 |
| 20 | 18 | M | 0 | A19 | 98,7562 | 29,6694 |
| 20 | 18 | M | 0 | A20 | 86,0542 | 13,9938 |
| 20 | 18 | M | 0 | A21 | 99,5034 | 13,8072 |
| 20 | 18 | M | 0 | A22 | 40,5836 | 28,1734 |
| 20 | 18 | M | 0 | A23 | 44,8799 | 55,7922 |
| 21 | 18 | M | 0 | A01 | 27,6841 | 12,564 |
| 21 | 18 | M | 0 | A02 | 43,2649 | 12,0971 |
| 21 | 18 | M | 0 | A03 | 21,4518 | 41,2049 |
| 21 | 18 | M | 0 | A04 | 29,2422 | 42,2945 |
| 21 | 18 | M | 0 | A05 | 64,7662 | 48,6764 |
| 21 | 18 | M | 0 | A06 | 21,639 | 81,9267 |
| 21 | 18 | M | 0 | A07 | 30,2084 | 82,8607 |
| 21 | 18 | M | 0 | A08 | 65,1092 | 90,9548 |
| 21 | 18 | M | 0 | A10 | 77,7714 | 88,025 |
| 21 | 18 | M | 0 | A11 | 87,5872 | 91,6051 |
| 21 | 18 | M | 0 | A12 | 76,9922 | 45,1004 |
| 21 | 18 | M | 0 | A13 | 86,4964 | 48,0579 |
| 21 | 18 | M | 0 | A14 | 125,2924 | 53,6615 |
| 21 | 18 | M | 0 | A15 | 125,6042 | 98,1427 |
| 21 | 18 | M | 0 | A20 | 85,7174 | 13,8134 |
| 21 | 18 | M | 0 | A21 | 99,8958 | 13,9691 |
| 22 | 18 | V | 0 | A03 | 21,8861 | 32,1128 |
| 22 | 18 | V | 0 | A04 | 29,8478 | 35,1268 |
| 22 | 18 | V | 0 | A05 | 64,577 | 46,857 |
| 22 | 18 | V | 0 | A06 | 22,5541 | 84,8629 |
| 22 | 18 | V | 0 | A07 | 30,7304 | 84,5393 |
| 22 | 18 | V | 0 | A08 | 65,7025 | 97,0784 |
| 22 | 18 | V | 0 | A10 | 78,2504 | 85,1056 |
| 22 | 18 | V | 0 | A11 | 87,8839 | 84,9438 |
| 22 | 18 | V | 0 | A12 | 76,882 | 31,001 |
| 22 | 18 | V | 0 | A13 | 86,0298 | 35,2077 |
| 22 | 18 | V | 0 | A14 | 125,1306 | 46,3716 |
| 22 | 18 | V | 0 | A15 | 125,4651 | 98,1422 |
| 23 | 18 | V | 0 | A01 | 29,2767 | 12,0929 |
| 23 | 18 | V | 0 | A02 | 42,0684 | 11,6981 |
| 23 | 18 | V | 0 | A03 | 21,9673 | 32,3775 |
| 23 | 18 | V | 0 | A04 | 29,6225 | 30,7982 |
| 23 | 18 | V | 0 | A05 | 64,7668 | 48,5895 |
| 23 | 18 | V | 0 | A06 | 21,6398 | 80,3691 |
| 23 | 18 | V | 0 | A07 | 30,0002 | 79,5177 |
| 23 | 18 | V | 0 | A08 | 65,0926 | 88,777 |
| 23 | 18 | V | 0 | A09 | 68,7179 | 107,0517 |
| 23 | 18 | V | 0 | A10 | 78,5034 | 80,3867 |
| 23 | 18 | V | 0 | A11 | 88,1835 | 83,6441 |
| 23 | 18 | V | 0 | A12 | 76,8176 | 39,459 |
| 23 | 18 | V | 0 | A13 | 85,7569 | 39,7551 |
| 23 | 18 | V | 0 | A14 | 124,6072 | 41,736 |
| 23 | 18 | V | 0 | A15 | 125,6378 | 97,3167 |
| 23 | 18 | V | 0 | A16 | 52,1569 | 119,3974 |
| 23 | 18 | V | 0 | A17 | 93,3435 | 135,5509 |
| 23 | 18 | V | 0 | A18 | 106,5804 | 57,8749 |
| 23 | 18 | V | 0 | A19 | 99,357 | 28,7309 |

| 23 | 18 | V | 0 | A20 | 86,516 | 13,5792 |
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| 23 | 18 | V | 0 | A21 | 99,1101 | 13,5792 |
| 23 | 18 | V | 0 | A22 | 40,6361 | 27,837 |
| 23 | 18 | V | 0 | A23 | 45,1947 | 55,4049 |
| 24 | 18 | V | 0 | A03 | 21,9173 | 33,3548 |
| 24 | 18 | V | 0 | A04 | 29,5041 | 37,7829 |
| 24 | 18 | V | 0 | A05 | 63,88 | 41,6743 |
| 24 | 18 | V | 0 | A06 | 23,9496 | 93,1562 |
| 24 | 18 | V | 0 | A07 | 33,9535 | 95,3031 |
| 24 | 18 | V | 0 | A08 | 65,6438 | 94,2296 |
| 24 | 18 | V | 0 | A10 | 77,3517 | 91,1936 |
| 24 | 18 | V | 0 | A11 | 87,4227 | 92,1329 |
| 24 | 18 | V | 0 | A12 | 76,9509 | 28,918 |
| 24 | 18 | V | 0 | A13 | 86,2834 | 30,1256 |
| 24 | 18 | V | 0 | A14 | 124,7744 | 42,161 |
| 24 | 18 | V | 0 | A15 | 125,2228 | 99,2447 |
| 24 | 18 | V | 0 | A16 | 52,35 | 119,7247 |
| 25 | 18 | V | 0 | A01 | 28,802 | 12,4333 |
| 25 | 18 | V | 0 | A02 | 40,986 | 11,9743 |
| 25 | 18 | V | 0 | A04 | 29,748 | 25,5473 |
| 25 | 18 | V | 0 | A05 | 64,0941 | 42,6175 |
| 25 | 18 | V | 0 | A06 | 21,6841 | 80,5339 |
| 25 | 18 | V | 0 | A07 | 30,6548 | 83,8154 |
| 25 | 18 | V | 0 | A08 | 65,165 | 88,0275 |
| 25 | 18 | V | 0 | A09 | 68,056 | 107,225 |
| 25 | 18 | V | 0 | A10 | 77,2536 | 95,1363 |
| 25 | 18 | V | 0 | A11 | 87,3692 | 95,3256 |
| 25 | 18 | V | 0 | A12 | 76,8267 | 36,6764 |
| 25 | 18 | V | 0 | A13 | 85,7912 | 38,0713 |
| 25 | 18 | V | 0 | A14 | 124,6742 | 42,3651 |
| 25 | 18 | V | 0 | A15 | 124,6972 | 102,2716 |
| 25 | 18 | V | 0 | A16 | 51,8571 | 119,3643 |
| 25 | 18 | V | 0 | A17 | 91,0591 | 135,5157 |
| 25 | 18 | V | 0 | A18 | 106,6198 | 58,1367 |
| 25 | 18 | V | 0 | A19 | 99,3779 | 28,9439 |
| 25 | 18 | V | 0 | A20 | 86,2769 | 13,7282 |
| 25 | 18 | V | 0 | A21 | 98,8515 | 13,5287 |
| 25 | 18 | V | 0 | A22 | 40,8181 | 27,867 |
| 25 | 18 | V | 0 | A23 | 45,2069 | 55,1823 |
| 25 | 18 | V | 0 | A25 | 42,8946 | 24,7783 |
| 26 | 18 | V | 0 | A01 | 28,4621 | 12,6171 |
| 26 | 18 | V | 0 | A02 | 42,5803 | 11,9416 |
| 26 | 18 | V | 0 | A09 | 67,709 | 107,5755 |
| 26 | 18 | V | 0 | A16 | 52,2732 | 119,7997 |
| 26 | 18 | V | 0 | A17 | 95,051 | 135,6823 |
| 26 | 18 | V | 0 | A18 | 106,9194 | 58,2512 |
| 26 | 18 | V | 0 | A19 | 99,5841 | 29,0182 |
| 26 | 18 | V | 0 | A20 | 85,9012 | 14,0193 |
| 26 | 18 | V | 0 | A21 | 101,3155 | 13,8961 |
| 26 | 18 | V | 0 | A22 | 40,6089 | 27,8573 |
| 26 | 18 | V | 0 | A23 | 45,1488 | 55,5879 |
| 27 | 18 | M | 0 | A03 | 21,3605 | 35,9597 |
| 27 | 18 | M | 0 | A04 | 29,3423 | 36,8893 |
| 27 | 18 | M | 0 | A05 | 62,7772 | 36,7976 |
| 27 | 18 | M | 0 | A06 | 27,1986 | 103,6741 |
| 27 | 18 | M | 0 | A07 | 34,3625 | 97,4357 |
| 27 | 18 | M | 0 | A08 | 65,7128 | 105,1187 |
| 27 | 18 | M | 0 | A10 | 76,7855 | 91,7972 |
| 27 | 18 | M | 0 | A11 | 86,5043 | 96,8018 |
| 27 | 18 | M | 0 | A12 | 76,4181 | 39,0111 |
| 27 | 18 | M | 0 | A13 | 85,4075 | 38,8517 |
| 27 | 18 | M | 0 | A14 | 123,3851 | 40,1668 |
| 27 | 18 | M | 0 | A15 | 119,6514 | 112,7281 |
| 27 | 18 | M | 0 | A16 | 51,4726 | 120,1077 |
| 27 | 18 | M | 0 | A17 | 93,0427 | 136,4753 |
| 28 | 18 | V | 0 | A01 | 30,2425 | 12,0645 |
| 28 | 18 | V | 0 | A02 | 40,5969 | 11,9823 |
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| 28 | 18 | V | 0 | A05 | 64,8858 | 48,0274 |
| 28 | 18 | V | 0 | A06 | 23,8954 | 92,521 |
| 28 | 18 | V | 0 | A07 | 33,1105 | 93,5018 |
| 28 | 18 | V | 0 | A08 | 65,4687 | 90,2808 |
| 28 | 18 | V | 0 | A09 | 68,0981 | 107,3937 |
| 28 | 18 | V | 0 | A10 | 77,5567 | 92,1647 |

| 28 | 18 | V | 0 | A11 | 87,6257 | 89,3825 |
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| 28 | 18 | V | 0 | A12 | 77,243 | 45,6617 |
| 28 | 18 | V | 0 | A13 | 86,136 | 46,147 |
| 28 | 18 | V | 0 | A14 | 125,0568 | 48,1183 |
| 28 | 18 | V | 0 | A15 | 124,8756 | 102,233 |
| 28 | 18 | V | 0 | A19 | 99,2727 | 29,1402 |
| 28 | 18 | V | 0 | A20 | 86,481 | 13,7949 |
| 28 | 18 | V | 0 | A21 | 98,7863 | 13,8895 |
| 28 | 18 | V | 0 | A22 | 39,9405 | 28,3704 |
| 28 | 18 | V | 0 | A25 | 44,3313 | 24,5288 |
| 28 | 18 | V | 0 | A27 | 105,0688 | 26,8958 |
| 29 | 18 | V | 0 | A01 | 28,7134 | 12,5137 |
| 29 | 18 | V | 0 | A02 | 41,8562 | 12,304 |
| 29 | 18 | V | 0 | A03 | 21,0149 | 38,9065 |
| 29 | 18 | V | 0 | A04 | 29,0599 | 40,0058 |
| 29 | 18 | V | 0 | A05 | 63,8494 | 44,0284 |
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| 29 | 18 | V | 0 | A07 | 30,7042 | 88,0128 |
| 29 | 18 | V | 0 | A08 | 64,6052 | 91,9005 |
| 29 | 18 | V | 0 | A10 | 77,3091 | 88,0578 |
| 29 | 18 | V | 0 | A11 | 86,9826 | 88,116 |
| 29 | 18 | V | 0 | A12 | 76,5532 | 42,7154 |
| 29 | 18 | V | 0 | A13 | 85,4021 | 43,7658 |
| 29 | 18 | V | 0 | A14 | 124,7064 | 47,7504 |
| 29 | 18 | V | 0 | A15 | 124,5459 | 100,8747 |
| 29 | 18 | V | 0 | A16 | 51,5917 | 120,3374 |
| 29 | 18 | V | 0 | A17 | 91,1674 | 136,4358 |
| 29 | 18 | V | 0 | A20 | 86,0166 | 14,4444 |
| 29 | 18 | V | 0 | A21 | 99,5998 | 14,5316 |
| 30 | 17 | V | 0 | A03 | 23,7572 | 18,4815 |
| 30 | 17 | V | 0 | A04 | 29,5296 | 27,0532 |
| 30 | 17 | V | 0 | A06 | 23,8639 | 92,3618 |
| 30 | 17 | V | 0 | A07 | 32,1673 | 90,9028 |
| 30 | 17 | V | 0 | A08 | 66,5678 | 104,3183 |
| 30 | 17 | V | 0 | A10 | 77,1905 | 94,5854 |
| 30 | 17 | V | 0 | A11 | 86,2704 | 101,3022 |
| 30 | 17 | V | 0 | A12 | 77,2174 | 29,5103 |
| 30 | 17 | V | 0 | A13 | 85,8603 | 40,6644 |
| 30 | 17 | V | 0 | A14 | 124,7535 | 42,2835 |
| 30 | 17 | V | 0 | A15 | 125,0451 | 100,869 |
| 30 | 17 | V | 0 | A17 | 92,3768 | 135,9647 |
| 30 | 17 | V | 0 | A05 | 60,8554 | 26,5446 |
| 31 | 17 | M | 0 | A02 | 41,6663 | 12,0862 |
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| 31 | 17 | M | 0 | A21 | 100,711 | 14,118 |
| 31 | 17 | M | 0 | A22 | 40,5043 | 27,7597 |
| 31 | 17 | M | 0 | A23 | 44,8838 | 55,4661 |
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| 32 | 17 | M | 0 | A20 | 85,4907 | 14,1939 |
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| 32 | 17 | M | 0 | A22 | 40,3455 | 27,9472 |
| 32 | 17 | M | 0 | A23 | 44,5731 | 55,5135 |
| 33 | 17 | V | 0 | A02 | 40,9028 | 11,9604 |
| 33 | 17 | V | 0 | A09 | 67,9603 | 107,6153 |
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| 33 | 17 | V | 0 | A21 | 99,9548 | 13,75 |
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| 34 | 16 | V | 0 | A09 | 68,2437 | 107,3097 |
| 34 | 16 | V | 0 | A16 | 52,1584 | 119,5545 |
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| 34 | 16 | V | 0 | A23 | 45,3403 | 55,4954 |
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| 35 | 16 | V | 0 | A03 | 21,8228 | 28,2687 |
| 35 | 16 | V | 0 | A04 | 29,6955 | 26,1892 |
| 35 | 16 | V | 0 | A05 | 64,0818 | 41,3784 |
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| 35 | 16 | V | 0 | A10 | 76,4844 | 97,4036 |
| 35 | 16 | V | 0 | A11 | 85,9469 | 102,2193 |
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| 35 | 16 | V | 0 | A14 | 123,8315 | 38,4877 |
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| 35 | 16 | V | 0 | A17 | 91,8805 | 135,5225 |
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| 35 | 16 | V | 0 | A20 | 86,1053 | 13,7101 |
| 35 | 16 | V | 0 | A21 | 101,8582 | 13,9523 |
| 35 | 16 | V | 0 | A23 | 45,8932 | 55,2114 |
| 35 | 16 | V | 0 | A25 | 44,2644 | 24,5618 |
| 35 | 16 | V | 0 | A27 | 104,0394 | 26,7051 |
| 36 | 16 | M | 0 | A01 | 34,4555 | 11,5922 |
| 36 | 16 | M | 0 | A02 | 43,729 | 11,9865 |
| 36 | 16 | M | 0 | A03 | 25,1163 | 16,2577 |
| 36 | 16 | M | 0 | A06 | 24,755 | 94,8333 |
| 36 | 16 | M | 0 | A07 | 33,6902 | 93,4729 |
| 36 | 16 | M | 0 | A08 | 65,6868 | 90,4121 |
| 36 | 16 | M | 0 | A09 | 68,1546 | 107,3318 |
| 36 | 16 | M | 0 | A10 | 77,9408 | 91,9425 |
| 36 | 16 | M | 0 | A11 | 87,727 | 94,8333 |
| 36 | 16 | M | 0 | A12 | 79,1128 | 20,7262 |
| 36 | 16 | M | 0 | A15 | 126,106 | 97,299 |
| 36 | 16 | M | 0 | A16 | 53,603 | 119,5752 |
| 36 | 16 | M | 0 | A20 | 91,2143 | 13,4321 |
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| 37 | 16 | V | 0 | A01 | 30,864 | 11,7796 |
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| 37 | 16 | V | 0 | A17 | 93,3436 | 135,5422 |
| 37 | 16 | V | 0 | A21 | 96,689 | 14,9612 |
| 37 | 16 | V | 0 | A23 | 43,7219 | 54,4511 |
| 37 | 16 | V | 0 | A25 | 42,5917 | 24,9511 |
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| 37 | 16 | V | 0 | A38 | 71,0899 | 116,7819 |
| 37 | 16 | V | 0 | A39 | 103,8539 | 31,4988 |
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| 38 | 16 | V | 0 | A23 | 45,2942 | 56,0529 |
| 39 | 16 | M | 0 | A01 | 29,0774 | 12,596 |
| 39 | 16 | M | 0 | A02 | 40,606 | 12,2022 |
| 39 | 16 | M | 0 | A09 | 67,9031 | 107,666 |
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| 39 | 16 | M | 0 | A22 | 40,7558 | 28,0246 |
| 39 | 16 | M | 0 | A23 | 44,7772 | 55,686 |
| 40 | 16 | V | 0 | A01 | 27,6722 | 13,1266 |
| 40 | 16 | V | 0 | A02 | 41,8522 | 12,1248 |
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| 40 | 16 | V | 0 | A16 | 53,842 | 119,8802 |
| 40 | 16 | V | 0 | A18 | 107,2186 | 58,2811 |
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| 40 | 16 | V | 0 | A23 | 45,7847 | 55,3609 |
| 41 | 16 | V | 0 | A02 | 41,1765 | 12,2993 |
| 41 | 16 | V | 0 | A09 | 66,6295 | 108,5034 |
| 41 | 16 | V | 0 | A16 | 51,8275 | 120,1572 |
| 41 | 16 | V | 0 | A18 | 106,6126 | 59,1452 |
| 41 | 16 | V | 0 | A19 | 99,4352 | 29,9945 |
| 41 | 16 | V | 0 | A21 | 99,2487 | 14,7207 |
| 41 | 16 | V | 0 | A22 | 40,6172 | 28,225 |
| 41 | 16 | V | 0 | A23 | 44,1593 | 55,513 |
| 42 | 16 | V | 0 | A09 | 67,1532 | 107,8587 |
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| 42 | 16 | V | 0 | A22 | 40,4266 | 28,1164 |
| 42 | 16 | V | 0 | A23 | 45,0128 | 55,7282 |
| 43 | 16 | M | 0 | A02 | 41,2861 | 12,2272 |
| 43 | 16 | M | 0 | A16 | 52,707 | 120,176 |
| 43 | 16 | M | 0 | A21 | 101,116 | 14,4553 |
| 44 | 16 | M | 0 | A02 | 41,0908 | 12,264 |
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| 45 | 16 | V | 0 | A04 | 29,6381 | 25,8044 |
| 45 | 16 | V | 0 | A05 | 62,3494 | 31,7697 |
| 45 | 16 | V | 0 | A06 | 31,1757 | 107,5639 |
| 45 | 16 | V | 0 | A09 | 67,0906 | 105,9182 |
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| 45 | 16 | V | 0 | A13 | 87,1661 | 25,9541 |
| 45 | 16 | V | 0 | A14 | 122,6389 | 34,2853 |
| 45 | 16 | V | 0 | A15 | 121,1734 | 111,1192 |
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| 45 | 16 | V | 0 | A23 | 45,5895 | 55,4377 |
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| 45 | 16 | V | 0 | A27 | 111,8081 | 31,9403 |
| 45 | 16 | V | 0 | A28 | 114,077 | 55,5378 |
| 45 | 16 | V | 0 | A30 | 102,4174 | 54,5691 |
| 45 | 16 | V | 0 | A32 | 54,2752 | 34,0168 |
| 45 | 16 | V | 0 | A35 | 39,2126 | 49,1213 |
| 46 | 16 | V | 0 | A02 | 43,06 | 12,2528 |
| 46 | 16 | V | 0 | A21 | 102,3694 | 14,4822 |
| 46 | 16 | V | 0 | A25 | 45,2193 | 24,8379 |
| 46 | 16 | V | 0 | A27 | 103,737 | 27,283 |
| 47 | 15 | M | 0 | A03 | 20,9246 | 40,0282 |
| 47 | 15 | M | 0 | A04 | 29,222 | 27,8613 |
| 47 | 15 | M | 0 | A06 | 23,2574 | 93,1762 |
| 47 | 15 | M | 0 | A07 | 30,2577 | 85,7586 |
| 47 | 15 | M | 0 | A10 | 77,6831 | 81,7247 |
| 47 | 15 | M | 0 | A14 | 124,6073 | 51,6087 |
| 47 | 15 | M | 0 | A15 | 118,0489 | 115,4894 |
| 47 | 15 | M | 0 | A17 | 91,0208 | 136,3106 |
| 47 | 15 | M | 0 | A25 | 42,36 | 25,3677 |
| 47 | 15 | M | 0 | A26 | 46,9431 | 56,4039 |
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| 47 | 15 | M | 0 | A28 | 108,6025 | 59,5123 |
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| 48 | 15 | M | 0 | A16 | 52,5443 | 119,6105 |
| 48 | 15 | M | 0 | A18 | 106,5733 | 58,1413 |
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| 48 | 15 | M | 0 | A22 | 40,5393 | 28,0571 |
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| 50 | 15 | M | 0 | A14 | 124,426 | 41,1744 |
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| 50 | 15 | M | 0 | A17 | 92,8261 | 135,6078 |
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| 51 | 15 | M | 0 | A03 | 21,6575 | 30,3546 |
| 51 | 15 | M | 0 | A04 | 29,6783 | 31,6498 |
| 51 | 15 | M | 0 | A05 | 63,463 | 36,6685 |
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| 52 | 15 | V | 0 | A03 | 21,7529 | 28,2087 |
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|  | 15 | V | 0 | A04 | 29,7099 | 25,8023 |
| 53 | 15 | V | 0 | A05 | 64,7172 | 46,8889 |
| 53 | 15 | V | 0 | A06 | 24,2178 | 94,1908 |
| 53 | 15 | V | 0 | A07 | 34,1694 | 95,3452 |
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| 53 | 15 | V | 0 | A13 | 85,9059 | 33,9189 |
| 53 | 15 | V | 0 | A14 | 124,8879 | 43,3659 |
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| 53 | 15 | V | 0 | A16 | 53,0341 | 119,7175 |
| 53 | 15 | V | 0 | A17 | 93,5513 | 135,6649 |
| 53 | 15 | V | 0 | A34 | 47,5486 | 47,9767 |
| 53 | 15 | V | 0 | A36 | 108,8499 | 48,6197 |
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| 53 | 15 | V | 0 | A39 | 107,4696 | 38,9001 |
| 54 | 15 | V | 0 | A01 | 28,3931 | 12,8112 |
| 54 | 15 | V | 0 | A02 | 42,937 | 11,8709 |
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| 54 | 15 | V | 0 | A19 | 99,3157 | 28,881 |
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| 55 | 15 | V | 0 | A10 | 76,5474 | 97,2685 |
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| 55 | 15 | V | 0 | A13 | 85,7901 | 36,2264 |
| 55 | 15 | V | 0 | A14 | 124,4315 | 41,2136 |
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| 56 | 15 | V | 0 | A18 | 106,7087 | 57,7944 |
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| 57 | 15 | M | 0 | A03 | 21,8919 | 31,1648 |
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| 57 | 15 | M | 0 | A07 | 30,3188 | 80,3195 |
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| 57 | 15 | M | 0 | A32 | 55,3232 | 36,5533 |
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| 59 | 18 | V | 0 | A06 | 23,8803 | 95,719 |
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| 59 | 18 | V | 0 | A10 | 77,1215 | 90,0551 |
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| 59 | 18 | V | 0 | A14 | 124,374 | 48,6243 |
| 59 | 18 | V | 0 | A15 | 124,8015 | 96,0357 |
| 60 | 18 | V | 0 | A01 | 27,822 | 12,8618 |
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| 61 | 19 | V | 3 | A02 | 45,0229 | 12,7996 |
| 61 | 19 | V | 3 | A03 | 21,333 | 32,0746 |
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| 61 | 19 | V | 3 | A11 | 87,1301 | 83,2833 |
| 61 | 19 | V | 3 | A12 | 76,2808 | 38,1266 |
| 61 | 19 | V | 3 | A13 | 85,2585 | 38,5588 |
| 61 | 19 | V | 3 | A14 | 124,1979 | 42,4494 |
| 61 | 19 | V | 3 | A15 | 124,9939 | 98,7387 |
| 61 | 19 | V | 3 | A16 | 52,6557 | 120,2522 |
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| 61 | 19 | V | 3 | A18 | 106,2425 | 58,4439 |
| 61 | 19 | V | 3 | A21 | 108,0813 | 16,2962 |
| 61 | 19 | V | 3 | A23 | 45,4538 | 55,526 |
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| 62 | 19 | V | 3 | A02 | 42,4637 | 11,9512 |
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| 62 | 19 | V | 3 | A14 | 124,6334 | 46,1305 |
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| 62 | 19 | V | 3 | A18 | 106,7407 | 57,8958 |
| 62 | 19 | V | 3 | A19 | 98,9413 | 29,1701 |
| 62 | 19 | V | 3 | A21 | 100,7186 | 14,1494 |
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| 62 | 19 | V | 3 | A23 | 45,4162 | 55,2983 |
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| 63 | 19 | V | 3 | A18 | 106,2826 | 58,5349 |
| 63 | 19 | V | 3 | A19 | 99,0974 | 29,4461 |
| 63 | 19 | V | 3 | A21 | 98,8174 | 14,1558 |
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| 64 | 19 | V | 3 | A05 | 64,4028 | 47,5518 |
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| 64 | 19 | V | 3 | A10 | 76,3545 | 94,843 |
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| 64 | 19 | V | 3 | A14 | 124,6588 | 51,3981 |
| 64 | 19 | V | 3 | A15 | 124,56 | 100,936 |
| 64 | 19 | V | 3 | A16 | 49,8318 | 119,4084 |
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| 65 | 19 | M | 3 | A01 | 28,2973 | 12,5138 |
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| 65 | 19 | M | 3 | A21 | 99,9585 | 14,0395 |
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| 65 | 19 | M | 3 | A29 | 53,608 | 111,8774 |
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| 66 | 19 | V | 3 | A05 | 64,5881 | 49,3458 |
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| 66 | 19 | V | 3 | A13 | 85,6338 | 30,2703 |
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| 67 | 19 | V | 3 | A06 | 23,3569 | 89,3136 |
| 67 | 19 | V | 3 | A07 | 32,0576 | 90,0281 |
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| 67 | 19 | V | 3 | A10 | 77,8252 | 89,3136 |
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| 67 | 19 | V | 3 | A13 | 85,9789 | 32,115 |
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| 67 | 19 | V | 3 | A15 | 125,4998 | 97,7685 |
| 67 | 19 | V | 3 | A16 | 52,796 | 119,7988 |
| 67 | 19 | V | 3 | A17 | 92,8427 | 135,6369 |
| 67 | 19 | V | 3 | A20 | 86,1257 | 13,7039 |
| 67 | 19 | V | 3 | A21 | 99,0466 | 13,6306 |
| 68 | 19 | M | 3 | A01 | 29,0976 | 12,2218 |
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| 68 | 19 | M | 3 | A16 | 52,2592 | 119,5509 |
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| 68 | 19 | M | 3 | A19 | 99,3071 | 28,8577 |
| 68 | 19 | M | 3 | A20 | 85,9058 | 13,9802 |
| 68 | 19 | M | 3 | A21 | 100,548 | 13,8149 |
| 68 | 19 | M | 3 | A22 | 40,4448 | 28,0598 |
| 68 | 19 | M | 3 | A23 | 44,7302 | 55,3969 |
| 69 | 19 | M | 3 | A01 | 28,0332 | 12,9469 |
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| 69 | 19 | M | 3 | A10 | 72,8363 | 103,1846 |
| 69 | 19 | M | 3 | A11 | 81,6853 | 108,4893 |
| 69 | 19 | M | 3 | A16 | 51,7756 | 119,7178 |
| 69 | 19 | M | 3 | A17 | 91,4192 | 136,0743 |
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| 69 | 19 | M | 3 | A19 | 99,2603 | 29,5617 |
| 69 | 19 | M | 3 | A20 | 83,8806 | 15,2519 |
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| 69 | 19 | M | 3 | A22 | 40,433 | 27,9291 |
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| 70 | 19 | M | 3 | A04 | 29,1611 | 26,9756 |
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| 70 | 19 | M | 3 | A20 | 86,2666 | 13,953 |
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| 70 | 19 | M | 3 | A22 | 40,1321 | 28,0062 |
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| 71 | 19 | M | 3 | A11 | 87,3134 | 93,2844 |
| 71 | 19 | M | 3 | A12 | 76,3236 | 35,2464 |
| 71 | 19 | M | 3 | A13 | 85,8393 | 34,4892 |
| 71 | 19 | M | 3 | A14 | 124,437 | 43,4185 |
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| 72 | 19 | V | 3 | A02 | 40,8634 | 12,0992 |
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| 72 | 19 | V | 3 | A04 | 29,5741 | 27,321 |
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| 72 | 19 | V | 3 | A08 | 66,7467 | 104,8087 |
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| 72 | 19 | V | 3 | A14 | 124,492 | 42,1049 |
| 72 | 19 | V | 3 | A15 | 125,7522 | 95,5129 |
| 72 | 19 | V | 3 | A16 | 52,293 | 119,6444 |
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| 73 | 19 | V | 3 | A07 | 32,6385 | 90,6761 |
| 73 | 19 | V | 3 | A08 | 67,3521 | 105,6854 |
| 73 | 19 | V | 3 | A10 | 77,1978 | 96,0511 |
| 73 | 19 | V | 3 | A11 | 87,0434 | 99,702 |
| 73 | 19 | V | 3 | A13 | 85,9009 | 36,4127 |
| 73 | 19 | V | 3 | A14 | 124,4833 | 42,4048 |
| 73 | 19 | V | 3 | A15 | 125,3096 | 99,0935 |
| 73 | 19 | V | 3 | A16 | 53,0404 | 119,4776 |
| 73 | 19 | V | 3 | A17 | 93,032 | 135,2981 |
| 73 | 19 | V | 3 | A20 | 86,7006 | 13,4431 |
| 73 | 19 | V | 3 | A21 | 107,1912 | 14,5417 |
| 74 | 19 | V | 3 | A01 | 28,6704 | 12,3612 |
| 74 | 19 | V | 3 | A02 | 42,1158 | 11,8898 |
| 74 | 19 | V | 3 | A03 | 21,7118 | 30,3906 |
| 74 | 19 | V | 3 | A04 | 29,6139 | 26,7376 |
| 74 | 19 | V | 3 | A05 | 64,7606 | 46,6525 |
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| 74 | 19 | V | 3 | A14 | 124,675 | 40,5248 |
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| 76 | 19 | V | 3 | A31 | 114,9686 | 41,8974 |
| 76 | 19 | V | 3 | A32 | 55,3996 | 41,4993 |
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| 79 | 19 | V | 3 | A14 | 124,2944 | 41,5189 |
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| 79 | 19 | V | 3 | A18 | 106,1417 | 58,0627 |
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| 81 | 19 | V | 3 | A26 | 45,6575 | 56,0724 |
| 81 | 19 | V | 3 | A27 | 105,1271 | 27,4462 |
| 81 | 19 | V | 3 | A28 | 108,1967 | 59,4228 |
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| 82 | 21 | M | 3 | A13 | 86,016 | 29,3708 |
| 82 | 21 | M | 3 | A14 | 121,4914 | 31,4887 |
| 82 | 21 | M | 3 | A15 | 122,5499 | 107,9881 |
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| 83 | 22 | M | 3 | A03 | 21,6133 | 32,6687 |
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| 83 | 22 | M | 3 | A11 | 87,326 | 90,7384 |
| 83 | 22 | M | 3 | A12 | 76,7403 | 34,9554 |
| 83 | 22 | M | 3 | A13 | 85,7955 | 35,7508 |
| 83 | 22 | M | 3 | A14 | 124,6033 | 44,2015 |
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| 84 | 19 | V | 3 | A01 | 28,4565 | 12,7771 |
| 84 | 19 | V | 3 | A02 | 42,0172 | 12,2932 |
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| 84 | 19 | V | 3 | A05 | 64,6587 | 47,4961 |
| 84 | 19 | V | 3 | A06 | 21,2483 | 81,5531 |
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| 84 | 19 | V | 3 | A08 | 65,1027 | 89,5293 |
| 84 | 19 | V | 3 | A10 | 77,3437 | 88,9976 |
| 84 | 19 | V | 3 | A11 | 87,6686 | 89,5293 |
| 84 | 19 | V | 3 | A12 | 76,7664 | 37,8184 |
| 84 | 19 | V | 3 | A13 | 85,6051 | 39,512 |
| 84 | 19 | V | 3 | A14 | 125,1974 | 51,6092 |
| 84 | 19 | V | 3 | A15 | 125,2992 | 98,528 |
| 84 | 19 | V | 3 | A16 | 52,1167 | 120,1583 |
| 84 | 19 | V | 3 | A17 | 92,2456 | 136,4299 |
| 84 | 19 | V | 3 | A20 | 86,5737 | 14,2287 |
| 84 | 19 | V | 3 | A21 | 100,2554 | 14,2287 |
| 84 | 19 | V | 3 | A29 | 52,8618 | 111,9693 |
| 85 | 30 | V | 3 | A01 | 28,1866 | 12,654 |
| 85 | 30 | V | 3 | A02 | 41,5999 | 12,3539 |
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| 85 | 30 | V | 3 | A09 | 67,2638 | 107,8737 |
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| 85 | 30 | V | 3 | A22 | 40,5989 | 28,2559 |
| 85 | 30 | V | 3 | A23 | 44,7029 | 55,5593 |
| 86 | 22 | V | 3 | A03 | 21,5849 | 27,7185 |
| 86 | 22 | V | 3 | A04 | 29,2459 | 29,2184 |
| 86 | 22 | V | 3 | A05 | 62,9918 | 36,1058 |
| 86 | 22 | V | 3 | A06 | 22,0347 | 84,5582 |
| 86 | 22 | V | 3 | A07 | 30,433 | 85,1055 |
| 86 | 22 | V | 3 | A08 | 65,578 | 97,1447 |
| 86 | 22 | V | 3 | A10 | 78,0841 | 82,4605 |
| 86 | 22 | V | 3 | A11 | 87,4865 | 82,9165 |
| 86 | 22 | V | 3 | A12 | 76,6647 | 32,7535 |
| 86 | 22 | V | 3 | A13 | 85,5946 | 35,6584 |
| 86 | 22 | V | 3 | A14 | 124,6371 | 43,4394 |
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| 86 | 22 | V | 3 | A18 | 106,7773 | 58,4826 |
| 86 | 22 | V | 3 | A23 | 45,3061 | 55,6814 |
| 86 | 22 | V | 3 | A25 | 43,2739 | 24,7189 |
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| 87 | 27 | V | 3 | A10 | 78,1235 | 83,1985 |
| 87 | 27 | V | 3 | A11 | 87,3948 | 85,8574 |
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| 88 | 24 | V | 3 | A07 | 32,7521 | 93,3037 |
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| 88 | 24 | V | 3 | A10 | 77,497 | 92,3787 |
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| 88 | 24 | V | 3 | A12 | 76,6307 | 42,0109 |
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| 88 | 24 | V | 3 | A14 | 125,0344 | 48,3813 |
| 88 | 24 | V | 3 | A15 | 125,7391 | 95,7702 |
| 89 | 24 | V | 3 | A01 | 29,3687 | 12,1228 |
| 89 | 24 | V | 3 | A02 | 42,9849 | 12,1228 |
| 89 | 24 | V | 3 | A03 | 21,3961 | 30,4707 |
| 89 | 24 | V | 3 | A04 | 29,3687 | 27,4277 |
| 89 | 24 | V | 3 | A05 | 64,4841 | 48,1027 |
| 89 | 24 | V | 3 | A06 | 21,735 | 83,0788 |
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| 89 | 24 | V | 3 | A08 | 65,8005 | 102,259 |
| 89 | 24 | V | 3 | A09 | 67,4003 | 107,6353 |
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| 89 | 24 | V | 3 | A13 | 85,6249 | 34,6773 |
| 89 | 24 | V | 3 | A14 | 124,1443 | 43,1801 |
| 89 | 24 | V | 3 | A15 | 124,4091 | 102,1137 |
| 89 | 24 | V | 3 | A16 | 51,5483 | 119,9862 |
| 89 | 24 | V | 3 | A17 | 90,96 | 135,8244 |
| 89 | 24 | V | 3 | A18 | 105,87 | 58,4849 |
| 89 | 24 | V | 3 | A19 | 99,1515 | 29,3072 |
| 89 | 24 | V | 3 | A20 | 86,9686 | 14,0918 |
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| 89 | 24 | V | 3 | A23 | 44,3286 | 55,6209 |
| 90 | 20 | V | 3 | A02 | 44,3937 | 12,4822 |
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| 90 | 20 | V | 3 | A05 | 63,9078 | 42,285 |
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| 90 | 20 | V | 3 | A13 | 85,745 | 38,5713 |
| 90 | 20 | V | 3 | A14 | 125,1449 | 50,0839 |
| 90 | 20 | V | 3 | A15 | 123,6632 | 105,2965 |
| 90 | 20 | V | 3 | A16 | 53,0798 | 120,0986 |
| 90 | 20 | V | 3 | A17 | 92,8065 | 136,0321 |
| 90 | 20 | V | 3 | A21 | 105,352 | 14,5248 |
| 90 | 20 | V | 3 | A25 | 46,5309 | 24,8304 |
| 90 | 20 | V | 3 | A26 | 46,6238 | 56,0259 |
| 90 | 20 | V | 3 | A27 | 105,1662 | 27,0587 |
| 90 | 20 | V | 3 | A28 | 108,4185 | 58,904 |
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| 91 | 23 | V | 3 | A03 | 21,4773 | 27,5408 |
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| 91 | 23 | V | 3 | A05 | 63,3858 | 40,0938 |
| 91 | 23 | V | 3 | A06 | 22,6003 | 87,462 |
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| 91 | 23 | V | 3 | A08 | 65,1575 | 92,1767 |
| 91 | 23 | V | 3 | A10 | 77,479 | 90,2559 |
| 91 | 23 | V | 3 | A11 | 87,2663 | 92,3513 |
| 91 | 23 | V | 3 | A12 | 77,1544 | 28,8305 |
| 91 | 23 | V | 3 | A13 | 86,3623 | 29,4324 |
| 91 | 23 | V | 3 | A14 | 124,2261 | 40,6097 |
| 91 | 23 | V | 3 | A15 | 124,2307 | 103,7017 |
| 92 | 23 | V | 3 | A01 | 28,4894 | 12,7437 |
| 92 | 23 | V | 3 | A02 | 47,4775 | 13,5553 |
| 92 | 23 | V | 3 | A17 | 95,1279 | 135,8046 |
| 92 | 23 | V | 3 | A20 | 85,9612 | 14,3669 |
| 92 | 23 | V | 3 | A21 | 103,2231 | 14,3669 |
| 92 | 23 | V | 3 | A25 | 47,0713 | 25,1208 |
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| 92 | 23 | V | 3 | A29 | 55,3928 | 111,6955 |
| 92 | 23 | V | 3 | A38 | 55,2483 | 119,8522 |
| 93 | 21 | V | 3 | A03 | 21,544 | 26,388 |
| 93 | 21 | V | 3 | A04 | 29,4129 | 25,789 |
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| 93 | 21 | V | 3 | A07 | 32,1569 | 91,5447 |
| 93 | 21 | V | 3 | A10 | 77,508 | 90,0116 |
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| 93 | 21 | V | 3 | A14 | 124,627 | 43,9281 |
| 93 | 21 | V | 3 | A15 | 124,0526 | 104,0651 |
| 93 | 21 | V | 3 | A05 | 60,2874 | 25,9718 |
| 94 | 20 | V | 3 | A03 | 21,9665 | 26,225 |
| 94 | 20 | V | 3 | A04 | 29,5714 | 27,1968 |
| 94 | 20 | V | 3 | A06 | 21,6358 | 80,2278 |
| 94 | 20 | V | 3 | A07 | 30,0807 | 79,5843 |
| 94 | 20 | V | 3 | A10 | 77,3152 | 93,5993 |
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| 94 | 20 | V | 3 | A13 | 86,4313 | 28,2571 |
| 94 | 20 | V | 3 | A14 | 124,898 | 46,0159 |
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| 94 | 20 | V | 3 | A30 | 97,5734 | 42,1284 |
| 94 | 20 | V | 3 | A31 | 115,4361 | 43,1003 |
| 94 | 20 | V | 3 | A32 | 55,5696 | 40,0079 |
| 94 | 20 | V | 3 | A34 | 47,5225 | 40,0079 |
| 94 | 20 | V | 3 | A35 | 37,8838 | 39,3895 |
| 94 | 20 | V | 3 | A36 | 108,2733 | 42,7469 |
| 95 | 28 | V | 3 | A01 | 27,8883 | 13,0419 |
| 95 | 28 | V | 3 | A02 | 41,2141 | 12,1677 |
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| 95 | 28 | V | 3 | A04 | 29,6381 | 26,7596 |
| 95 | 28 | V | 3 | A05 | 62,347 | 32,5426 |

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| 95 | 28 | V | 3 | A07 | 34,0228 | 95,3371 |
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| 95 | 28 | V | 3 | A15 | 124,9988 | 101,4855 |
| 95 | 28 | V | 3 | A16 | 52,8168 | 119,9308 |
| 95 | 28 | V | 3 | A17 | 93,731 | 136,2159 |
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| 95 | 28 | V | 3 | A19 | 99,8021 | 29,3636 |
| 95 | 28 | V | 3 | A20 | 84,5568 | 14,992 |
| 95 | 28 | V | 3 | A21 | 99,1614 | 14,0505 |
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| 95 | 28 | V | 3 | A23 | 45,3576 | 55,7022 |
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| 95 | 28 | V | 3 | A26 | 46,6488 | 56,0247 |
| 95 | 28 | V | 3 | A27 | 104,9668 | 26,9985 |
| 95 | 28 | V | 3 | A28 | 109,7012 | 59,2499 |
| 96 | 22 | V | 3 | A03 | 21,6823 | 36,9058 |
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| 96 | 22 | V | 3 | A05 | 64,1303 | 43,4766 |
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| 96 | 22 | V | 3 | A11 | 86,71 | 96,222 |
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| 96 | 22 | V | 3 | A14 | 124,7132 | 46,6624 |
| 96 | 22 | V | 3 | A15 | 122,976 | 106,6373 |
| 97 | 21 | V | 3 | A03 | 21,7254 | 28,3956 |
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| 97 | 21 | V | 3 | A17 | 94,388 | 136,0374 |
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| 97 | 21 | V | 3 | A24 | 49,3774 | 14,802 |
| 97 | 21 | V | 3 | A31 | 115,5882 | 45,3986 |
| 97 | 21 | V | 3 | A36 | 108,4235 | 44,7481 |
| 97 | 21 | V | 3 | A38 | 56,6623 | 120,1077 |
| 98 | 28 | V | 3 | A03 | 21,5959 | 26,7045 |
| 98 | 28 | V | 3 | A04 | 29,4428 | 26,1684 |
| 98 | 28 | V | 3 | A05 | 64,5189 | 46,8072 |
| 98 | 28 | V | 3 | A06 | 22,9565 | 88,1439 |
| 98 | 28 | V | 3 | A07 | 31,4434 | 88,7147 |
| 98 | 28 | V | 3 | A08 | 65,3912 | 94,0144 |
| 98 | 28 | V | 3 | A10 | 77,5504 | 89,0408 |
| 98 | 28 | V | 3 | A11 | 87,5063 | 90,2638 |
| 98 | 28 | V | 3 | A12 | 77,1946 | 28,1787 |
| 98 | 28 | V | 3 | A13 | 86,1145 | 29,5859 |
| 98 | 28 | V | 3 | A14 | 124,7222 | 43,3091 |
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| 98 | 28 | V | 3 | A18 | 106,7138 | 58,4432 |
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| 98 | 28 | V | 3 | A26 | 47,9761 | 56,3412 |
| 98 | 28 | V | 3 | A27 | 104,4417 | 27,2501 |
| 99 | 19 | V | 3 | A04 | 29,4222 | 27,4383 |
| 99 | 19 | V | 3 | A05 | 63,3764 | 38,6006 |
| 99 | 19 | V | 3 | A06 | 22,0027 | 83,8255 |
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| 100 | 23 | V | 3 | A14 | 124,4507 | 43,1449 |
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| 101 | 21 | V | 3 | A16 | 52,1003 | 119,7105 |
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| 102 | 25 | M | 4 | A01 | 29,0344 | 12,2423 |
| 102 | 25 | M | 4 | A02 | 42,6499 | 12,334 |
| 102 | 25 | M | 4 | A03 | 21,2138 | 29,1837 |
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| 102 | 25 | M | 4 | A06 | 21,7089 | 84,4704 |
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| 102 | 25 | M | 4 | A08 | 64,984 | 101,5111 |
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| 102 | 25 | M | 4 | A17 | 90,4399 | 136,2283 |
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| 102 | 25 | M | 4 | A20 | 85,887 | 14,4297 |
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| 102 | 25 | M | 4 | A22 | 40,2782 | 28,3753 |
| 102 | 25 | M | 4 | A23 | 44,3377 | 55,5981 |
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| 103 | 24 | V | 4 | A05 | 64,036 | 48,9964 |
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| 103 | 24 | V | 4 | A10 | 77,0726 | 84,6391 |
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| 104 | 25 | M | 4 | A02 | 41,071 | 12,1234 |
| 104 | 25 | M | 4 | A03 | 21,146 | 29,7703 |
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| 104 | 25 | M | 4 | A22 | 40,191 | 27,7607 |
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| 105 | 25 | V | 4 | A03 | 21,4008 | 26,0515 |
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| 105 | 25 | V | 4 | A04 | 28,8517 | 28,7585 |
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| 105 | 25 | V | 4 | A12 | 75,7631 | 38,3532 |
| 105 | 25 | V | 4 | A13 | 84,6466 | 38,6955 |
| 105 | 25 | V | 4 | A14 | 123,8808 | 48,8535 |
| 105 | 25 | V | 4 | A15 | 123,202 | 103,2611 |
| 105 | 25 | V | 4 | A25 | 46,4673 | 25,269 |
| 105 | 25 | V | 4 | A26 | 45,5694 | 56,1683 |
| 105 | 25 | V | 4 | A27 | 104,5723 | 27,5287 |
| 105 | 25 | V | 4 | A28 | 107,4552 | 59,4142 |
| 106 | 25 | M | 4 | A03 | 21,4211 | 29,9792 |
| 106 | 25 | M | 4 | A04 | 29,1158 | 30,6198 |
| 106 | 25 | M | 4 | A05 | 63,8129 | 45,3551 |
| 106 | 25 | M | 4 | A06 | 22,9402 | 91,3706 |
| 106 | 25 | M | 4 | A07 | 32,3597 | 93,4815 |
| 106 | 25 | M | 4 | A08 | 64,8438 | 100,1662 |
| 106 | 25 | M | 4 | A10 | 77,1684 | 87,8523 |
| 106 | 25 | M | 4 | A11 | 86,676 | 90,8428 |
| 106 | 25 | M | 4 | A12 | 76,8472 | 29,7158 |
| 106 | 25 | M | 4 | A13 | 85,608 | 31,7701 |
| 106 | 25 | M | 4 | A14 | 124,1375 | 49,3657 |
| 106 | 25 | M | 4 | A15 | 122,5934 | 105,5316 |
| 106 | 25 | M | 4 | A16 | 51,5509 | 119,9564 |
| 106 | 25 | M | 4 | A17 | 91,6058 | 136,4922 |
| 106 | 25 | M | 4 | A30 | 96,6931 | 38,4689 |
| 106 | 25 | M | 4 | A31 | 114,8404 | 46,8648 |
| 106 | 25 | M | 4 | A32 | 54,9783 | 43,5043 |
| 106 | 25 | M | 4 | A34 | 46,9275 | 42,0094 |
| 106 | 25 | M | 4 | A35 | 38,5203 | 35,8163 |
| 106 | 25 | M | 4 | A36 | 107,5993 | 44,1853 |
| 107 | 22 | V | 4 | A03 | 20,9196 | 30,5607 |
| 107 | 22 | V | 4 | A04 | 29,0724 | 26,783 |
| 107 | 22 | V | 4 | A06 | 20,8014 | 79,317 |
| 107 | 22 | V | 4 | A07 | 29,4268 | 79,6712 |
| 107 | 22 | V | 4 | A08 | 64,4012 | 91,0044 |
| 107 | 22 | V | 4 | A10 | 77,6347 | 78,6087 |
| 107 | 22 | V | 4 | A11 | 86,142 | 97,0251 |
| 107 | 22 | V | 4 | A12 | 76,2168 | 40,4772 |
| 107 | 22 | V | 4 | A13 | 85,0786 | 41,8939 |
| 107 | 22 | V | 4 | A14 | 124,0702 | 43,0744 |
| 107 | 22 | V | 4 | A15 | 124,4247 | 95,6085 |
| 107 | 22 | V | 4 | A30 | 96,7761 | 41,5397 |
| 107 | 22 | V | 4 | A31 | 114,6177 | 45,7897 |
| 107 | 22 | V | 4 | A32 | 54,8305 | 45,5536 |
| 107 | 22 | V | 4 | A35 | 37,6978 | 40,9495 |
| 108 | 26 | V | 4 | A03 | 21,3941 | 28,008 |
| 108 | 26 | V | 4 | A04 | 29,6096 | 27,5029 |
| 108 | 26 | V | 4 | A05 | 63,1035 | 41,1414 |
| 108 | 26 | V | 4 | A06 | 24,9331 | 98,0946 |
| 108 | 26 | V | 4 | A07 | 32,1375 | 93,0433 |
| 108 | 26 | V | 4 | A08 | 65,7139 | 105,6224 |
| 108 | 26 | V | 4 | A10 | 76,1218 | 95,569 |
| 108 | 26 | V | 4 | A11 | 85,854 | 99,61 |
| 108 | 26 | V | 4 | A12 | 76,1218 | 34,1958 |
| 108 | 26 | V | 4 | A13 | 85,6012 | 35,4587 |
| 108 | 26 | V | 4 | A14 | 123,6452 | 41,7728 |
| 108 | 26 | V | 4 | A15 | 123,3754 | 103,759 |
| 108 | 26 | V | 4 | A30 | 96,9765 | 43,9196 |
| 108 | 26 | V | 4 | A31 | 114,4186 | 42,1516 |
| 108 | 26 | V | 4 | A32 | 54,5088 | 37,3529 |
| 108 | 26 | V | 4 | A34 | 46,4197 | 36,974 |
| 108 | 26 | V | 4 | A35 | 37,9515 | 41,5202 |
| 108 | 26 | V | 4 | A36 | 107,467 | 44,551 |
| 109 | 27 | V | 4 | A03 | 21,3533 | 30,6338 |
| 109 | 27 | V | 4 | A04 | 28,8981 | 30,8797 |
| 109 | 27 | V | 4 | A05 | 63,9982 | 46,2021 |
| 109 | 27 | V | 4 | A06 | 21,2763 | 82,3719 |
| 109 | 27 | V | 4 | A07 | 29,577 | 81,9148 |
| 109 | 27 | V | 4 | A10 | 77,4206 | 80,674 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 109 | 27 | V | 4 | A11 | 87,1593 | 79,5639 |
| 109 | 27 | V | 4 | A12 | 76,0536 | 33,9933 |
| 109 | 27 | V | 4 | A13 | 85,5667 | 34,3211 |
| 109 | 27 | V | 4 | A14 | 124,2864 | 53,2757 |
| 109 | 27 | V | 4 | A25 | 43,4138 | 24,8162 |
| 109 | 27 | V | 4 | A26 | 48,2524 | 56,1986 |
| 109 | 27 | V | 4 | A27 | 103,9368 | 27,6021 |
| 109 | 27 | V | 4 | A28 | 109,7594 | 59,1483 |
| 110 | 29 | V | 4 | A01 | 28,9377 | 12,5143 |
| 110 | 29 | V | 4 | A02 | 41,5806 | 12,1827 |
| 110 | 29 | V | 4 | A03 | 21,8437 | 25,3015 |
| 110 | 29 | V | 4 | A04 | 29,6851 | 24,7612 |
| 110 | 29 | V | 4 | A05 | 63,1274 | 39,9197 |
| 110 | 29 | V | 4 | A06 | 21,1482 | 81,9063 |
| 110 | 29 | V | 4 | A07 | 29,8525 | 82,314 |
| 110 | 29 | V | 4 | A08 | 64,8059 | 81,9063 |
| 110 | 29 | V | 4 | A10 | 77,7264 | 84,8959 |
| 110 | 29 | V | 4 | A11 | 86,9748 | 86,2547 |
| 110 | 29 | V | 4 | A12 | 76,3846 | 33,2486 |
| 110 | 29 | V | 4 | A13 | 85,2872 | 34,4088 |
| 110 | 29 | V | 4 | A14 | 124,0909 | 48,6213 |
| 110 | 29 | V | 4 | A15 | 124,2403 | 98,3487 |
| 110 | 29 | V | 4 | A16 | 51,3414 | 119,9548 |
| 110 | 29 | V | 4 | A17 | 91,055 | 136,3972 |
| 110 | 29 | V | 4 | A20 | 85,6743 | 14,3953 |
| 110 | 29 | V | 4 | A21 | 100,4797 | 14,5887 |
| 110 | 29 | V | 4 | A30 | 96,7058 | 43,7871 |
| 110 | 29 | V | 4 | A31 | 114,898 | 45,5274 |
| 110 | 29 | V | 4 | A32 | 54,9022 | 43,9804 |
| 110 | 29 | V | 4 | A34 | 46,9673 | 44,1738 |
| 110 | 29 | V | 4 | A35 | 37,6776 | 40,7899 |
| 110 | 29 | V | 4 | A36 | 108,2211 | 46,3009 |
| 111 | 30 | V | 4 | A01 | 28,8782 | 12,5626 |
| 111 | 30 | V | 4 | A02 | 42,0347 | 12,3265 |
| 111 | 30 | V | 4 | A03 | 21,4727 | 25,7864 |
| 111 | 30 | V | 4 | A04 | 29,3509 | 25,8652 |
| 111 | 30 | V | 4 | A05 | 62,5179 | 36,5702 |
| 111 | 30 | V | 4 | A06 | 23,7536 | 95,6528 |
| 111 | 30 | V | 4 | A07 | 33,3128 | 95,4791 |
| 111 | 30 | V | 4 | A08 | 65,1189 | 102,6857 |
| 111 | 30 | V | 4 | A10 | 75,3733 | 97,6498 |
| 111 | 30 | V | 4 | A11 | 85,2802 | 101,036 |
| 111 | 30 | V | 4 | A12 | 76,935 | 27,1246 |
| 111 | 30 | V | 4 | A13 | 85,9161 | 29,1711 |
| 111 | 30 | V | 4 | A14 | 123,7026 | 43,8161 |
| 111 | 30 | V | 4 | A15 | 122,9087 | 104,2486 |
| 111 | 30 | V | 4 | A16 | 50,9539 | 119,8774 |
| 111 | 30 | V | 4 | A17 | 91,2764 | 136,2876 |
| 111 | 30 | V | 4 | A20 | 85,8373 | 14,5304 |
| 111 | 30 | V | 4 | A21 | 100,2544 | 14,5304 |
| 111 | 30 | V | 4 | A30 | 96,559 | 38,8122 |
| 111 | 30 | V | 4 | A31 | 114,7371 | 49,0053 |
| 111 | 30 | V | 4 | A32 | 54,8761 | 43,2608 |
| 111 | 30 | V | 4 | A35 | 37,8593 | 37,436 |

### 6.5 Segmentation points in the hinge example

This annex includes detailed information of the segmentation points marked by every segmenter in the hinge (D), as shown in figure 14.

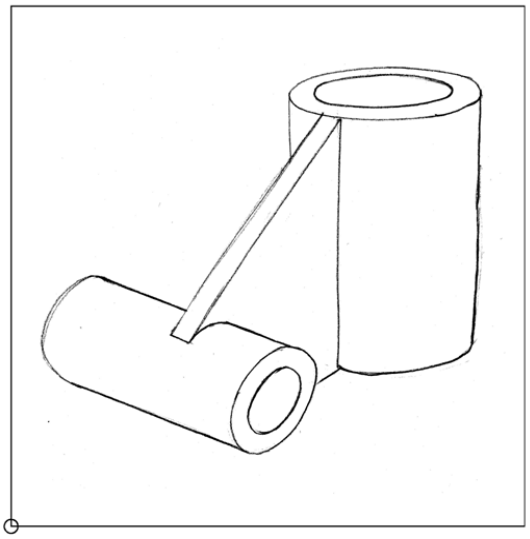

Figure 23: Hinge sketch given to the segmenters, within 15 x 15 cm square frame (experiment D).

Table 12: Segmentation points of the hinge with auxiliary lines (experiment D).

| Ref. | Age | Sex | Level | Point | Position X | Position Y |
|---|---|---|---|---|---|---|
| 1 | 42 | M | 1 | A01 | 24,15 | 70,18 |
| 1 | 42 | M | 1 | A02 | 17,83 | 39,98 |
| 1 | 42 | M | 1 | A03 | 45,98 | 53,59 |
| 1 | 42 | M | 1 | A04 | 51,73 | 51,91 |
| 1 | 42 | M | 1 | A07 | 79,49 | 50,57 |
| 1 | 42 | M | 1 | A08 | 70,97 | 20,64 |
| 1 | 42 | M | 1 | A10 | 94,55 | 44,47 |
| 1 | 42 | M | 1 | A11 | 131,66 | 51,13 |
| 1 | 42 | M | 1 | A12 | 134,96 | 121,43 |
| 1 | 42 | M | 1 | A13 | 80,12 | 120,3 |
| 1 | 42 | M | 1 | A14 | 89,29 | 115,57 |
| 1 | 42 | M | 1 | A15 | 94,79 | 114,87 |
| 1 | 42 | M | 1 | A21 | 79,05 | 44,75 |
| 1 | 42 | M | 1 | A22 | 72,21 | 26,24 |
| 1 | 42 | M | 1 | A29 | 87,58 | 120,75 |
| 1 | 42 | M | 1 | A30 | 126,65 | 122,82 |
| 2 | 24 | M | 1 | A01 | 23,7 | 70,13 |
| 2 | 24 | M | 1 | A02 | 16,61 | 40,56 |
| 2 | 24 | M | 1 | A03 | 46,35 | 53,74 |
| 2 | 24 | M | 1 | A04 | 51,18 | 51,5 |
| 2 | 24 | M | 1 | A05 | 50,31 | 60,37 |
| 2 | 24 | M | 1 | A06 | 61,27 | 57,24 |
| 2 | 24 | M | 1 | A07 | 79,41 | 50,57 |
| 2 | 24 | M | 1 | A08 | 66,89 | 21,16 |
| 2 | 24 | M | 1 | A09 | 87,21 | 40,27 |
| 2 | 24 | M | 1 | A10 | 94,03 | 44,54 |
| 2 | 24 | M | 1 | A11 | 131,93 | 50,47 |
| 2 | 24 | M | 1 | A12 | 135,26 | 120,52 |
| 2 | 24 | M | 1 | A13 | 80,34 | 120,7 |
| 2 | 24 | M | 1 | A14 | 89,72 | 115,86 |
| 2 | 24 | M | 1 | A15 | 94,56 | 114,59 |
| 2 | 24 | M | 1 | A16 | 80,82 | 104,37 |
| 2 | 24 | M | 1 | A18 | 63,74 | 34,02 |
| 2 | 24 | M | 1 | A19 | 69,04 | 34,96 |
| 2 | 24 | M | 1 | A26 | 109,35 | 118,16 |
| 2 | 24 | M | 1 | A28 | 108,38 | 129,23 |
| 3 | 23 | M | 1 | A01 | 26,04 | 69,98 |
| 3 | 23 | M | 1 | A02 | 16,01 | 40,91 |
| 3 | 23 | M | 1 | A03 | 46,48 | 54,65 |
| 3 | 23 | M | 1 | A04 | 51,14 | 51,52 |
| 3 | 23 | M | 1 | A05 | 50,49 | 60,17 |
| 3 | 23 | M | 1 | A06 | 62,56 | 57,12 |

| 3 | 23 | M | 1 | A07 | 81,44 | 50,33 |
|---|---|---|---|---|---|---|
| 3 | 23 | M | 1 | A08 | 65,87 | 21,9 |
| 3 | 23 | M | 1 | A09 | 87,04 | 40 |
| 3 | 23 | M | 1 | A10 | 93,87 | 44,58 |
| 3 | 23 | M | 1 | A11 | 132,18 | 51,66 |
| 3 | 23 | M | 1 | A12 | 135,25 | 120,97 |
| 3 | 23 | M | 1 | A13 | 80,44 | 121,11 |
| 3 | 23 | M | 1 | A14 | 89,46 | 115,88 |
| 3 | 23 | M | 1 | A15 | 95,64 | 114,93 |
| 3 | 23 | M | 1 | A16 | 80,88 | 103,74 |
| 4 | 22 | M | 1 | A01 | 25,5 | 69,93 |
| 4 | 22 | M | 1 | A02 | 15,18 | 41,41 |
| 4 | 22 | M | 1 | A03 | 46,59 | 53,37 |
| 4 | 22 | M | 1 | A04 | 51,79 | 51,41 |
| 4 | 22 | M | 1 | A05 | 51,11 | 60,3 |
| 4 | 22 | M | 1 | A06 | 62,86 | 56,68 |
| 4 | 22 | M | 1 | A07 | 81,13 | 49,87 |
| 4 | 22 | M | 1 | A08 | 67,42 | 20,6 |
| 4 | 22 | M | 1 | A09 | 87,23 | 39,34 |
| 4 | 22 | M | 1 | A10 | 94,46 | 44,08 |
| 4 | 22 | M | 1 | A11 | 131,95 | 49,3 |
| 4 | 22 | M | 1 | A12 | 135,73 | 120,2 |
| 4 | 22 | M | 1 | A13 | 80,93 | 120,33 |
| 4 | 22 | M | 1 | A14 | 89,97 | 115,13 |
| 4 | 22 | M | 1 | A15 | 94,49 | 113,93 |
| 4 | 22 | M | 1 | A16 | 81,08 | 103,24 |
| 4 | 22 | M | 1 | A19 | 70,96 | 37,91 |
| 4 | 22 | M | 1 | A26 | 108,61 | 117,49 |
| 5 | 21 | M | 1 | A01 | 24,74 | 70,12 |
| 5 | 21 | M | 1 | A02 | 17,8 | 40,06 |
| 5 | 21 | M | 1 | A03 | 46,32 | 53,6 |
| 5 | 21 | M | 1 | A04 | 51,43 | 51,69 |
| 5 | 21 | M | 1 | A07 | 80,72 | 50,41 |
| 5 | 21 | M | 1 | A08 | 69,39 | 20,55 |
| 5 | 21 | M | 1 | A10 | 94,25 | 44,77 |
| 5 | 21 | M | 1 | A11 | 132,42 | 50,19 |
| 5 | 21 | M | 1 | A12 | 135,44 | 120,64 |
| 5 | 21 | M | 1 | A13 | 80,78 | 120,08 |
| 5 | 21 | M | 1 | A14 | 89,95 | 115,78 |
| 5 | 21 | M | 1 | A15 | 95,54 | 114,66 |
| 6 | 21 | M | 1 | A03 | 46,23 | 54,01 |
| 6 | 21 | M | 1 | A04 | 51,46 | 51,56 |
| 6 | 21 | M | 1 | A10 | 93,98 | 44,69 |
| 6 | 21 | M | 1 | A14 | 89,59 | 115,72 |
| 6 | 21 | M | 1 | A15 | 94,69 | 115,04 |
| 6 | 21 | M | 1 | A21 | 75,34 | 43,54 |
| 6 | 21 | M | 1 | A24 | 119,46 | 44,9 |
| 6 | 21 | M | 1 | A25 | 114,49 | 114,9 |
| 6 | 21 | M | 1 | A26 | 112,04 | 118,5 |
| 6 | 21 | M | 1 | A31 | 74,39 | 48,64 |
| 6 | 21 | M | 1 | A32 | 17,15 | 65,94 |
| 7 | 21 | M | 1 | A01 | 24,58 | 70,03 |
| 7 | 21 | M | 1 | A02 | 16,38 | 40,4 |
| 7 | 21 | M | 1 | A03 | 46,28 | 53,65 |
| 7 | 21 | M | 1 | A04 | 51,58 | 51,24 |
| 7 | 21 | M | 1 | A07 | 80,71 | 50,35 |
| 7 | 21 | M | 1 | A08 | 67,05 | 21,07 |
| 7 | 21 | M | 1 | A10 | 94,46 | 44,55 |
| 7 | 21 | M | 1 | A11 | 132,31 | 51,63 |
| 7 | 21 | M | 1 | A12 | 134,96 | 120,32 |
| 7 | 21 | M | 1 | A14 | 89,89 | 115,64 |
| 7 | 21 | M | 1 | A15 | 95,05 | 114,76 |
| 7 | 21 | M | 1 | A21 | 81,42 | 43,53 |
| 7 | 21 | M | 1 | A27 | 115,25 | 126,88 |
| 8 | 21 | M | 1 | A01 | 26,26 | 69,62 |
| 8 | 21 | M | 1 | A02 | 14,99 | 41,44 |
| 8 | 21 | M | 1 | A03 | 46,56 | 54,59 |
| 8 | 21 | M | 1 | A04 | 51,57 | 51,46 |
| 8 | 21 | M | 1 | A05 | 50,7 | 60,35 |
| 8 | 21 | M | 1 | A06 | 62,35 | 57,1 |
| 8 | 21 | M | 1 | A07 | 79,51 | 50,33 |
| 8 | 21 | M | 1 | A08 | 66,36 | 21,16 |
| 8 | 21 | M | 1 | A09 | 87,06 | 39,64 |
| 8 | 21 | M | 1 | A10 | 94,03 | 44,36 |
| 8 | 21 | M | 1 | A11 | 132,53 | 51,72 |

| 8 | 21 | M | 1 | A12 | 135,57 | 121,01 |
|---|---|---|---|---|---|---|
| 8 | 21 | M | 1 | A13 | 80,57 | 120,03 |
| 8 | 21 | M | 1 | A14 | 89,7 | 115,51 |
| 8 | 21 | M | 1 | A15 | 94,91 | 114,73 |
| 8 | 21 | M | 1 | A16 | 80,96 | 103,24 |
| 9 | 20 | M | 1 | A01 | 24,91 | 70,24 |
| 9 | 20 | M | 1 | A02 | 17,4 | 40,2 |
| 9 | 20 | M | 1 | A03 | 46,09 | 53,62 |
| 9 | 20 | M | 1 | A04 | 51,88 | 51,9 |
| 9 | 20 | M | 1 | A05 | 50,41 | 60,64 |
| 9 | 20 | M | 1 | A06 | 62,97 | 57,31 |
| 9 | 20 | M | 1 | A07 | 82,8 | 49,93 |
| 9 | 20 | M | 1 | A10 | 93,99 | 44,82 |
| 9 | 20 | M | 1 | A11 | 132,04 | 51,48 |
| 9 | 20 | M | 1 | A12 | 134,94 | 121,1 |
| 9 | 20 | M | 1 | A13 | 80,4 | 120,99 |
| 9 | 20 | M | 1 | A14 | 89,37 | 115,89 |
| 9 | 20 | M | 1 | A15 | 94,26 | 115,14 |
| 9 | 20 | M | 1 | A21 | 79,1 | 44,84 |
| 9 | 20 | M | 1 | A30 | 126,66 | 122,39 |
| 10 | 20 | M | 1 | A01 | 24,65 | 70,08 |
| 10 | 20 | M | 1 | A02 | 16 | 40,97 |
| 10 | 20 | M | 1 | A03 | 46,78 | 53,53 |
| 10 | 20 | M | 1 | A04 | 51,37 | 51,2 |
| 10 | 20 | M | 1 | A05 | 51,14 | 60,22 |
| 10 | 20 | M | 1 | A06 | 62,2 | 56,84 |
| 10 | 20 | M | 1 | A07 | 79,71 | 50,16 |
| 10 | 20 | M | 1 | A08 | 66,4 | 21,18 |
| 10 | 20 | M | 1 | A10 | 94,13 | 44,25 |
| 10 | 20 | M | 1 | A11 | 132,55 | 50,92 |
| 10 | 20 | M | 1 | A12 | 135,73 | 120,33 |
| 10 | 20 | M | 1 | A14 | 90,08 | 115,4 |
| 10 | 20 | M | 1 | A15 | 95,33 | 114,47 |
| 10 | 20 | M | 1 | A22 | 76,01 | 27,14 |
| 10 | 20 | M | 1 | A26 | 106,85 | 117,63 |
| 11 | 20 | M | 1 | A01 | 24,57 | 70,11 |
| 11 | 20 | M | 1 | A02 | 12,13 | 44,58 |
| 11 | 20 | M | 1 | A03 | 46,54 | 53,74 |
| 11 | 20 | M | 1 | A04 | 51,82 | 51,79 |
| 11 | 20 | M | 1 | A05 | 51,09 | 60,71 |
| 11 | 20 | M | 1 | A06 | 61,84 | 57,25 |
| 11 | 20 | M | 1 | A07 | 80,04 | 50,7 |
| 11 | 20 | M | 1 | A08 | 65,86 | 22,18 |
| 11 | 20 | M | 1 | A10 | 93,8 | 44,34 |
| 11 | 20 | M | 1 | A11 | 131,61 | 50,89 |
| 11 | 20 | M | 1 | A12 | 134,77 | 120,73 |
| 11 | 20 | M | 1 | A14 | 89,5 | 115,82 |
| 11 | 20 | M | 1 | A15 | 94,53 | 115,03 |
| 12 | 20 | M | 0 | A01 | 24,76 | 70,09 |
| 12 | 20 | M | 0 | A02 | 17,4 | 40,06 |
| 12 | 20 | M | 0 | A03 | 46,23 | 53,56 |
| 12 | 20 | M | 0 | A04 | 51,4 | 51,16 |
| 12 | 20 | M | 0 | A05 | 50,82 | 60,54 |
| 12 | 20 | M | 0 | A06 | 61,94 | 56,98 |
| 12 | 20 | M | 0 | A07 | 80,85 | 50 |
| 12 | 20 | M | 0 | A08 | 70,02 | 20,05 |
| 12 | 20 | M | 0 | A09 | 87,11 | 39,32 |
| 12 | 20 | M | 0 | A10 | 93,87 | 44,33 |
| 12 | 20 | M | 0 | A11 | 131,91 | 50,07 |
| 12 | 20 | M | 0 | A12 | 134,92 | 120,66 |
| 12 | 20 | M | 0 | A13 | 80,15 | 121,03 |
| 12 | 20 | M | 0 | A14 | 89,24 | 115,28 |
| 12 | 20 | M | 0 | A15 | 94,55 | 114,48 |
| 12 | 20 | M | 0 | A16 | 80,37 | 103,07 |
| 13 | 20 | M | 0 | A01 | 24,99 | 69,84 |
| 13 | 20 | M | 0 | A02 | 15,88 | 40,87 |
| 13 | 20 | M | 0 | A03 | 46,29 | 53,11 |
| 13 | 20 | M | 0 | A04 | 51,71 | 51,31 |
| 13 | 20 | M | 0 | A07 | 82,81 | 49,35 |
| 13 | 20 | M | 0 | A08 | 67,18 | 20,46 |
| 13 | 20 | M | 0 | A10 | 94,67 | 43,85 |
| 13 | 20 | M | 0 | A11 | 132,07 | 49,59 |
| 13 | 20 | M | 0 | A12 | 135,42 | 120,65 |
| 13 | 20 | M | 0 | A13 | 80,91 | 121,2 |
| 13 | 20 | M | 0 | A14 | 89,81 | 114,81 |

| 13 | 20 | M | 0 | A15 | 95,3 | 114,19 |
|---|---|---|---|---|---|---|
| 13 | 20 | M | 0 | A16 | 80,98 | 102,58 |
| 14 | 19 | M | 0 | A01 | 23,99 | 70,08 |
| 14 | 19 | M | 0 | A02 | 15,98 | 40,74 |
| 14 | 19 | M | 0 | A03 | 46,09 | 53,72 |
| 14 | 19 | M | 0 | A04 | 51,14 | 51,29 |
| 14 | 19 | M | 0 | A06 | 61,81 | 56,87 |
| 14 | 19 | M | 0 | A07 | 80,16 | 50,22 |
| 14 | 19 | M | 0 | A08 | 66,76 | 20,97 |
| 14 | 19 | M | 0 | A10 | 93,5 | 44,02 |
| 14 | 19 | M | 0 | A11 | 131,64 | 50,1 |
| 14 | 19 | M | 0 | A12 | 134,6 | 120,1 |
| 14 | 19 | M | 0 | A13 | 79,84 | 121,07 |
| 14 | 19 | M | 0 | A14 | 88,86 | 115,23 |
| 14 | 19 | M | 0 | A15 | 94,62 | 114,5 |
| 14 | 19 | M | 0 | A16 | 80,44 | 103,17 |
| 15 | 18 | M | 0 | A01 | 23,3 | 69,92 |
| 15 | 18 | M | 0 | A02 | 17,56 | 39,89 |
| 15 | 18 | M | 0 | A03 | 45,97 | 53,54 |
| 15 | 18 | M | 0 | A04 | 51,64 | 51,53 |
| 15 | 18 | M | 0 | A05 | 50,47 | 60,29 |
| 15 | 18 | M | 0 | A06 | 61,42 | 57,03 |
| 15 | 18 | M | 0 | A07 | 81,61 | 49,9 |
| 15 | 18 | M | 0 | A08 | 68,72 | 20,25 |
| 15 | 18 | M | 0 | A10 | 93,64 | 43,92 |
| 15 | 18 | M | 0 | A11 | 132,02 | 50,85 |
| 15 | 18 | M | 0 | A12 | 134,97 | 120,78 |
| 15 | 18 | M | 0 | A13 | 80,13 | 120,73 |
| 15 | 18 | M | 0 | A14 | 88,96 | 115,21 |
| 15 | 18 | M | 0 | A15 | 94,33 | 114,35 |
| 16 | 18 | M | 0 | A01 | 26,24 | 69,63 |
| 16 | 18 | M | 0 | A02 | 18,01 | 39,77 |
| 16 | 18 | M | 0 | A03 | 46 | 53,25 |
| 16 | 18 | M | 0 | A04 | 51,33 | 51,14 |
| 16 | 18 | M | 0 | A05 | 50,54 | 60,23 |
| 16 | 18 | M | 0 | A06 | 62,22 | 56,62 |
| 16 | 18 | M | 0 | A07 | 80,49 | 49,96 |
| 16 | 18 | M | 0 | A08 | 68,65 | 20,19 |
| 16 | 18 | M | 0 | A09 | 87,23 | 39,46 |
| 16 | 18 | M | 0 | A10 | 93,58 | 43,93 |
| 16 | 18 | M | 0 | A11 | 131,85 | 49,51 |
| 16 | 18 | M | 0 | A12 | 135,39 | 120,15 |
| 16 | 18 | M | 0 | A13 | 80,44 | 120,65 |
| 16 | 18 | M | 0 | A14 | 89,28 | 114,96 |
| 16 | 18 | M | 0 | A15 | 95,09 | 114,16 |
| 16 | 18 | M | 0 | A16 | 80,69 | 102,92 |
| 17 | 18 | F | 0 | A10 | 94,1 | 44,26 |
| 17 | 18 | F | 0 | A15 | 94,89 | 114,58 |
| 17 | 18 | F | 0 | A21 | 81,4 | 43,44 |
| 17 | 18 | F | 0 | A22 | 70,35 | 26,08 |
| 17 | 18 | F | 0 | A24 | 118,11 | 44,21 |
| 17 | 18 | F | 0 | A25 | 120,56 | 115 |
| 17 | 18 | F | 0 | A28 | 100,59 | 128,3 |
| 17 | 18 | F | 0 | A29 | 87,41 | 121,1 |
| 17 | 18 | F | 0 | A30 | 124,06 | 124,46 |
| 17 | 18 | F | 0 | A31 | 70,08 | 44,67 |
| 17 | 18 | F | 0 | A32 | 16,67 | 65,95 |
| 17 | 18 | F | 0 | A33 | 77,35 | 23,48 |
| 17 | 18 | F | 0 | A34 | 48,85 | 52,36 |
| 17 | 18 | F | 0 | A35 | 64,52 | 80,64 |
| 17 | 18 | F | 0 | A36 | 70,88 | 80,86 |
| 17 | 18 | F | 0 | A36 | 59,22 | 56,62 |
| 17 | 18 | F | 0 | A37 | 93,61 | 71,75 |
| 18 | 18 | F | 0 | A01 | 24,31 | 69,96 |
| 18 | 18 | F | 0 | A02 | 15,28 | 41,13 |
| 18 | 18 | F | 0 | A03 | 46,29 | 53,49 |
| 18 | 18 | F | 0 | A04 | 51,5 | 51,46 |
| 18 | 18 | F | 0 | A07 | 79,72 | 50,27 |
| 18 | 18 | F | 0 | A08 | 67,26 | 20,74 |
| 18 | 18 | F | 0 | A09 | 87,17 | 39,41 |
| 18 | 18 | F | 0 | A10 | 94,19 | 44 |
| 18 | 18 | F | 0 | A11 | 132,01 | 49,53 |
| 18 | 18 | F | 0 | A12 | 135,45 | 120,44 |
| 18 | 18 | F | 0 | A13 | 80,42 | 120,58 |
| 18 | 18 | F | 0 | A14 | 89,27 | 115,08 |

| 18 | 18 | F | 0 | A15 | 94,84 | 114,15 |
|---|---|---|---|---|---|---|
| 18 | 18 | F | 0 | A16 | 80,74 | 102,69 |
| 19 | 18 | M | 0 | A01 | 25,13 | 69,89 |
| 19 | 18 | M | 0 | A02 | 17,22 | 40,1 |
| 19 | 18 | M | 0 | A03 | 46,24 | 53,75 |
| 19 | 18 | M | 0 | A04 | 51,31 | 51,13 |
| 19 | 18 | M | 0 | A06 | 61,79 | 56,96 |
| 19 | 18 | M | 0 | A07 | 79,8 | 50,2 |
| 19 | 18 | M | 0 | A08 | 67,12 | 20,7 |
| 19 | 18 | M | 0 | A10 | 93,85 | 44,17 |
| 19 | 18 | M | 0 | A11 | 131,97 | 49,53 |
| 19 | 18 | M | 0 | A12 | 135,18 | 120,75 |
| 19 | 18 | M | 0 | A13 | 80,32 | 120,88 |
| 19 | 18 | M | 0 | A14 | 89,46 | 115,31 |
| 19 | 18 | M | 0 | A15 | 94,64 | 114,34 |
| 20 | 18 | F | 0 | A01 | 25,36 | 69,68 |
| 20 | 18 | F | 0 | A02 | 16,13 | 40,7 |
| 20 | 18 | F | 0 | A03 | 46,23 | 53,31 |
| 20 | 18 | F | 0 | A04 | 51,69 | 51,09 |
| 20 | 18 | F | 0 | A06 | 61,26 | 56,69 |
| 20 | 18 | F | 0 | A07 | 79,96 | 49,91 |
| 20 | 18 | F | 0 | A08 | 68,85 | 19,94 |
| 20 | 18 | F | 0 | A10 | 94,19 | 43,88 |
| 20 | 18 | F | 0 | A11 | 131,99 | 49,7 |
| 20 | 18 | F | 0 | A12 | 135,34 | 121,48 |
| 20 | 18 | F | 0 | A13 | 80,41 | 120,42 |
| 20 | 18 | F | 0 | A14 | 89,49 | 115,12 |
| 20 | 18 | F | 0 | A15 | 94,89 | 114,16 |
| 21 | 18 | F | 0 | A01 | 24,14 | 70,08 |
| 21 | 18 | F | 0 | A02 | 15,16 | 41,06 |
| 21 | 18 | F | 0 | A03 | 45,88 | 53,34 |
| 21 | 18 | F | 0 | A04 | 50,89 | 51,49 |
| 21 | 18 | F | 0 | A05 | 50,23 | 60,31 |
| 21 | 18 | F | 0 | A06 | 61,27 | 57,1 |
| 21 | 18 | F | 0 | A07 | 79,92 | 50,44 |
| 21 | 18 | F | 0 | A08 | 67,77 | 20,47 |
| 21 | 18 | F | 0 | A09 | 86,82 | 39,72 |
| 21 | 18 | F | 0 | A10 | 94,17 | 44,29 |
| 21 | 18 | F | 0 | A11 | 132,06 | 51,73 |
| 21 | 18 | F | 0 | A12 | 134,7 | 121,63 |
| 21 | 18 | F | 0 | A13 | 79,68 | 121,63 |
| 21 | 18 | F | 0 | A14 | 89,18 | 115,48 |
| 21 | 18 | F | 0 | A15 | 94,4 | 114,54 |
| 21 | 18 | F | 0 | A16 | 80,21 | 103,07 |
| 22 | 18 | F | 0 | A01 | 24,87 | 69,87 |
| 22 | 18 | F | 0 | A02 | 15,91 | 40,91 |
| 22 | 18 | F | 0 | A03 | 46,49 | 53,13 |
| 22 | 18 | F | 0 | A04 | 51,81 | 51,36 |
| 22 | 18 | F | 0 | A07 | 85,48 | 48 |
| 22 | 18 | F | 0 | A08 | 67,85 | 20,28 |
| 22 | 18 | F | 0 | A10 | 94,26 | 43,83 |
| 22 | 18 | F | 0 | A11 | 132,5 | 50,05 |
| 22 | 18 | F | 0 | A12 | 135,57 | 120,59 |
| 22 | 18 | F | 0 | A13 | 80,65 | 119,59 |
| 22 | 18 | F | 0 | A14 | 89,89 | 114,92 |
| 22 | 18 | F | 0 | A14 | 89,89 | 114,92 |
| 22 | 18 | F | 0 | A15 | 95,02 | 113,97 |
| 22 | 18 | F | 0 | A35 | 68,12 | 84,88 |
| 22 | 18 | F | 0 | A36 | 75,14 | 85,7 |
| 23 | 18 | M | 0 | A03 | 46,13 | 53,47 |
| 23 | 18 | M | 0 | A04 | 50,99 | 51,42 |
| 23 | 18 | M | 0 | A10 | 94,08 | 44,49 |
| 23 | 18 | M | 0 | A14 | 89,04 | 115,59 |
| 23 | 18 | M | 0 | A14 | 89,04 | 115,59 |
| 23 | 18 | M | 0 | A15 | 94,39 | 114,21 |
| 24 | 18 | M | 0 | A01 | 24,56 | 69,94 |
| 24 | 18 | M | 0 | A02 | 15,43 | 40,89 |
| 24 | 18 | M | 0 | A03 | 45,99 | 53,61 |
| 24 | 18 | M | 0 | A04 | 50,91 | 51,42 |
| 24 | 18 | M | 0 | A05 | 50,21 | 60,37 |
| 24 | 18 | M | 0 | A06 | 62,07 | 57,12 |
| 24 | 18 | M | 0 | A07 | 80,42 | 50,19 |
| 24 | 18 | M | 0 | A08 | 67,69 | 20,62 |
| 24 | 18 | M | 0 | A09 | 86,75 | 40,1 |
| 24 | 18 | M | 0 | A10 | 93,69 | 44,75 |

| 24 | 18 | M | 0 | A11 | 131,53 | 49,91 |
|---|---|---|---|---|---|---|
| 24 | 18 | M | 0 | A12 | 134,87 | 120,45 |
| 24 | 18 | M | 0 | A13 | 79,72 | 120,57 |
| 24 | 18 | M | 0 | A14 | 88,59 | 115,52 |
| 24 | 18 | M | 0 | A15 | 94,36 | 114,68 |
| 25 | 18 | M | 0 | A01 | 24,53 | 69,94 |
| 25 | 18 | M | 0 | A02 | 15,04 | 41,35 |
| 25 | 18 | M | 0 | A03 | 46,06 | 53,66 |
| 25 | 18 | M | 0 | A04 | 51,38 | 51,09 |
| 25 | 18 | M | 0 | A05 | 50,49 | 60,1 |
| 25 | 18 | M | 0 | A06 | 61,77 | 56,88 |
| 25 | 18 | M | 0 | A07 | 79,9 | 50,12 |
| 25 | 18 | M | 0 | A08 | 68,67 | 20,12 |
| 25 | 18 | M | 0 | A10 | 94,06 | 44,2 |
| 25 | 18 | M | 0 | A11 | 132,07 | 50,12 |
| 25 | 18 | M | 0 | A12 | 135,17 | 119,33 |
| 25 | 18 | M | 0 | A13 | 80,33 | 120,35 |
| 25 | 18 | M | 0 | A14 | 89,71 | 115,09 |
| 25 | 18 | M | 0 | A15 | 94,78 | 114,09 |
| 25 | 18 | M | 0 | A16 | 80,84 | 103,45 |
| 25 | 18 | M | 0 | A21 | 81,13 | 43,4 |
| 25 | 18 | M | 0 | A22 | 70,78 | 25,62 |
| 25 | 18 | M | 0 | A29 | 87,72 | 121,51 |
| 25 | 18 | M | 0 | A30 | 126,74 | 120,95 |
| 26 | 18 | M | 0 | A01 | 26,24 | 69,6 |
| 26 | 18 | M | 0 | A02 | 14,2 | 42,16 |
| 26 | 18 | M | 0 | A03 | 45,94 | 53,66 |
| 26 | 18 | M | 0 | A04 | 51,14 | 51,65 |
| 26 | 18 | M | 0 | A05 | 50,34 | 60,65 |
| 26 | 18 | M | 0 | A06 | 62,1 | 57,05 |
| 26 | 18 | M | 0 | A07 | 82,48 | 49,97 |
| 26 | 18 | M | 0 | A08 | 68,06 | 20,68 |
| 26 | 18 | M | 0 | A09 | 86,87 | 39,7 |
| 26 | 18 | M | 0 | A10 | 94,14 | 44,55 |
| 26 | 18 | M | 0 | A11 | 131,76 | 50,2 |
| 26 | 18 | M | 0 | A12 | 134,85 | 121,31 |
| 26 | 18 | M | 0 | A13 | 79,85 | 120,29 |
| 26 | 18 | M | 0 | A14 | 88,8 | 115,52 |
| 26 | 18 | M | 0 | A15 | 94,49 | 114,71 |
| 26 | 18 | M | 0 | A16 | 80,26 | 103,33 |
| 27 | 18 | M | 0 | A01 | 25,13 | 69,84 |
| 27 | 18 | M | 0 | A02 | 14,88 | 41,6 |
| 27 | 18 | M | 0 | A03 | 46,42 | 53,79 |
| 27 | 18 | M | 0 | A04 | 51,65 | 51,08 |
| 27 | 18 | M | 0 | A05 | 50,68 | 60,17 |
| 27 | 18 | M | 0 | A06 | 62,29 | 56,88 |
| 27 | 18 | M | 0 | A07 | 79,52 | 50,11 |
| 27 | 18 | M | 0 | A08 | 65,29 | 21,49 |
| 27 | 18 | M | 0 | A09 | 87,94 | 39,28 |
| 27 | 18 | M | 0 | A10 | 93,74 | 43,83 |
| 27 | 18 | M | 0 | A11 | 131,85 | 49,1 |
| 27 | 18 | M | 0 | A12 | 135,65 | 119,18 |
| 27 | 18 | M | 0 | A13 | 80,71 | 119,75 |
| 27 | 18 | M | 0 | A14 | 89,68 | 114,94 |
| 27 | 18 | M | 0 | A15 | 95,06 | 113,8 |
| 28 | 18 | F | 0 | A01 | 25,65 | 69,9 |
| 28 | 18 | F | 0 | A02 | 15,31 | 41,31 |
| 28 | 18 | F | 0 | A03 | 46,33 | 53,48 |
| 28 | 18 | F | 0 | A04 | 51,54 | 51,24 |
| 28 | 18 | F | 0 | A07 | 79,35 | 50,28 |
| 28 | 18 | F | 0 | A08 | 67,82 | 20,43 |
| 28 | 18 | F | 0 | A10 | 94,15 | 44,22 |
| 28 | 18 | F | 0 | A11 | 131,85 | 49,25 |
| 28 | 18 | F | 0 | A12 | 135,51 | 120,07 |
| 28 | 18 | F | 0 | A13 | 80,57 | 120,52 |
| 28 | 18 | F | 0 | A14 | 89,53 | 115,12 |
| 28 | 18 | F | 0 | A15 | 95,09 | 114,04 |
| 29 | 18 | M | 0 | A01 | 24,56 | 69,89 |
| 29 | 18 | M | 0 | A02 | 16,42 | 40,46 |
| 29 | 18 | M | 0 | A03 | 46,01 | 53,46 |
| 29 | 18 | M | 0 | A04 | 51,37 | 51,32 |
| 29 | 18 | M | 0 | A07 | 79,48 | 50,48 |
| 29 | 18 | M | 0 | A08 | 65,81 | 21,65 |
| 29 | 18 | M | 0 | A10 | 93,32 | 44,09 |
| 29 | 18 | M | 0 | A11 | 131,64 | 49,57 |
| 29 | 18 | M | 0 | A12 | 134,9 | 121,47 |
| 29 | 18 | M | 0 | A13 | 80,07 | 120,94 |
| 29 | 18 | M | 0 | A14 | 89,34 | 115,51 |
| 29 | 18 | M | 0 | A15 | 94,58 | 114,27 |
| 30 | 18 | M | 0 | A01 | 27,18 | 69,19 |
| 30 | 18 | M | 0 | A02 | 17,29 | 40,37 |
| 30 | 18 | M | 0 | A04 | 51,52 | 51,09 |
| 30 | 18 | M | 0 | A06 | 62,92 | 56,53 |
| 30 | 18 | M | 0 | A07 | 83,07 | 49,46 |
| 30 | 18 | M | 0 | A08 | 67,83 | 20,69 |
| 30 | 18 | M | 0 | A10 | 94,12 | 44,33 |
| 30 | 18 | M | 0 | A11 | 131,95 | 49,87 |
| 30 | 18 | M | 0 | A14 | 89,49 | 115,38 |
| 30 | 18 | M | 0 | A14 | 89,49 | 115,38 |
| 30 | 18 | M | 0 | A15 | 95,41 | 114,09 |
| 31 | 18 | M | 0 | A01 | 26,51 | 69,44 |
| 31 | 18 | M | 0 | A02 | 16,47 | 40,72 |
| 31 | 18 | M | 0 | A03 | 46,38 | 53,38 |
| 31 | 18 | M | 0 | A04 | 51,74 | 51,14 |
| 31 | 18 | M | 0 | A07 | 80,29 | 50,07 |
| 31 | 18 | M | 0 | A08 | 68,11 | 20,28 |
| 31 | 18 | M | 0 | A10 | 93,93 | 44,13 |
| 31 | 18 | M | 0 | A11 | 132,44 | 49,56 |
| 31 | 18 | M | 0 | A12 | 135,75 | 119,89 |
| 31 | 18 | M | 0 | A13 | 80,7 | 119,89 |
| 31 | 18 | M | 0 | A14 | 89,66 | 115,05 |
| 31 | 18 | M | 0 | A15 | 95,01 | 113,89 |
| 32 | 17 | M | 0 | A01 | 25,06 | 69,86 |
| 32 | 17 | M | 0 | A02 | 14,73 | 42,08 |
| 32 | 17 | M | 0 | A03 | 46,49 | 53,42 |
| 32 | 17 | M | 0 | A04 | 51,72 | 51,13 |
| 32 | 17 | M | 0 | A07 | 79,77 | 50,24 |
| 32 | 17 | M | 0 | A08 | 67,65 | 20,52 |
| 32 | 17 | M | 0 | A09 | 87,67 | 39,38 |
| 32 | 17 | M | 0 | A10 | 94,25 | 44,1 |
| 32 | 17 | M | 0 | A11 | 132,71 | 50,1 |
| 32 | 17 | M | 0 | A12 | 135,75 | 120,13 |
| 32 | 17 | M | 0 | A13 | 80,58 | 120,13 |
| 32 | 17 | M | 0 | A14 | 89,69 | 114,86 |
| 32 | 17 | M | 0 | A15 | 95,08 | 113,62 |
| 32 | 17 | M | 0 | A16 | 81,15 | 102,96 |
| 33 | 17 | F | 0 | A01 | 23,72 | 70,01 |
| 33 | 17 | F | 0 | A02 | 17,82 | 39,79 |
| 33 | 17 | F | 0 | A03 | 46,52 | 53,33 |
| 33 | 17 | F | 0 | A04 | 51,22 | 51,26 |
| 33 | 17 | F | 0 | A07 | 79,35 | 50,18 |
| 33 | 17 | F | 0 | A08 | 66,88 | 20,95 |
| 33 | 17 | F | 0 | A10 | 93,93 | 43,96 |
| 33 | 17 | F | 0 | A11 | 131,97 | 50,32 |
| 33 | 17 | F | 0 | A12 | 135,04 | 119,85 |
| 33 | 17 | F | 0 | A13 | 80,36 | 119,75 |
| 33 | 17 | F | 0 | A14 | 89,23 | 115,37 |
| 33 | 17 | F | 0 | A15 | 94,69 | 114,2 |
| 33 | 17 | F | 0 | A21 | 77,02 | 43,96 |
| 34 | 17 | F | 0 | A01 | 24,86 | 69,81 |
| 34 | 17 | F | 0 | A02 | 16,57 | 40,27 |
| 34 | 17 | F | 0 | A03 | 46,39 | 53,38 |
| 34 | 17 | F | 0 | A04 | 51,2 | 51,03 |
| 34 | 17 | F | 0 | A06 | 62,1 | 56,92 |
| 34 | 17 | F | 0 | A07 | 80,95 | 49,95 |
| 34 | 17 | F | 0 | A08 | 65,75 | 21,16 |
| 34 | 17 | F | 0 | A10 | 93,72 | 44,15 |
| 34 | 17 | F | 0 | A11 | 131,79 | 49,14 |
| 34 | 17 | F | 0 | A12 | 135,37 | 120,12 |
| 34 | 17 | F | 0 | A13 | 80,66 | 120,21 |
| 34 | 17 | F | 0 | A14 | 89,64 | 114,91 |
| 34 | 17 | F | 0 | A15 | 94,68 | 113,97 |
| 35 | 17 | M | 0 | A01 | 23,38 | 69,93 |
| 35 | 17 | M | 0 | A02 | 16,52 | 40,47 |
| 35 | 17 | M | 0 | A03 | 46 | 53,29 |
| 35 | 17 | M | 0 | A04 | 51,53 | 51,21 |
| 35 | 17 | M | 0 | A06 | 61,57 | 56,8 |
| 35 | 17 | M | 0 | A10 | 94,05 | 44,47 |
| 35 | 17 | M | 0 | A11 | 131,52 | 49,1 |
| 35 | 17 | M | 0 | A12 | 135,69 | 119,97 |

| 35 | 17 | M | 0 | A13 | 80,1 | 119,41 |
|---|---|---|---|---|---|---|
| 35 | 17 | M | 0 | A14 | 89,51 | 114,87 |
| 35 | 17 | M | 0 | A15 | 95,07 | 113,63 |
| 35 | 17 | M | 0 | A16 | 80,44 | 103,54 |
| 36 | 16 | F | 0 | A01 | 23,56 | 70,02 |
| 36 | 16 | F | 0 | A03 | 46,2 | 53,65 |
| 36 | 16 | F | 0 | A04 | 52,13 | 51,15 |
| 36 | 16 | F | 0 | A06 | 62,28 | 56,77 |
| 36 | 16 | F | 0 | A07 | 82,58 | 49,59 |
| 36 | 16 | F | 0 | A08 | 66,65 | 21,35 |
| 36 | 16 | F | 0 | A09 | 87,42 | 40,07 |
| 36 | 16 | F | 0 | A10 | 93,67 | 43,97 |
| 36 | 16 | F | 0 | A11 | 132,06 | 50,62 |
| 36 | 16 | F | 0 | A12 | 135,38 | 120,59 |
| 36 | 16 | F | 0 | A13 | 80,93 | 120,06 |
| 36 | 16 | F | 0 | A14 | 89,16 | 115,34 |
| 36 | 16 | F | 0 | A15 | 95,13 | 114,25 |
| 36 | 16 | F | 0 | A17 | 9,66 | 49,43 |
| 37 | 16 | M | 0 | A01 | 22,88 | 69,77 |
| 37 | 16 | M | 0 | A02 | 19,08 | 39,27 |
| 37 | 16 | M | 0 | A03 | 46,33 | 53,67 |
| 37 | 16 | M | 0 | A04 | 51,7 | 51,18 |
| 37 | 16 | M | 0 | A08 | 66,5 | 21,08 |
| 37 | 16 | M | 0 | A10 | 94,4 | 44,11 |
| 37 | 16 | M | 0 | A11 | 131,73 | 49,21 |
| 37 | 16 | M | 0 | A12 | 135,68 | 120,61 |
| 37 | 16 | M | 0 | A13 | 80,35 | 120,12 |
| 37 | 16 | M | 0 | A14 | 89,08 | 114,85 |
| 37 | 16 | M | 0 | A15 | 95,01 | 113,87 |
| 37 | 16 | M | 0 | A17 | 9,52 | 50,66 |
| 38 | 16 | M | 0 | A01 | 23,61 | 69,67 |
| 38 | 16 | M | 0 | A02 | 12,71 | 43,67 |
| 38 | 16 | M | 0 | A03 | 46,29 | 53,33 |
| 38 | 16 | M | 0 | A04 | 51,3 | 51 |
| 38 | 16 | M | 0 | A05 | 50,85 | 60,56 |
| 38 | 16 | M | 0 | A07 | 79,99 | 50,22 |
| 38 | 16 | M | 0 | A08 | 65,88 | 21,88 |
| 38 | 16 | M | 0 | A09 | 87,45 | 39,69 |
| 38 | 16 | M | 0 | A10 | 93,81 | 44,92 |
| 38 | 16 | M | 0 | A11 | 132,84 | 52,03 |
| 38 | 16 | M | 0 | A12 | 135,46 | 120,15 |
| 38 | 16 | M | 0 | A13 | 80,32 | 120,59 |
| 38 | 16 | M | 0 | A14 | 89,33 | 115,32 |
| 38 | 16 | M | 0 | A15 | 94,6 | 114,34 |
| 38 | 16 | M | 0 | A21 | 77,98 | 44,43 |
| 38 | 16 | M | 0 | A22 | 71,74 | 25,74 |
| 38 | 16 | M | 0 | A25 | 111,63 | 114,12 |
| 38 | 16 | M | 0 | A29 | 89,33 | 115,32 |
| 38 | 16 | M | 0 | A37 | 94,27 | 91,29 |
| 39 | 16 | M | 0 | A03 | 46,29 | 53,5 |
| 39 | 16 | M | 0 | A04 | 51,86 | 51,84 |
| 39 | 16 | M | 0 | A07 | 79,64 | 50,3 |
| 39 | 16 | M | 0 | A08 | 67,06 | 20,89 |
| 39 | 16 | M | 0 | A10 | 94 | 44,01 |
| 39 | 16 | M | 0 | A13 | 80,14 | 120,8 |
| 39 | 16 | M | 0 | A14 | 89,69 | 115,13 |
| 39 | 16 | M | 0 | A14 | 89,69 | 115,13 |
| 39 | 16 | M | 0 | A14 | 89,69 | 115,13 |
| 39 | 16 | M | 0 | A15 | 94,89 | 113,86 |
| 39 | 16 | M | 0 | A16 | 80,67 | 102,68 |
| 40 | 16 | F | 0 | A01 | 24,7 | 69,64 |
| 40 | 16 | F | 0 | A02 | 12,05 | 44,65 |
| 40 | 16 | F | 0 | A03 | 46,41 | 53,12 |
| 40 | 16 | F | 0 | A04 | 51,88 | 50,97 |
| 40 | 16 | F | 0 | A05 | 50,44 | 60,16 |
| 40 | 16 | F | 0 | A06 | 62,08 | 56,86 |
| 40 | 16 | F | 0 | A07 | 79,48 | 50,11 |
| 40 | 16 | F | 0 | A08 | 67,84 | 20,51 |
| 40 | 16 | F | 0 | A10 | 93,71 | 43,64 |
| 40 | 16 | F | 0 | A11 | 131,96 | 48,96 |
| 40 | 16 | F | 0 | A12 | 135,24 | 119,73 |
| 40 | 16 | F | 0 | A13 | 80,6 | 119,43 |
| 40 | 16 | F | 0 | A14 | 89,26 | 114,96 |
| 40 | 16 | F | 0 | A15 | 95,23 | 113,96 |
| 40 | 16 | F | 0 | A16 | 80,9 | 103,22 |

| 41 | 16 | M | 0 | A01 | 24,2 | 69,78 |
|---|---|---|---|---|---|---|
| 41 | 16 | M | 0 | A02 | 13,02 | 42,92 |
| 41 | 16 | M | 0 | A03 | 46,03 | 53,45 |
| 41 | 16 | M | 0 | A04 | 50,98 | 51,4 |
| 41 | 16 | M | 0 | A05 | 50,76 | 60,43 |
| 41 | 16 | M | 0 | A07 | 79,69 | 50,44 |
| 41 | 16 | M | 0 | A09 | 87,43 | 40,02 |
| 41 | 16 | M | 0 | A10 | 93,78 | 43,99 |
| 41 | 16 | M | 0 | A11 | 132,22 | 50,21 |
| 41 | 16 | M | 0 | A12 | 135,34 | 119,94 |
| 41 | 16 | M | 0 | A14 | 89,28 | 115,28 |
| 41 | 16 | M | 0 | A15 | 94,79 | 114,32 |
| 42 | 16 | F | 0 | A01 | 24,42 | 69,85 |
| 42 | 16 | F | 0 | A02 | 10,58 | 46,73 |
| 42 | 16 | F | 0 | A07 | 79,83 | 50,06 |
| 42 | 16 | F | 0 | A08 | 67,3 | 20,42 |
| 42 | 16 | F | 0 | A10 | 93,72 | 43,76 |
| 42 | 16 | F | 0 | A11 | 131,85 | 48,91 |
| 42 | 16 | F | 0 | A12 | 135,67 | 120,05 |
| 42 | 16 | F | 0 | A13 | 80,62 | 120,94 |
| 42 | 16 | F | 0 | A34 | 48,18 | 52,32 |
| 42 | 16 | F | 0 | A38 | 92,56 | 114,44 |
| 43 | 16 | M | 0 | A01 | 23,79 | 69,71 |
| 43 | 16 | M | 0 | A02 | 14,52 | 41,68 |
| 43 | 16 | M | 0 | A03 | 46,89 | 53,43 |
| 43 | 16 | M | 0 | A04 | 51,63 | 51,17 |
| 43 | 16 | M | 0 | A07 | 83,54 | 49,37 |
| 43 | 16 | M | 0 | A08 | 66,99 | 20,78 |
| 43 | 16 | M | 0 | A09 | 87,88 | 39,48 |
| 43 | 16 | M | 0 | A10 | 94,52 | 43,81 |
| 43 | 16 | M | 0 | A11 | 133,04 | 49,78 |
| 43 | 16 | M | 0 | A12 | 135,53 | 118,8 |
| 43 | 16 | M | 0 | A13 | 81,01 | 119,97 |
| 43 | 16 | M | 0 | A14 | 89,89 | 114,87 |
| 43 | 16 | M | 0 | A15 | 95,5 | 113,45 |
| 43 | 16 | M | 0 | A16 | 81,35 | 103,41 |
| 44 | 16 | M | 0 | A03 | 46,4 | 53,58 |
| 44 | 16 | M | 0 | A04 | 51,41 | 51,49 |
| 44 | 16 | M | 0 | A07 | 79,71 | 50,36 |
| 44 | 16 | M | 0 | A08 | 68,07 | 20,91 |
| 44 | 16 | M | 0 | A10 | 93,96 | 44,49 |
| 44 | 16 | M | 0 | A11 | 132,47 | 51,75 |
| 44 | 16 | M | 0 | A12 | 135,02 | 121,37 |
| 44 | 16 | M | 0 | A13 | 80,19 | 120,93 |
| 44 | 16 | M | 0 | A14 | 88,96 | 115,65 |
| 44 | 16 | M | 0 | A15 | 95,02 | 114,41 |
| 45 | 16 | M | 0 | A01 | 24,23 | 69,52 |
| 45 | 16 | M | 0 | A02 | 13,57 | 42,51 |
| 45 | 16 | M | 0 | A03 | 46,45 | 53,16 |
| 45 | 16 | M | 0 | A04 | 51,65 | 51,22 |
| 45 | 16 | M | 0 | A06 | 62,47 | 56,62 |
| 45 | 16 | M | 0 | A07 | 83,8 | 48,62 |
| 45 | 16 | M | 0 | A08 | 66,91 | 20,49 |
| 45 | 16 | M | 0 | A10 | 93,87 | 44,29 |
| 45 | 16 | M | 0 | A11 | 132,41 | 49,81 |
| 45 | 16 | M | 0 | A12 | 135,59 | 121,02 |
| 45 | 16 | M | 0 | A13 | 81,04 | 120,45 |
| 45 | 16 | M | 0 | A14 | 90 | 114,63 |
| 45 | 16 | M | 0 | A15 | 95,44 | 113,68 |
| 45 | 16 | M | 0 | A21 | 80,77 | 43,64 |
| 45 | 16 | M | 0 | A22 | 70,05 | 25,8 |
| 45 | 16 | M | 0 | A29 | 88,38 | 121,3 |
| 45 | 16 | M | 0 | A30 | 127,68 | 121,49 |
| 46 | 16 | M | 0 | A03 | 46,78 | 53,55 |
| 46 | 16 | M | 0 | A04 | 51,82 | 50,95 |
| 46 | 16 | M | 0 | A08 | 65,78 | 21,44 |
| 46 | 16 | M | 0 | A09 | 87,72 | 39,58 |
| 46 | 16 | M | 0 | A10 | 93,91 | 44,24 |
| 46 | 16 | M | 0 | A12 | 135,85 | 120,42 |
| 46 | 16 | M | 0 | A13 | 80,71 | 120,1 |
| 46 | 16 | M | 0 | A14 | 89,95 | 115,13 |
| 46 | 16 | M | 0 | A15 | 95,08 | 113,71 |
| 46 | 16 | M | 0 | A16 | 81,18 | 103,13 |
| 47 | 16 | F | 0 | A03 | 46,34 | 53,14 |
| 47 | 16 | F | 0 | A04 | 51,39 | 51,1 |

| 47 | 16 | F | 0 | A07 | 79,3 | 50,01 |
|---|---|---|---|---|---|---|
| 47 | 16 | F | 0 | A08 | 65,47 | 21,17 |
| 47 | 16 | F | 0 | A10 | 93,74 | 44,12 |
| 47 | 16 | F | 0 | A11 | 131,27 | 48,81 |
| 47 | 16 | F | 0 | A12 | 135,68 | 119,75 |
| 47 | 16 | F | 0 | A13 | 80,49 | 120,28 |
| 47 | 16 | F | 0 | A14 | 89,57 | 114,58 |
| 47 | 16 | F | 0 | A15 | 95,13 | 113,79 |
| 48 | 16 | M | 0 | A01 | 23,54 | 69,89 |
| 48 | 16 | M | 0 | A03 | 46,21 | 53,79 |
| 48 | 16 | M | 0 | A04 | 51,42 | 51,24 |
| 48 | 16 | M | 0 | A05 | 50,47 | 60,25 |
| 48 | 16 | M | 0 | A06 | 61,72 | 56,98 |
| 48 | 16 | M | 0 | A07 | 81,54 | 49,95 |
| 48 | 16 | M | 0 | A09 | 87,42 | 39,85 |
| 48 | 16 | M | 0 | A10 | 93,57 | 44,24 |
| 48 | 16 | M | 0 | A12 | 135,13 | 120,73 |
| 48 | 16 | M | 0 | A13 | 89,27 | 115,28 |
| 48 | 16 | M | 0 | A14 | 94,78 | 114,45 |
| 49 | 15 | F | 0 | A01 | 25,16 | 69,79 |
| 49 | 15 | F | 0 | A02 | 12,16 | 44,07 |
| 49 | 15 | F | 0 | A08 | 62,68 | 22,53 |
| 49 | 15 | F | 0 | A10 | 93,98 | 44,42 |
| 49 | 15 | F | 0 | A11 | 132,6 | 53,95 |
| 49 | 15 | F | 0 | A12 | 135,26 | 121,84 |
| 49 | 15 | F | 0 | A13 | 80,26 | 119,91 |
| 49 | 15 | F | 0 | A21 | 81,37 | 43,2 |
| 49 | 15 | F | 0 | A22 | 70,71 | 25,84 |
| 49 | 15 | F | 0 | A29 | 87,91 | 121,28 |
| 49 | 15 | F | 0 | A30 | 126,97 | 121,03 |
| 50 | 15 | M | 0 | A01 | 24,12 | 70,08 |
| 50 | 15 | M | 0 | A04 | 51,76 | 51,32 |
| 50 | 15 | M | 0 | A08 | 65,94 | 21,14 |
| 50 | 15 | M | 0 | A09 | 87,17 | 39,4 |
| 50 | 15 | M | 0 | A10 | 94,02 | 44,06 |
| 50 | 15 | M | 0 | A11 | 131,61 | 48,71 |
| 50 | 15 | M | 0 | A12 | 135,4 | 120,09 |
| 50 | 15 | M | 0 | A14 | 89,63 | 114,82 |
| 50 | 15 | M | 0 | A15 | 94,99 | 113,89 |
| 51 | 15 | F | 0 | A01 | 26,9 | 69,37 |
| 51 | 15 | F | 0 | A02 | 18,35 | 39,6 |
| 51 | 15 | F | 0 | A03 | 46,45 | 53,37 |
| 51 | 15 | F | 0 | A04 | 51,59 | 51,26 |
| 51 | 15 | F | 0 | A05 | 50,35 | 60,36 |
| 51 | 15 | F | 0 | A06 | 62,61 | 56,65 |
| 51 | 15 | F | 0 | A07 | 79,4 | 50,46 |
| 51 | 15 | F | 0 | A08 | 65,65 | 21,62 |
| 51 | 15 | F | 0 | A09 | 87,53 | 39,59 |
| 51 | 15 | F | 0 | A10 | 94,07 | 43,95 |
| 51 | 15 | F | 0 | A11 | 132,12 | 50,5 |
| 51 | 15 | F | 0 | A12 | 135,16 | 120,32 |
| 51 | 15 | F | 0 | A13 | 80,42 | 119,38 |
| 51 | 15 | F | 0 | A14 | 89,7 | 115,18 |
| 51 | 15 | F | 0 | A15 | 95,06 | 113,89 |
| 51 | 15 | F | 0 | A16 | 80,63 | 103,13 |
| 51 | 15 | F | 0 | A39 | 95,51 | 117,9 |
| 51 | 15 | F | 0 | A40 | 120,8 | 118,75 |
| 52 | 15 | F | 0 | A01 | 25,65 | 69,86 |
| 52 | 15 | F | 0 | A02 | 18,75 | 39,43 |
| 52 | 15 | F | 0 | A03 | 46,38 | 53,51 |
| 52 | 15 | F | 0 | A04 | 51,74 | 51,24 |
| 52 | 15 | F | 0 | A05 | 50,56 | 60,41 |
| 52 | 15 | F | 0 | A06 | 62,19 | 56,78 |
| 52 | 15 | F | 0 | A07 | 78,01 | 50,88 |
| 52 | 15 | F | 0 | A08 | 65,68 | 21,73 |
| 52 | 15 | F | 0 | A09 | 87,84 | 39,77 |
| 52 | 15 | F | 0 | A10 | 93,63 | 44,95 |
| 52 | 15 | F | 0 | A11 | 132,13 | 50,38 |
| 52 | 15 | F | 0 | A12 | 135,84 | 120,46 |
| 52 | 15 | F | 0 | A13 | 80,28 | 119,31 |
| 52 | 15 | F | 0 | A14 | 89,26 | 114,86 |
| 52 | 15 | F | 0 | A15 | 94,96 | 113,92 |
| 52 | 15 | F | 0 | A16 | 80,59 | 103,08 |
| 53 | 15 | F | 0 | A01 | 24,58 | 69,78 |
| 53 | 15 | F | 0 | A03 | 46,63 | 53,23 |
| 53 | 15 | F | 0 | A04 | 51,36 | 50,96 |
| 53 | 15 | F | 0 | A05 | 50,6 | 60,32 |
| 53 | 15 | F | 0 | A06 | 61,3 | 56,63 |
| 53 | 15 | F | 0 | A07 | 79,84 | 50,01 |
| 53 | 15 | F | 0 | A08 | 65,99 | 20,91 |
| 53 | 15 | F | 0 | A10 | 94,54 | 43,7 |
| 53 | 15 | F | 0 | A11 | 131,94 | 49,5 |
| 53 | 15 | F | 0 | A12 | 135,68 | 121,41 |
| 53 | 15 | F | 0 | A13 | 80,5 | 120,51 |
| 53 | 15 | F | 0 | A14 | 89,64 | 115,08 |
| 53 | 15 | F | 0 | A15 | 94,83 | 113,84 |
| 53 | 15 | F | 0 | A17 | 10 | 47,56 |
| 53 | 15 | F | 0 | A21 | 81,17 | 42,96 |
| 53 | 15 | F | 0 | A22 | 69,18 | 26,31 |
| 53 | 15 | F | 0 | A29 | 87,91 | 120,92 |
| 53 | 15 | F | 0 | A30 | 127,44 | 121,58 |
| 53 | 15 | F | 0 | A33 | 71,72 | 20,27 |
| 53 | 15 | F | 0 | A41 | 86,47 | 46,14 |
| 54 | 15 | F | 0 | A01 | 24,73 | 69,92 |
| 54 | 15 | F | 0 | A03 | 46,79 | 53,28 |
| 54 | 15 | F | 0 | A04 | 51,35 | 51,43 |
| 54 | 15 | F | 0 | A05 | 50,35 | 60,53 |
| 54 | 15 | F | 0 | A06 | 62,31 | 56,83 |
| 54 | 15 | F | 0 | A07 | 79,96 | 50,15 |
| 54 | 15 | F | 0 | A08 | 68,57 | 20,14 |
| 54 | 15 | F | 0 | A10 | 94,07 | 44,6 |
| 54 | 15 | F | 0 | A11 | 132,24 | 48,96 |
| 54 | 15 | F | 0 | A12 | 135,58 | 122,31 |
| 54 | 15 | F | 0 | A13 | 81,07 | 120,19 |
| 54 | 15 | F | 0 | A14 | 90,01 | 115,01 |
| 54 | 15 | F | 0 | A15 | 95,39 | 113,76 |
| 54 | 15 | F | 0 | A17 | 12,35 | 44,03 |
| 54 | 15 | F | 0 | A21 | 81,24 | 43,61 |
| 54 | 15 | F | 0 | A22 | 70,57 | 26,11 |
| 54 | 15 | F | 0 | A29 | 88,09 | 120,58 |
| 54 | 15 | F | 0 | A30 | 127,41 | 122,4 |
| 54 | 15 | F | 0 | A41 | 84,8 | 48,58 |
| 54 | 15 | F | 0 | A42 | 65,63 | 21,53 |
| 55 | 15 | M | 0 | A01 | 24,95 | 69,91 |
| 55 | 15 | M | 0 | A02 | 16,23 | 40,58 |
| 55 | 15 | M | 0 | A03 | 46,65 | 53,3 |
| 55 | 15 | M | 0 | A04 | 51,59 | 50,99 |
| 55 | 15 | M | 0 | A07 | 79,59 | 50,07 |
| 55 | 15 | M | 0 | A08 | 65,6 | 21,56 |
| 55 | 15 | M | 0 | A10 | 94,5 | 43,68 |
| 55 | 15 | M | 0 | A11 | 132,09 | 49,29 |
| 55 | 15 | M | 0 | A12 | 135,59 | 121,99 |
| 55 | 15 | M | 0 | A13 | 80,8 | 121,05 |
| 55 | 15 | M | 0 | A14 | 89,71 | 114,59 |
| 55 | 15 | M | 0 | A15 | 95,11 | 113,8 |
| 55 | 15 | M | 0 | A18 | 66,53 | 39,61 |
| 55 | 15 | M | 0 | A21 | 79,68 | 43,96 |
| 55 | 15 | M | 0 | A22 | 71,81 | 25,17 |
| 55 | 15 | M | 0 | A23 | 82,46 | 28,04 |
| 55 | 15 | M | 0 | A29 | 87,99 | 121,34 |
| 55 | 15 | M | 0 | A30 | 127,39 | 122,06 |
| 56 | 15 | M | 0 | A01 | 26,06 | 69,55 |
| 56 | 15 | M | 0 | A02 | 17,94 | 39,87 |
| 56 | 15 | M | 0 | A04 | 51,64 | 51,06 |
| 56 | 15 | M | 0 | A05 | 50,2 | 60,58 |
| 56 | 15 | M | 0 | A06 | 62,95 | 56,6 |
| 56 | 15 | M | 0 | A07 | 83,68 | 49,07 |
| 56 | 15 | M | 0 | A08 | 66,94 | 20,82 |
| 56 | 15 | M | 0 | A09 | 87,58 | 39,46 |
| 56 | 15 | M | 0 | A10 | 94,04 | 44,3 |
| 56 | 15 | M | 0 | A11 | 132,45 | 50,64 |
| 56 | 15 | M | 0 | A12 | 135,59 | 119,61 |
| 56 | 15 | M | 0 | A13 | 80,62 | 120,04 |
| 56 | 15 | M | 0 | A14 | 89,27 | 114,9 |
| 56 | 15 | M | 0 | A15 | 94,83 | 114,12 |
| 56 | 15 | M | 0 | A16 | 80,94 | 103 |
| 57 | 15 | M | 0 | A01 | 27,35 | 69,01 |
| 57 | 15 | M | 0 | A02 | 17,13 | 39,94 |
| 57 | 15 | M | 0 | A03 | 46,32 | 52,95 |
| 57 | 15 | M | 0 | A04 | 51,71 | 51,09 |

| 57 | 15 | M | 0 | A07 | 80,43 | 49,97 |
|---|---|---|---|---|---|---|
| 57 | 15 | M | 0 | A08 | 66,26 | 21,05 |
| 57 | 15 | M | 0 | A10 | 94,12 | 44,66 |
| 57 | 15 | M | 0 | A11 | 132,57 | 50,08 |
| 57 | 15 | M | 0 | A12 | 136,03 | 119,71 |
| 57 | 15 | M | 0 | A14 | 89,92 | 114,79 |
| 57 | 15 | M | 0 | A15 | 95,34 | 113,95 |
| 58 | 15 | F | 0 | A01 | 26,71 | 69,24 |
| 58 | 15 | F | 0 | A02 | 18,3 | 39,35 |
| 58 | 15 | F | 0 | A03 | 46,21 | 53,19 |
| 58 | 15 | F | 0 | A04 | 51,75 | 50,81 |
| 58 | 15 | F | 0 | A06 | 61,98 | 56,44 |
| 58 | 15 | F | 0 | A07 | 79,67 | 49,66 |
| 58 | 15 | F | 0 | A08 | 65,34 | 21,17 |
| 58 | 15 | F | 0 | A10 | 94,17 | 43,44 |
| 58 | 15 | F | 0 | A11 | 132,4 | 49,33 |
| 58 | 15 | F | 0 | A12 | 135,74 | 119,71 |
| 58 | 15 | F | 0 | A13 | 80,8 | 119,08 |
| 58 | 15 | F | 0 | A14 | 89,8 | 114,63 |
| 58 | 15 | F | 0 | A15 | 95,2 | 113,57 |
| 58 | 15 | F | 0 | A16 | 80,9 | 103,21 |
| 59 | 15 | M | 0 | A01 | 25,48 | 69,86 |
| 59 | 15 | M | 0 | A02 | 15,55 | 40,98 |
| 59 | 15 | M | 0 | A03 | 46,55 | 53,2 |
| 59 | 15 | M | 0 | A04 | 51,52 | 50,96 |
| 59 | 15 | M | 0 | A06 | 62,22 | 56,68 |
| 59 | 15 | M | 0 | A07 | 79,19 | 50,06 |
| 59 | 15 | M | 0 | A08 | 65,12 | 21,64 |
| 59 | 15 | M | 0 | A10 | 94,07 | 44,07 |
| 59 | 15 | M | 0 | A11 | 131,99 | 49,6 |
| 59 | 15 | M | 0 | A12 | 135,68 | 119,56 |
| 59 | 15 | M | 0 | A13 | 80,61 | 119,67 |
| 59 | 15 | M | 0 | A14 | 89,43 | 114,73 |
| 59 | 15 | M | 0 | A15 | 95,16 | 113,71 |
| 59 | 15 | M | 0 | A16 | 80,76 | 103,17 |
| 60 | 15 | F | 0 | A03 | 45,87 | 53,74 |
| 60 | 15 | F | 0 | A04 | 51,29 | 51,29 |
| 60 | 15 | F | 0 | A10 | 93,26 | 44,23 |
| 60 | 15 | F | 0 | A11 | 132,24 | 52,41 |
| 60 | 15 | F | 0 | A12 | 134,65 | 120,11 |
| 60 | 15 | F | 0 | A13 | 80,12 | 120,11 |
| 60 | 15 | F | 0 | A14 | 88,96 | 115,6 |
| 60 | 15 | F | 0 | A15 | 94,55 | 114,39 |
| 61 | 19 | M | 3 | A01 | 24,38 | 69,71 |
| 61 | 19 | M | 3 | A03 | 46,44 | 53,67 |
| 61 | 19 | M | 3 | A04 | 51,5 | 50,92 |
| 61 | 19 | M | 3 | A05 | 50,99 | 59,93 |
| 61 | 19 | M | 3 | A06 | 62,06 | 56,76 |
| 61 | 19 | M | 3 | A07 | 79,15 | 50,24 |
| 61 | 19 | M | 3 | A08 | 68,77 | 19,95 |
| 61 | 19 | M | 3 | A09 | 87,94 | 39,59 |
| 61 | 19 | M | 3 | A10 | 94,2 | 44,05 |
| 61 | 19 | M | 3 | A11 | 131,79 | 48,88 |
| 61 | 19 | M | 3 | A12 | 135,25 | 119,15 |
| 61 | 19 | M | 3 | A13 | 81,24 | 122,13 |
| 61 | 19 | M | 3 | A14 | 89,12 | 114,97 |
| 61 | 19 | M | 3 | A15 | 95,34 | 114,01 |
| 61 | 19 | M | 3 | A16 | 81,12 | 103,03 |
| 61 | 19 | M | 3 | A21 | 76,47 | 43,52 |
| 61 | 19 | M | 3 | A22 | 72,99 | 25,65 |
| 61 | 19 | M | 3 | A30 | 123,11 | 124,28 |
| 61 | 19 | M | 3 | A39 | 95,74 | 117,68 |
| 62 | 19 | M | 3 | A01 | 25,14 | 69,98 |
| 62 | 19 | M | 3 | A02 | 15,82 | 41,16 |
| 62 | 19 | M | 3 | A03 | 46,43 | 53,37 |
| 62 | 19 | M | 3 | A04 | 51,72 | 50,85 |
| 62 | 19 | M | 3 | A07 | 83,09 | 48,96 |
| 62 | 19 | M | 3 | A08 | 68,1 | 19,89 |
| 62 | 19 | M | 3 | A10 | 94,42 | 43,55 |
| 62 | 19 | M | 3 | A11 | 132,22 | 49,84 |
| 62 | 19 | M | 3 | A12 | 135,63 | 119,97 |
| 62 | 19 | M | 3 | A13 | 80,41 | 120,82 |
| 62 | 19 | M | 3 | A14 | 89,35 | 115,07 |
| 62 | 19 | M | 3 | A15 | 95,34 | 113,91 |
| 62 | 19 | M | 3 | A18 | 63,81 | 24,92 |

| 62 | 19 | M | 3 | A27 | 114,24 | 125,64 |
|---|---|---|---|---|---|---|
| 62 | 19 | M | 3 | A28 | 117,59 | 127,5 |
| 62 | 19 | M | 3 | A31 | 74,77 | 47,7 |
| 62 | 19 | M | 3 | A33 | 75,78 | 21,65 |
| 62 | 19 | M | 3 | A38 | 91,92 | 114,45 |
| 62 | 19 | M | 3 | A41 | 87,62 | 41,79 |
| 63 | 19 | M | 3 | A01 | 25,58 | 69,85 |
| 63 | 19 | M | 3 | A02 | 16,84 | 40,47 |
| 63 | 19 | M | 3 | A03 | 46,33 | 53,23 |
| 63 | 19 | M | 3 | A04 | 51,46 | 50,96 |
| 63 | 19 | M | 3 | A07 | 79,69 | 49,87 |
| 63 | 19 | M | 3 | A08 | 67,93 | 19,82 |
| 63 | 19 | M | 3 | A09 | 87,14 | 39,02 |
| 63 | 19 | M | 3 | A10 | 94,14 | 43,9 |
| 63 | 19 | M | 3 | A11 | 132,05 | 49,26 |
| 63 | 19 | M | 3 | A12 | 135,74 | 119,15 |
| 63 | 19 | M | 3 | A13 | 80,86 | 120,18 |
| 63 | 19 | M | 3 | A14 | 90,13 | 114,71 |
| 63 | 19 | M | 3 | A15 | 95,35 | 113,36 |
| 64 | 19 | M | 3 | A01 | 24,5 | 69,85 |
| 64 | 19 | M | 3 | A02 | 17,1 | 40,15 |
| 64 | 19 | M | 3 | A03 | 46,51 | 53,25 |
| 64 | 19 | M | 3 | A04 | 51,84 | 50,92 |
| 64 | 19 | M | 3 | A05 | 51,13 | 60,06 |
| 64 | 19 | M | 3 | A06 | 62,74 | 56,59 |
| 64 | 19 | M | 3 | A07 | 82,66 | 49,24 |
| 64 | 19 | M | 3 | A08 | 68,06 | 20,11 |
| 64 | 19 | M | 3 | A09 | 87,38 | 39,27 |
| 64 | 19 | M | 3 | A10 | 94,23 | 43,62 |
| 64 | 19 | M | 3 | A11 | 132,42 | 49,78 |
| 64 | 19 | M | 3 | A12 | 136 | 120,4 |
| 64 | 19 | M | 3 | A13 | 80,87 | 120,11 |
| 64 | 19 | M | 3 | A14 | 89,88 | 114,8 |
| 64 | 19 | M | 3 | A15 | 95,6 | 113,48 |
| 64 | 19 | M | 3 | A16 | 81,08 | 102,85 |
| 65 | 19 | F | 3 | A01 | 25,26 | 69,92 |
| 65 | 19 | F | 3 | A02 | 14,31 | 42,36 |
| 65 | 19 | F | 3 | A03 | 46,29 | 53,15 |
| 65 | 19 | F | 3 | A04 | 51,39 | 50,85 |
| 65 | 19 | F | 3 | A08 | 64,93 | 21,83 |
| 65 | 19 | F | 3 | A10 | 94,54 | 43,6 |
| 65 | 19 | F | 3 | A11 | 132,6 | 50,46 |
| 65 | 19 | F | 3 | A12 | 135,66 | 120,06 |
| 65 | 19 | F | 3 | A13 | 80,94 | 120,93 |
| 65 | 19 | F | 3 | A14 | 90,22 | 114,95 |
| 65 | 19 | F | 3 | A15 | 95,16 | 113,91 |
| 65 | 19 | F | 3 | A21 | 82,92 | 41,03 |
| 65 | 19 | F | 3 | A22 | 69,73 | 26,18 |
| 65 | 19 | F | 3 | A29 | 87,97 | 120,93 |
| 65 | 19 | F | 3 | A30 | 127,25 | 120,93 |
| 65 | 19 | F | 3 | A41 | 87,39 | 45,05 |
| 66 | 19 | M | 3 | A01 | 24,96 | 69,77 |
| 66 | 19 | M | 3 | A02 | 14,28 | 42,1 |
| 66 | 19 | M | 3 | A03 | 46,45 | 53,12 |
| 66 | 19 | M | 3 | A04 | 51,62 | 51,17 |
| 66 | 19 | M | 3 | A06 | 62,77 | 56,34 |
| 66 | 19 | M | 3 | A07 | 82,76 | 49,22 |
| 66 | 19 | M | 3 | A08 | 68,24 | 20,16 |
| 66 | 19 | M | 3 | A10 | 94,18 | 43,83 |
| 66 | 19 | M | 3 | A11 | 132,43 | 49,99 |
| 66 | 19 | M | 3 | A12 | 135,78 | 120,61 |
| 66 | 19 | M | 3 | A13 | 80,89 | 120,54 |
| 66 | 19 | M | 3 | A14 | 89,74 | 114,65 |
| 66 | 19 | M | 3 | A15 | 95,48 | 113,8 |
| 67 | 19 | M | 3 | A01 | 24,98 | 69,85 |
| 67 | 19 | M | 3 | A02 | 17,46 | 39,97 |
| 67 | 19 | M | 3 | A03 | 46,33 | 53,33 |
| 67 | 19 | M | 3 | A04 | 51,35 | 51,01 |
| 67 | 19 | M | 3 | A06 | 61,84 | 56,58 |
| 67 | 19 | M | 3 | A07 | 81,43 | 49,62 |
| 67 | 19 | M | 3 | A08 | 68,24 | 20,1 |
| 67 | 19 | M | 3 | A10 | 93,92 | 43,71 |
| 67 | 19 | M | 3 | A11 | 132,31 | 49,97 |
| 67 | 19 | M | 3 | A12 | 135,29 | 119,49 |
| 67 | 19 | M | 3 | A13 | 80,6 | 119,81 |

| 67 | 19 | M | 3 | A14 | 89,56 | 114,76 |
|---|---|---|---|---|---|---|
| 67 | 19 | M | 3 | A15 | 95,05 | 113,62 |
| 68 | 19 | F | 3 | A01 | 24,32 | 69,73 |
| 68 | 19 | F | 3 | A02 | 15,81 | 40,75 |
| 68 | 19 | F | 3 | A03 | 46,07 | 53,12 |
| 68 | 19 | F | 3 | A04 | 51,39 | 50,9 |
| 68 | 19 | F | 3 | A05 | 50,61 | 59,88 |
| 68 | 19 | F | 3 | A06 | 61,83 | 56,6 |
| 68 | 19 | F | 3 | A07 | 80,78 | 49,83 |
| 68 | 19 | F | 3 | A08 | 66,73 | 20,39 |
| 68 | 19 | F | 3 | A09 | 87,3 | 39,51 |
| 68 | 19 | F | 3 | A10 | 93,6 | 44,02 |
| 68 | 19 | F | 3 | A11 | 131,78 | 49,3 |
| 68 | 19 | F | 3 | A12 | 135,29 | 120,4 |
| 68 | 19 | F | 3 | A13 | 80,44 | 121,06 |
| 68 | 19 | F | 3 | A14 | 89,63 | 114,84 |
| 68 | 19 | F | 3 | A15 | 95,12 | 113,95 |
| 68 | 19 | F | 3 | A16 | 80,81 | 103,14 |
| 69 | 19 | F | 3 | A01 | 24,7 | 69,94 |
| 69 | 19 | F | 3 | A02 | 12,93 | 43,33 |
| 69 | 19 | F | 3 | A03 | 46,07 | 53,38 |
| 69 | 19 | F | 3 | A04 | 51,78 | 50,98 |
| 69 | 19 | F | 3 | A07 | 79,77 | 50,07 |
| 69 | 19 | F | 3 | A08 | 66,4 | 20,96 |
| 69 | 19 | F | 3 | A10 | 93,71 | 44,02 |
| 69 | 19 | F | 3 | A11 | 132,05 | 50,15 |
| 69 | 19 | F | 3 | A12 | 135,22 | 120,59 |
| 69 | 19 | F | 3 | A13 | 80,33 | 119,72 |
| 69 | 19 | F | 3 | A14 | 89,09 | 115,17 |
| 69 | 19 | F | 3 | A15 | 94,61 | 113,68 |
| 69 | 19 | F | 3 | A29 | 87,42 | 120,51 |
| 69 | 19 | F | 3 | A30 | 126,67 | 122,43 |
| 69 | 19 | F | 3 | A34 | 48,92 | 52,01 |
| 69 | 19 | F | 3 | A39 | 93,38 | 114,27 |
| 69 | 19 | F | 3 | A44 | 70,69 | 37,47 |
| 69 | 19 | F | 3 | A45 | 79,86 | 31,39 |
| 69 | 19 | F | 3 | A46 | 68,56 | 42,54 |
| 69 | 19 | F | 3 | A47 | 81,57 | 27,57 |
| 69 | 19 | F | 3 | A48 | 82,68 | 123,48 |
| 69 | 19 | F | 3 | A49 | 134,66 | 122,7 |
| 69 | 19 | F | 3 | A50 | 12,24 | 60,23 |
| 70 | 19 | F | 3 | A01 | 24,77 | 69,86 |
| 70 | 19 | F | 3 | A02 | 15,63 | 40,84 |
| 70 | 19 | F | 3 | A03 | 46,36 | 53,47 |
| 70 | 19 | F | 3 | A04 | 51,31 | 50,92 |
| 70 | 19 | F | 3 | A07 | 80,57 | 50 |
| 70 | 19 | F | 3 | A08 | 65,72 | 21,22 |
| 70 | 19 | F | 3 | A10 | 94,14 | 44,05 |
| 70 | 19 | F | 3 | A11 | 131,84 | 49,42 |
| 70 | 19 | F | 3 | A12 | 135,23 | 121,15 |
| 70 | 19 | F | 3 | A13 | 80,25 | 120,37 |
| 70 | 19 | F | 3 | A14 | 89,12 | 115,04 |
| 70 | 19 | F | 3 | A15 | 94,71 | 114,18 |
| 71 | 19 | M | 3 | A01 | 25,05 | 69,81 |
| 71 | 19 | M | 3 | A02 | 16,04 | 40,59 |
| 71 | 19 | M | 3 | A03 | 46,1 | 53,36 |
| 71 | 19 | M | 3 | A04 | 51,34 | 51,23 |
| 71 | 19 | M | 3 | A07 | 79,68 | 50,17 |
| 71 | 19 | M | 3 | A08 | 71,26 | 19,97 |
| 71 | 19 | M | 3 | A10 | 94,1 | 43,91 |
| 71 | 19 | M | 3 | A11 | 132,26 | 49,91 |
| 71 | 19 | M | 3 | A12 | 135,18 | 119,67 |
| 71 | 19 | M | 3 | A13 | 80,43 | 120,61 |
| 71 | 19 | M | 3 | A14 | 89,28 | 114,84 |
| 71 | 19 | M | 3 | A15 | 95 | 113,9 |
| 72 | 19 | F | 3 | A01 | 24,08 | 69,98 |
| 72 | 19 | F | 3 | A02 | 16,88 | 40,51 |
| 72 | 19 | F | 3 | A03 | 46,25 | 53,31 |
| 72 | 19 | F | 3 | A04 | 51,5 | 51,01 |
| 72 | 19 | F | 3 | A06 | 61,77 | 56,79 |
| 72 | 19 | F | 3 | A07 | 78,95 | 50,19 |
| 72 | 19 | F | 3 | A08 | 67,15 | 20,62 |
| 72 | 19 | F | 3 | A10 | 94,01 | 44,12 |
| 72 | 19 | F | 3 | A11 | 131,6 | 48,89 |
| 72 | 19 | F | 3 | A12 | 135,43 | 121,47 |

| 72 | 19 | F | 3 | A13 | 80,42 | 120,82 |
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| 72 | 19 | F | 3 | A15 | 95,04 | 114,1 |
| 73 | 19 | M | 3 | A01 | 24,36 | 69,98 |
| 73 | 19 | M | 3 | A02 | 16,72 | 40,28 |
| 73 | 19 | M | 3 | A03 | 46,14 | 53,33 |
| 73 | 19 | M | 3 | A04 | 51,37 | 51,07 |
| 73 | 19 | M | 3 | A05 | 50,19 | 60,2 |
| 73 | 19 | M | 3 | A06 | 62,02 | 56,72 |
| 73 | 19 | M | 3 | A07 | 83,46 | 49,15 |
| 73 | 19 | M | 3 | A08 | 67,58 | 20,6 |
| 73 | 19 | M | 3 | A10 | 94,03 | 44,07 |
| 73 | 19 | M | 3 | A11 | 132,16 | 50,78 |
| 73 | 19 | M | 3 | A12 | 134,72 | 119,32 |
| 73 | 19 | M | 3 | A13 | 81,03 | 121,97 |
| 73 | 19 | M | 3 | A14 | 89,86 | 114,99 |
| 73 | 19 | M | 3 | A15 | 94,64 | 113,81 |
| 74 | 19 | M | 3 | A01 | 25,18 | 70,09 |
| 74 | 19 | M | 3 | A02 | 17,96 | 39,75 |
| 74 | 19 | M | 3 | A03 | 46,22 | 53,39 |
| 74 | 19 | M | 3 | A04 | 51,32 | 51,19 |
| 74 | 19 | M | 3 | A06 | 62,62 | 56,68 |
| 74 | 19 | M | 3 | A07 | 81,3 | 49,86 |
| 74 | 19 | M | 3 | A08 | 68,18 | 20,19 |
| 74 | 19 | M | 3 | A10 | 93,99 | 44,09 |
| 74 | 19 | M | 3 | A11 | 131,68 | 49,61 |
| 74 | 19 | M | 3 | A12 | 134,89 | 120,35 |
| 74 | 19 | M | 3 | A13 | 80,05 | 120,78 |
| 74 | 19 | M | 3 | A14 | 89,4 | 115,42 |
| 74 | 19 | M | 3 | A15 | 94,66 | 114,25 |
| 75 | 19 | M | 3 | A01 | 24,66 | 69,95 |
| 75 | 19 | M | 3 | A02 | 17,48 | 39,88 |
| 75 | 19 | M | 3 | A03 | 46,31 | 53,35 |
| 75 | 19 | M | 3 | A04 | 51,6 | 51,31 |
| 75 | 19 | M | 3 | A06 | 62,27 | 56,68 |
| 75 | 19 | M | 3 | A07 | 84,16 | 48,8 |
| 75 | 19 | M | 3 | A08 | 68,34 | 20,17 |
| 75 | 19 | M | 3 | A10 | 93,92 | 44,12 |
| 75 | 19 | M | 3 | A12 | 135,12 | 120,74 |
| 75 | 19 | M | 3 | A13 | 80,51 | 121,01 |
| 75 | 19 | M | 3 | A14 | 89,53 | 115,02 |
| 75 | 19 | M | 3 | A15 | 94,81 | 114,13 |
| 75 | 19 | M | 3 | A29 | 87,57 | 121,36 |
| 75 | 19 | M | 3 | A30 | 126,81 | 121,36 |
| 76 | 19 | M | 3 | A01 | 24,77 | 69,91 |
| 76 | 19 | M | 3 | A02 | 16,24 | 40,54 |
| 76 | 19 | M | 3 | A03 | 46,25 | 53,25 |
| 76 | 19 | M | 3 | A04 | 51,5 | 51,02 |
| 76 | 19 | M | 3 | A07 | 84,18 | 48,81 |
| 76 | 19 | M | 3 | A08 | 68,78 | 20,23 |
| 76 | 19 | M | 3 | A10 | 94,16 | 44,34 |
| 76 | 19 | M | 3 | A11 | 132,51 | 50,92 |
| 76 | 19 | M | 3 | A12 | 135,56 | 121,79 |
| 76 | 19 | M | 3 | A13 | 80,91 | 121,98 |
| 76 | 19 | M | 3 | A14 | 89,39 | 115,2 |
| 76 | 19 | M | 3 | A15 | 95,23 | 114,45 |
| 76 | 19 | M | 3 | A21 | 81,47 | 43,01 |
| 76 | 19 | M | 3 | A22 | 71,55 | 25,75 |
| 76 | 19 | M | 3 | A29 | 88,07 | 121,98 |
| 76 | 19 | M | 3 | A30 | 127,27 | 122,08 |
| 77 | 19 | M | 3 | A01 | 25,02 | 69,86 |
| 77 | 19 | M | 3 | A02 | 17,32 | 40,15 |
| 77 | 19 | M | 3 | A03 | 46,33 | 53,4 |
| 77 | 19 | M | 3 | A04 | 51,3 | 51,22 |
| 77 | 19 | M | 3 | A07 | 80,93 | 49,73 |
| 77 | 19 | M | 3 | A08 | 69,1 | 20,08 |
| 77 | 19 | M | 3 | A10 | 94,3 | 43,98 |
| 77 | 19 | M | 3 | A11 | 131,82 | 48,7 |
| 77 | 19 | M | 3 | A12 | 135,27 | 119,51 |
| 77 | 19 | M | 3 | A13 | 80,67 | 120,54 |
| 77 | 19 | M | 3 | A14 | 89,76 | 114,93 |
| 77 | 19 | M | 3 | A15 | 95,05 | 113,83 |
| 78 | 19 | M | 3 | A01 | 24,12 | 69,69 |
| 78 | 19 | M | 3 | A02 | 17,99 | 39,39 |
| 78 | 19 | M | 3 | A03 | 46,32 | 53,31 |

| 78 | 2009 | M | 3 | A04 | 51,53 | 51,17 |
|---|---|---|---|---|---|---|
| 78 | 2009 | M | 3 | A05 | 50,92 | 60,35 |
| 78 | 2009 | M | 3 | A06 | 61,94 | 56,22 |
| 78 | 2009 | M | 3 | A07 | 80,63 | 49,95 |
| 78 | 2009 | M | 3 | A08 | 67,91 | 20,11 |
| 78 | 2009 | M | 3 | A09 | 87,21 | 39,08 |
| 78 | 2009 | M | 3 | A10 | 94,1 | 43,83 |
| 78 | 2009 | M | 3 | A11 | 132,39 | 49,95 |
| 78 | 2009 | M | 3 | A12 | 135,28 | 119,98 |
| 78 | 2009 | M | 3 | A13 | 80,44 | 120,55 |
| 78 | 2009 | M | 3 | A14 | 89,61 | 115,26 |
| 78 | 2009 | M | 3 | A15 | 95,1 | 114,03 |
| 78 | 2009 | M | 3 | A16 | 80,82 | 102,41 |
| 79 | 19 | M | 3 | A02 | 17,24 | 40,24 |
| 79 | 19 | M | 3 | A03 | 46,13 | 53,61 |
| 79 | 19 | M | 3 | A04 | 51,28 | 51,69 |
| 79 | 19 | M | 3 | A05 | 50,27 | 60,66 |
| 79 | 19 | M | 3 | A06 | 61,88 | 57,14 |
| 79 | 19 | M | 3 | A07 | 80,64 | 50,28 |
| 79 | 19 | M | 3 | A08 | 65,22 | 21,83 |
| 79 | 19 | M | 3 | A10 | 93,56 | 44,72 |
| 79 | 19 | M | 3 | A11 | 131,88 | 51,93 |
| 79 | 19 | M | 3 | A12 | 134,33 | 122,49 |
| 79 | 19 | M | 3 | A13 | 79,17 | 121,93 |
| 79 | 19 | M | 3 | A14 | 88,66 | 115,98 |
| 79 | 19 | M | 3 | A15 | 93,74 | 114,77 |
| 79 | 19 | M | 3 | A16 | 79,94 | 103,41 |
| 79 | 19 | M | 3 | A29 | 86,78 | 122,49 |
| 79 | 19 | M | 3 | A30 | 125,75 | 122,93 |
| 80 | 25 | M | 3 | A01 | 24,99 | 69,83 |
| 80 | 25 | M | 3 | A02 | 17,11 | 40,24 |
| 80 | 25 | M | 3 | A03 | 46,96 | 53,22 |
| 80 | 25 | M | 3 | A04 | 51,69 | 50,96 |
| 80 | 25 | M | 3 | A05 | 50,7 | 60,13 |
| 80 | 25 | M | 3 | A06 | 61,89 | 56,59 |
| 80 | 25 | M | 3 | A07 | 81,46 | 49,59 |
| 80 | 25 | M | 3 | A08 | 67,68 | 20,34 |
| 80 | 25 | M | 3 | A09 | 87,81 | 39,47 |
| 80 | 25 | M | 3 | A10 | 94,05 | 44,16 |
| 80 | 25 | M | 3 | A11 | 132,34 | 49,73 |
| 80 | 25 | M | 3 | A12 | 135,67 | 121,21 |
| 80 | 25 | M | 3 | A13 | 80,93 | 120,61 |
| 80 | 25 | M | 3 | A14 | 90,23 | 114,96 |
| 80 | 25 | M | 3 | A15 | 95,29 | 113,87 |
| 81 | 23 | M | 3 | A01 | 25,16 | 69,86 |
| 81 | 23 | M | 3 | A02 | 15,99 | 40,8 |
| 81 | 23 | M | 3 | A03 | 46,49 | 53,29 |
| 81 | 23 | M | 3 | A04 | 51,5 | 51,07 |
| 81 | 23 | M | 3 | A05 | 50,99 | 60,2 |
| 81 | 23 | M | 3 | A06 | 62,55 | 56,78 |
| 81 | 23 | M | 3 | A07 | 80,58 | 49,86 |
| 81 | 23 | M | 3 | A08 | 66,55 | 20,86 |
| 81 | 23 | M | 3 | A10 | 94,29 | 43,8 |
| 81 | 23 | M | 3 | A11 | 132,73 | 50,04 |
| 81 | 23 | M | 3 | A12 | 135,86 | 120,08 |
| 81 | 23 | M | 3 | A13 | 80,89 | 120,3 |
| 81 | 23 | M | 3 | A14 | 89,92 | 115,09 |
| 81 | 23 | M | 3 | A15 | 95,2 | 113,77 |
| 81 | 23 | M | 3 | A16 | 81,38 | 102,88 |
| 82 | 23 | M | 3 | A01 | 27,12 | 69,59 |
| 82 | 23 | M | 3 | A03 | 46,65 | 53,26 |
| 82 | 23 | M | 3 | A04 | 51,76 | 51 |
| 82 | 23 | M | 3 | A05 | 52,65 | 62,35 |
| 82 | 23 | M | 3 | A06 | 61,7 | 56,67 |
| 82 | 23 | M | 3 | A07 | 84,82 | 48,33 |
| 82 | 23 | M | 3 | A08 | 68,81 | 20,19 |
| 82 | 23 | M | 3 | A10 | 94,2 | 43,76 |
| 82 | 23 | M | 3 | A12 | 135,98 | 119,33 |
| 82 | 23 | M | 3 | A12 | 135,23 | 88,79 |
| 82 | 23 | M | 3 | A12 | 133,12 | 50,63 |
| 82 | 23 | M | 3 | A13 | 82,3 | 122,45 |
| 82 | 23 | M | 3 | A14 | 90,06 | 114,56 |
| 82 | 23 | M | 3 | A15 | 95,57 | 113,52 |
| 82 | 23 | M | 3 | A24 | 116,28 | 43,04 |
| 82 | 23 | M | 3 | A26 | 115,28 | 117,39 |

| 82 | 23 | M | 3 | A27 | 96,9 | 124,86 |
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| 82 | 23 | M | 3 | A35 | 73,21 | 91,17 |
| 82 | 23 | M | 3 | A36 | 78,43 | 89,09 |
| 82 | 23 | M | 3 | A37 | 94,38 | 78,06 |
| 82 | 23 | M | 3 | A45 | 77,76 | 27,76 |
| 82 | 23 | M | 3 | A46 | 68,58 | 41,89 |
| 82 | 23 | M | 3 | A50 | 13,66 | 61,87 |
| 82 | 23 | M | 3 | A52 | 32,85 | 34,03 |
| 83 | 22 | M | 3 | A03 | 46,63 | 53,18 |
| 83 | 22 | M | 3 | A04 | 51,54 | 51,18 |
| 83 | 22 | M | 3 | A05 | 50,64 | 60,09 |
| 83 | 22 | M | 3 | A06 | 62,57 | 56,64 |
| 83 | 22 | M | 3 | A09 | 87,22 | 39,15 |
| 83 | 22 | M | 3 | A10 | 94,02 | 44,05 |
| 83 | 22 | M | 3 | A11 | 132,22 | 49,54 |
| 83 | 22 | M | 3 | A12 | 135,62 | 119,73 |
| 83 | 22 | M | 3 | A13 | 81 | 121,3 |
| 83 | 22 | M | 3 | A14 | 89,55 | 114,72 |
| 83 | 22 | M | 3 | A15 | 95,15 | 113,64 |
| 83 | 22 | M | 3 | A16 | 81 | 102,45 |
| 84 | 21 | M | 3 | A03 | 46,31 | 53,43 |
| 84 | 21 | M | 3 | A04 | 51,21 | 51,24 |
| 84 | 21 | M | 3 | A10 | 93,77 | 43,71 |
| 84 | 21 | M | 3 | A12 | 135,1 | 119,97 |
| 84 | 21 | M | 3 | A13 | 80,51 | 120,3 |
| 84 | 21 | M | 3 | A14 | 89,7 | 115,1 |
| 84 | 21 | M | 3 | A15 | 94,34 | 113,79 |
| 85 | 20 | M | 3 | A01 | 24 | 69,92 |
| 85 | 20 | M | 3 | A02 | 13,06 | 43,53 |
| 85 | 20 | M | 3 | A03 | 46,98 | 53,36 |
| 85 | 20 | M | 3 | A04 | 51,74 | 51,26 |
| 85 | 20 | M | 3 | A05 | 50,63 | 60,21 |
| 85 | 20 | M | 3 | A06 | 62,35 | 56,56 |
| 85 | 20 | M | 3 | A07 | 81,8 | 49,5 |
| 85 | 20 | M | 3 | A08 | 67,65 | 20,13 |
| 85 | 20 | M | 3 | A09 | 87,32 | 39,23 |
| 85 | 20 | M | 3 | A10 | 94,28 | 43,76 |
| 85 | 20 | M | 3 | A11 | 132,37 | 49,81 |
| 85 | 20 | M | 3 | A12 | 135,65 | 119,52 |
| 85 | 20 | M | 3 | A13 | 81,29 | 121,59 |
| 85 | 20 | M | 3 | A14 | 89,92 | 115,05 |
| 85 | 20 | M | 3 | A15 | 95,81 | 113,74 |
| 85 | 20 | M | 3 | A16 | 81,08 | 102,51 |
| 86 | 20 | M | 3 | A01 | 24,72 | 70,02 |
| 86 | 20 | M | 3 | A02 | 13,89 | 42,6 |
| 86 | 20 | M | 3 | A03 | 46,54 | 53,42 |
| 86 | 20 | M | 3 | A04 | 51,66 | 51,11 |
| 86 | 20 | M | 3 | A05 | 50,88 | 60,03 |
| 86 | 20 | M | 3 | A06 | 60,83 | 56,68 |
| 86 | 20 | M | 3 | A07 | 82,05 | 49,53 |
| 86 | 20 | M | 3 | A08 | 68,17 | 20,28 |
| 86 | 20 | M | 3 | A10 | 94,4 | 43,85 |
| 86 | 20 | M | 3 | A11 | 132,83 | 49,48 |
| 86 | 20 | M | 3 | A12 | 135,88 | 119,27 |
| 86 | 20 | M | 3 | A13 | 80,94 | 120,59 |
| 86 | 20 | M | 3 | A14 | 90,26 | 115,02 |
| 86 | 20 | M | 3 | A15 | 95,43 | 114,01 |
| 86 | 20 | M | 3 | A16 | 81,14 | 102,36 |
| 87 | 27 | M | 3 | A01 | 27,05 | 69,35 |
| 87 | 27 | M | 3 | A02 | 16,48 | 40,49 |
| 87 | 27 | M | 3 | A03 | 46,44 | 53,22 |
| 87 | 27 | M | 3 | A04 | 51,7 | 50,84 |
| 87 | 27 | M | 3 | A07 | 80,11 | 49,74 |
| 87 | 27 | M | 3 | A08 | 66,68 | 20,45 |
| 87 | 27 | M | 3 | A10 | 94,5 | 43,77 |
| 87 | 27 | M | 3 | A11 | 132,13 | 48,88 |
| 87 | 27 | M | 3 | A12 | 135,93 | 119,95 |
| 87 | 27 | M | 3 | A14 | 90,21 | 114,71 |
| 87 | 27 | M | 3 | A15 | 95,36 | 113,37 |
| 88 | 24 | M | 3 | A01 | 24,08 | 69,84 |
| 88 | 24 | M | 3 | A03 | 46,31 | 53,55 |
| 88 | 24 | M | 3 | A04 | 51,64 | 51,05 |
| 88 | 24 | M | 3 | A07 | 79,88 | 50,01 |
| 88 | 24 | M | 3 | A14 | 89,58 | 114,99 |
| 88 | 24 | M | 3 | A15 | 95,19 | 113,72 |

| 88 | 24 | M | 3 | A18 | 63,46 | 25,92 |
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| 88 | 24 | M | 3 | A19 | 68,24 | 29,17 |
| 88 | 24 | M | 3 | A21 | 82,87 | 39,49 |
| 88 | 24 | M | 3 | A30 | 123,38 | 124,16 |
| 88 | 24 | M | 3 | A39 | 92,81 | 117,71 |
| 88 | 24 | M | 3 | A41 | 87,56 | 42,35 |
| 88 | 24 | M | 3 | A49 | 130,49 | 125,55 |
| 88 | 24 | M | 3 | A54 | 85,32 | 115,86 |
| 89 | 24 | M | 3 | A01 | 26,23 | 69,62 |
| 89 | 24 | M | 3 | A02 | 17,21 | 40,53 |
| 89 | 24 | M | 3 | A03 | 46,33 | 53,51 |
| 89 | 24 | M | 3 | A04 | 51,88 | 51,09 |
| 89 | 24 | M | 3 | A05 | 50,92 | 60,18 |
| 89 | 24 | M | 3 | A06 | 62,19 | 56,63 |
| 89 | 24 | M | 3 | A07 | 81,35 | 49,67 |
| 89 | 24 | M | 3 | A08 | 66,81 | 20,74 |
| 89 | 24 | M | 3 | A09 | 87,29 | 39,14 |
| 89 | 24 | M | 3 | A10 | 94,48 | 43,71 |
| 89 | 24 | M | 3 | A11 | 132,54 | 49,56 |
| 89 | 24 | M | 3 | A12 | 135,95 | 121,25 |
| 89 | 24 | M | 3 | A13 | 80,82 | 119,68 |
| 89 | 24 | M | 3 | A14 | 89,99 | 114,98 |
| 89 | 24 | M | 3 | A15 | 95,52 | 113,85 |
| 89 | 24 | M | 3 | A16 | 81,19 | 103,13 |
| 90 | 21 | M | 3 | A01 | 29,26 | 68,48 |
| 90 | 21 | M | 3 | A02 | 20,19 | 38,88 |
| 90 | 21 | M | 3 | A03 | 46,48 | 52,99 |
| 90 | 21 | M | 3 | A04 | 51,77 | 50,93 |
| 90 | 21 | M | 3 | A05 | 48,32 | 60,68 |
| 90 | 21 | M | 3 | A06 | 64,51 | 56,09 |
| 90 | 21 | M | 3 | A07 | 78,86 | 50,59 |
| 90 | 21 | M | 3 | A08 | 63,25 | 22,02 |
| 90 | 21 | M | 3 | A09 | 92,53 | 42,21 |
| 90 | 21 | M | 3 | A10 | 97,58 | 42,44 |
| 90 | 21 | M | 3 | A11 | 132,77 | 53,27 |
| 90 | 21 | M | 3 | A12 | 135,43 | 116,21 |
| 90 | 21 | M | 3 | A13 | 80,65 | 117,46 |
| 90 | 21 | M | 3 | A14 | 88,93 | 113,27 |
| 90 | 21 | M | 3 | A15 | 93,35 | 111 |
| 91 | 0 | M | 3 | A01 | 25,03 | 69,96 |
| 91 | 0 | M | 3 | A02 | 10,59 | 47,17 |
| 91 | 0 | M | 3 | A03 | 46,76 | 53,42 |
| 91 | 0 | M | 3 | A04 | 51,88 | 51,14 |
| 91 | 0 | M | 3 | A07 | 84,81 | 48,32 |
| 91 | 0 | M | 3 | A08 | 67,51 | 20,58 |
| 91 | 0 | M | 3 | A10 | 94,38 | 43,74 |
| 91 | 0 | M | 3 | A11 | 132,36 | 49,66 |
| 91 | 0 | M | 3 | A12 | 135,49 | 122,39 |
| 91 | 0 | M | 3 | A13 | 81,05 | 120,27 |
| 91 | 0 | M | 3 | A14 | 90,26 | 114,96 |
| 91 | 0 | M | 3 | A15 | 95,34 | 114,13 |
| 91 | 0 | M | 3 | A21 | 81,06 | 43,57 |
| 91 | 0 | M | 3 | A22 | 70,36 | 25,69 |
| 91 | 0 | M | 3 | A29 | 88,49 | 120,62 |
| 91 | 0 | M | 3 | A30 | 127,93 | 122,27 |
| 92 | 20 | M | 3 | A01 | 27,13 | 69,33 |
| 92 | 20 | M | 3 | A02 | 14,63 | 41,79 |
| 92 | 20 | M | 3 | A03 | 46,64 | 53,23 |
| 92 | 20 | M | 3 | A04 | 51,92 | 51,17 |
| 92 | 20 | M | 3 | A10 | 94,08 | 44,14 |
| 92 | 20 | M | 3 | A11 | 132,88 | 50,71 |
| 92 | 20 | M | 3 | A12 | 134,36 | 123,91 |
| 92 | 20 | M | 3 | A13 | 80,96 | 119,31 |
| 92 | 20 | M | 3 | A14 | 90,25 | 114,72 |
| 92 | 20 | M | 3 | A15 | 94,65 | 113,74 |
| 92 | 20 | M | 3 | A21 | 82,45 | 42,03 |
| 92 | 20 | M | 3 | A29 | 88,29 | 120,19 |
| 92 | 20 | M | 3 | A30 | 126,83 | 123,32 |
| 93 | 20 | M | 3 | A01 | 24,15 | 70,04 |
| 93 | 20 | M | 3 | A03 | 46,74 | 53,37 |
| 93 | 20 | M | 3 | A04 | 51,47 | 51,37 |
| 93 | 20 | M | 3 | A07 | 79,62 | 50,38 |
| 93 | 20 | M | 3 | A10 | 94,33 | 43,88 |
| 93 | 20 | M | 3 | A11 | 132,8 | 50,19 |
| 93 | 20 | M | 3 | A14 | 90,2 | 114,73 |

| 93 | 20 | M | 3 | A15 | 95,25 | 113,6 |
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| 93 | 20 | M | 3 | A22 | 75,35 | 26,3 |
| 93 | 20 | M | 3 | A25 | 130,03 | 116,18 |
| 93 | 20 | M | 3 | A30 | 118,58 | 125,52 |
| 93 | 20 | M | 3 | A33 | 75,03 | 21,5 |
| 93 | 20 | M | 3 | A39 | 96,6 | 117,63 |
| 93 | 20 | M | 3 | A48 | 88,97 | 125,8 |
| 94 | 23 | M | 3 | A01 | 24,91 | 69,93 |
| 94 | 23 | M | 3 | A03 | 47,09 | 53,16 |
| 94 | 23 | M | 3 | A04 | 52,09 | 51,37 |
| 94 | 23 | M | 3 | A07 | 80,65 | 49,82 |
| 94 | 23 | M | 3 | A08 | 67,63 | 20,43 |
| 94 | 23 | M | 3 | A10 | 93,81 | 43,66 |
| 94 | 23 | M | 3 | A11 | 132,33 | 48,42 |
| 94 | 23 | M | 3 | A12 | 135,89 | 119,42 |
| 94 | 23 | M | 3 | A13 | 81,11 | 120,77 |
| 94 | 23 | M | 3 | A14 | 89,99 | 114,49 |
| 94 | 23 | M | 3 | A15 | 95,3 | 113,38 |
| 94 | 23 | M | 3 | A16 | 81,23 | 102,53 |
| 94 | 23 | M | 3 | A29 | 88,39 | 121,88 |
| 94 | 23 | M | 3 | A30 | 127,37 | 121,14 |
| 95 | 21 | M | 3 | A01 | 26,54 | 69,72 |
| 95 | 21 | M | 3 | A02 | 15,48 | 41,16 |
| 95 | 21 | M | 3 | A03 | 46,29 | 53,2 |
| 95 | 21 | M | 3 | A04 | 51,67 | 51,01 |
| 95 | 21 | M | 3 | A07 | 79,51 | 49,91 |
| 95 | 21 | M | 3 | A08 | 67,93 | 20,41 |
| 95 | 21 | M | 3 | A09 | 87,44 | 39,64 |
| 95 | 21 | M | 3 | A10 | 94,79 | 43,61 |
| 95 | 21 | M | 3 | A11 | 131,78 | 49 |
| 95 | 21 | M | 3 | A12 | 135,87 | 120,44 |
| 95 | 21 | M | 3 | A13 | 81,1 | 120,1 |
| 95 | 21 | M | 3 | A14 | 90,04 | 114,45 |
| 95 | 21 | M | 3 | A15 | 95,47 | 113,31 |
| 96 | 20 | M | 3 | A01 | 24,98 | 69,93 |
| 96 | 20 | M | 3 | A02 | 18,5 | 39,75 |
| 96 | 20 | M | 3 | A11 | 132,5 | 48,57 |
| 96 | 20 | M | 3 | A14 | 90,08 | 114,62 |
| 96 | 20 | M | 3 | A15 | 95,63 | 113,41 |
| 96 | 20 | M | 3 | A18 | 63,47 | 31,5 |
| 96 | 20 | M | 3 | A19 | 68,42 | 32,44 |
| 96 | 20 | M | 3 | A20 | 82,32 | 35,38 |
| 96 | 20 | M | 3 | A21 | 78,2 | 43,5 |
| 96 | 20 | M | 3 | A22 | 74,66 | 25,85 |
| 96 | 20 | M | 3 | A23 | 73,84 | 20,55 |
| 96 | 20 | M | 3 | A23 | 86,47 | 36,1 |
| 96 | 20 | M | 3 | A27 | 117,13 | 125,36 |
| 96 | 20 | M | 3 | A29 | 94,19 | 124,39 |
| 96 | 20 | M | 3 | A31 | 78,67 | 49,51 |
| 96 | 20 | M | 3 | A39 | 94,55 | 117,27 |
| 96 | 20 | M | 3 | A40 | 121,48 | 118,24 |
| 97 | 28 | M | 3 | A01 | 25,47 | 69,53 |
| 97 | 28 | M | 3 | A02 | 17,77 | 39,98 |
| 97 | 28 | M | 3 | A03 | 46,93 | 52,77 |
| 97 | 28 | M | 3 | A04 | 51,81 | 50,95 |
| 97 | 28 | M | 3 | A07 | 78,56 | 49,56 |
| 97 | 28 | M | 3 | A08 | 65,6 | 21,23 |
| 97 | 28 | M | 3 | A10 | 94,32 | 43,51 |
| 97 | 28 | M | 3 | A11 | 131,88 | 48,7 |
| 97 | 28 | M | 3 | A12 | 135,92 | 118,8 |
| 97 | 28 | M | 3 | A14 | 90,05 | 114,16 |
| 97 | 28 | M | 3 | A15 | 95,32 | 113,64 |
| 97 | 28 | M | 3 | A17 | 11,07 | 47,02 |
| 97 | 28 | M | 3 | A21 | 78,2 | 43,51 |
| 97 | 28 | M | 3 | A22 | 74,57 | 25,71 |
| 97 | 28 | M | 3 | A25 | 105,29 | 113,15 |
| 97 | 28 | M | 3 | A28 | 114,89 | 127,62 |
| 97 | 28 | M | 3 | A29 | 89,52 | 122,7 |
| 97 | 28 | M | 3 | A30 | 124,72 | 118,91 |
| 98 | 30 | M | 3 | A01 | 25,22 | 69,72 |
| 98 | 30 | M | 3 | A02 | 15,63 | 40,9 |
| 98 | 30 | M | 3 | A03 | 46,41 | 53,19 |
| 98 | 30 | M | 3 | A04 | 51,69 | 51,26 |
| 98 | 30 | M | 3 | A06 | 62,28 | 56,6 |

| 98 | 30 | M | 3 | A08 | 67,36 | 20,48 |
|---|---|---|---|---|---|---|
| 98 | 30 | M | 3 | A10 | 94,19 | 43,86 |
| 98 | 30 | M | 3 | A11 | 132,18 | 50,07 |
| 98 | 30 | M | 3 | A12 | 135,36 | 119,99 |
| 98 | 30 | M | 3 | A13 | 80,64 | 120,44 |
| 98 | 30 | M | 3 | A14 | 89,69 | 114,9 |
| 98 | 30 | M | 3 | A15 | 94,93 | 113,68 |
| 98 | 30 | M | 3 | A21 | 82,46 | 41,8 |
| 98 | 30 | M | 3 | A22 | 70,17 | 25,82 |
| 98 | 30 | M | 3 | A29 | 88,17 | 121,96 |
| 98 | 30 | M | 3 | A30 | 127 | 120,67 |
| 98 | 30 | M | 3 | A41 | 87,26 | 44,89 |
| 99 | 21 | M | 3 | A01 | 25,22 | 69,72 |
| 99 | 21 | M | 3 | A02 | 15,63 | 40,9 |
| 99 | 21 | M | 3 | A03 | 46,41 | 53,19 |
| 99 | 21 | M | 3 | A04 | 51,69 | 51,26 |
| 99 | 21 | M | 3 | A06 | 62,28 | 56,6 |
| 99 | 21 | M | 3 | A08 | 67,36 | 20,48 |
| 99 | 21 | M | 3 | A10 | 94,19 | 43,86 |
| 99 | 21 | M | 3 | A11 | 132,18 | 50,07 |
| 99 | 21 | M | 3 | A12 | 135,36 | 119,99 |
| 99 | 21 | M | 3 | A13 | 80,64 | 120,44 |
| 99 | 21 | M | 3 | A14 | 89,69 | 114,9 |
| 99 | 21 | M | 3 | A15 | 94,93 | 113,68 |
| 99 | 21 | M | 3 | A21 | 82,46 | 41,8 |
| 99 | 21 | M | 3 | A22 | 70,17 | 25,82 |
| 99 | 21 | M | 3 | A29 | 88,17 | 121,96 |
| 99 | 21 | M | 3 | A30 | 127 | 120,67 |
| 99 | 21 | M | 3 | A41 | 87,26 | 44,89 |
| 100 | 28 | M | 3 | A01 | 24,84 | 69,84 |
| 100 | 28 | M | 3 | A02 | 18,06 | 39,57 |
| 100 | 28 | M | 3 | A03 | 46,46 | 53,23 |
| 100 | 28 | M | 3 | A04 | 51,16 | 51,09 |
| 100 | 28 | M | 3 | A07 | 82,1 | 49,25 |
| 100 | 28 | M | 3 | A08 | 68,15 | 20,19 |
| 100 | 28 | M | 3 | A10 | 93,87 | 43,76 |
| 100 | 28 | M | 3 | A11 | 132,24 | 50,09 |
| 100 | 28 | M | 3 | A12 | 135,58 | 119,3 |
| 100 | 28 | M | 3 | A14 | 89,62 | 115,06 |
| 100 | 28 | M | 3 | A15 | 94,86 | 113,79 |
| 100 | 28 | M | 3 | A21 | 76,06 | 43 |
| 100 | 28 | M | 3 | A22 | 75,28 | 26,26 |
| 100 | 28 | M | 3 | A27 | 118,3 | 125,25 |
| 100 | 28 | M | 3 | A31 | 75,64 | 48,45 |
| 100 | 28 | M | 3 | A33 | 75,6 | 21,77 |
| 100 | 28 | M | 3 | A39 | 96,63 | 117,39 |
| 100 | 28 | M | 3 | A49 | 121,48 | 127,44 |
| 101 | 19 | M | 3 | A10 | 94,06 | 44,03 |
| 101 | 19 | M | 3 | A11 | 132,37 | 50,49 |
| 101 | 19 | M | 3 | A14 | 89,67 | 115,06 |
| 101 | 19 | M | 3 | A15 | 94,67 | 113,64 |
| 101 | 19 | M | 3 | A16 | 80,83 | 102,84 |
| 101 | 19 | M | 3 | A21 | 81,06 | 43,54 |
| 101 | 19 | M | 3 | A22 | 70,4 | 25,76 |
| 102 | 23 | M | 3 | A01 | 25,98 | 69,77 |
| 102 | 23 | M | 3 | A03 | 46,55 | 53,47 |
| 102 | 23 | M | 3 | A04 | 51,6 | 50,71 |
| 102 | 23 | M | 3 | A05 | 50,75 | 60,14 |
| 102 | 23 | M | 3 | A06 | 62,85 | 56,52 |
| 102 | 23 | M | 3 | A07 | 80,11 | 49,76 |
| 102 | 23 | M | 3 | A08 | 66,32 | 20,86 |
| 102 | 23 | M | 3 | A09 | 88,32 | 39,7 |
| 102 | 23 | M | 3 | A10 | 94,35 | 43,75 |
| 102 | 23 | M | 3 | A11 | 131,92 | 49,68 |
| 102 | 23 | M | 3 | A12 | 135,87 | 119,7 |
| 102 | 23 | M | 3 | A13 | 81,38 | 120,95 |
| 102 | 23 | M | 3 | A14 | 90,09 | 115,14 |
| 102 | 23 | M | 3 | A15 | 95,39 | 113,98 |
| 102 | 23 | M | 3 | A16 | 81,71 | 103,29 |
| 103 | 21 | M | 3 | A01 | 24,32 | 70,11 |
| 103 | 21 | M | 3 | A02 | 14,8 | 41,45 |
| 103 | 21 | M | 3 | A03 | 46 | 53,55 |
| 103 | 21 | M | 3 | A04 | 51,17 | 51,12 |
| 103 | 21 | M | 3 | A07 | 80,99 | 50,04 |
| 103 | 21 | M | 3 | A08 | 69,11 | 20,2 |

| 103 | 21 | M | 3 | A10 | 93,97 | 44,16 |
|---|---|---|---|---|---|---|
| 103 | 21 | M | 3 | A11 | 132,09 | 50,25 |
| 103 | 21 | M | 3 | A12 | 135,09 | 121,54 |
| 103 | 21 | M | 3 | A13 | 80,09 | 120,97 |
| 103 | 21 | M | 3 | A14 | 89,21 | 115,25 |
| 103 | 21 | M | 3 | A15 | 94,64 | 114,33 |
| 103 | 21 | M | 3 | A16 | 80,83 | 103,26 |
| 103 | 21 | M | 3 | A29 | 87,48 | 121,32 |
| 103 | 21 | M | 3 | A30 | 126,63 | 122,2 |
| 104 | 25 | F | 4 | A01 | 26,19 | 69,82 |
| 104 | 25 | F | 4 | A02 | 16,29 | 40,64 |
| 104 | 25 | F | 4 | A03 | 46,24 | 53,31 |
| 104 | 25 | F | 4 | A04 | 51,63 | 51,33 |
| 104 | 25 | F | 4 | A05 | 50,64 | 60,41 |
| 104 | 25 | F | 4 | A06 | 62,15 | 56,81 |
| 104 | 25 | F | 4 | A07 | 82,75 | 49,72 |
| 104 | 25 | F | 4 | A08 | 68 | 20,6 |
| 104 | 25 | F | 4 | A09 | 87,14 | 39,2 |
| 104 | 25 | F | 4 | A10 | 93,89 | 43,83 |
| 104 | 25 | F | 4 | A11 | 132,11 | 51,18 |
| 104 | 25 | F | 4 | A12 | 134,97 | 120,28 |
| 104 | 25 | F | 4 | A13 | 80,44 | 120,59 |
| 104 | 25 | F | 4 | A14 | 89,59 | 115,24 |
| 104 | 25 | F | 4 | A15 | 94,51 | 114,25 |
| 104 | 25 | F | 4 | A16 | 80,75 | 102,55 |
| 105 | 24 | M | 4 | A01 | 23,9 | 69,95 |
| 105 | 24 | M | 4 | A02 | 15,66 | 40,9 |
| 105 | 24 | M | 4 | A03 | 45,84 | 53,44 |
| 105 | 24 | M | 4 | A04 | 50,92 | 51,36 |
| 105 | 24 | M | 4 | A07 | 81,9 | 49,7 |
| 105 | 24 | M | 4 | A08 | 68,4 | 20,31 |
| 105 | 24 | M | 4 | A10 | 93,37 | 44,15 |
| 105 | 24 | M | 4 | A11 | 131,13 | 49,54 |
| 105 | 24 | M | 4 | A12 | 134,8 | 120,52 |
| 105 | 24 | M | 4 | A13 | 79,9 | 120,89 |
| 105 | 24 | M | 4 | A14 | 88,67 | 115,05 |
| 105 | 24 | M | 4 | A15 | 94,34 | 114,13 |
| 106 | 25 | F | 4 | A01 | 25,95 | 69,81 |
| 106 | 25 | F | 4 | A02 | 17,98 | 39,83 |
| 106 | 25 | F | 4 | A03 | 46,45 | 53,28 |
| 106 | 25 | F | 4 | A04 | 51,56 | 51,14 |
| 106 | 25 | F | 4 | A06 | 62,02 | 56,78 |
| 106 | 25 | F | 4 | A07 | 79,68 | 50,31 |
| 106 | 25 | F | 4 | A08 | 67,37 | 20,59 |
| 106 | 25 | F | 4 | A09 | 87,33 | 39,56 |
| 106 | 25 | F | 4 | A10 | 93,98 | 44,11 |
| 106 | 25 | F | 4 | A11 | 132,18 | 50,68 |
| 106 | 25 | F | 4 | A12 | 135,18 | 120,25 |
| 106 | 25 | F | 4 | A13 | 80,56 | 120,6 |
| 106 | 25 | F | 4 | A14 | 89,71 | 114,98 |
| 106 | 25 | F | 4 | A15 | 95,12 | 113,76 |
| 106 | 25 | F | 4 | A21 | 81,8 | 43,37 |
| 106 | 25 | F | 4 | A22 | 70,51 | 25,82 |
| 106 | 25 | F | 4 | A29 | 87,66 | 120,85 |
| 106 | 25 | F | 4 | A30 | 126,91 | 121,98 |
| 106 | 25 | F | 4 | A41 | 85,31 | 47,7 |
| 107 | 25 | M | 4 | A01 | 24,99 | 69,91 |
| 107 | 25 | M | 4 | A02 | 17,51 | 39,96 |
| 107 | 25 | M | 4 | A03 | 46,18 | 53,38 |
| 107 | 25 | M | 4 | A04 | 51,19 | 51,2 |
| 107 | 25 | M | 4 | A08 | 66,28 | 21,43 |
| 107 | 25 | M | 4 | A10 | 93,84 | 44,11 |
| 107 | 25 | M | 4 | A12 | 135,01 | 120,38 |
| 107 | 25 | M | 4 | A13 | 80,19 | 121,22 |
| 107 | 25 | M | 4 | A14 | 89,44 | 115,25 |
| 107 | 25 | M | 4 | A15 | 94,9 | 114,08 |
| 107 | 25 | M | 4 | A21 | 82,68 | 41,91 |
| 107 | 25 | M | 4 | A22 | 69,93 | 26,51 |
| 107 | 25 | M | 4 | A29 | 87,59 | 121,72 |
| 107 | 25 | M | 4 | A30 | 126,43 | 121,05 |
| 107 | 25 | M | 4 | A41 | 87,01 | 45,48 |
| 108 | 25 | F | 4 | A01 | 25,71 | 69,94 |
| 108 | 25 | F | 4 | A02 | 13,78 | 42,75 |
| 108 | 25 | F | 4 | A03 | 46,45 | 53,76 |
| 108 | 25 | F | 4 | A04 | 51,76 | 51,16 |

| 108 | 25 | F | 4 | A05 | 50,21 | 60,36 |
|---|---|---|---|---|---|---|
| 108 | 25 | F | 4 | A06 | 62,39 | 56,73 |
| 108 | 25 | F | 4 | A07 | 80,8 | 50,39 |
| 108 | 25 | F | 4 | A08 | 65,89 | 21,64 |
| 108 | 25 | F | 4 | A09 | 87,67 | 39,9 |
| 108 | 25 | F | 4 | A10 | 94,15 | 44,56 |
| 108 | 25 | F | 4 | A11 | 132,13 | 49,87 |
| 108 | 25 | F | 4 | A12 | 134,89 | 120,5 |
| 108 | 25 | F | 4 | A13 | 80,47 | 121,7 |
| 108 | 25 | F | 4 | A14 | 89,35 | 115,31 |
| 108 | 25 | F | 4 | A15 | 95,03 | 114,59 |
| 108 | 25 | F | 4 | A16 | 80,55 | 102,83 |
| 109 | 22 | M | 4 | A01 | 25,83 | 69,85 |
| 109 | 22 | M | 4 | A02 | 15,17 | 41,47 |
| 109 | 22 | M | 4 | A03 | 46,48 | 53,29 |
| 109 | 22 | M | 4 | A04 | 51,52 | 51,45 |
| 109 | 22 | M | 4 | A05 | 50,17 | 60,36 |
| 109 | 22 | M | 4 | A06 | 61,99 | 56,77 |
| 109 | 22 | M | 4 | A10 | 93,89 | 43,99 |
| 109 | 22 | M | 4 | A11 | 131,63 | 49,66 |
| 109 | 22 | M | 4 | A12 | 135,37 | 120,23 |
| 109 | 22 | M | 4 | A13 | 80,37 | 120,23 |
| 109 | 22 | M | 4 | A14 | 89,32 | 115,2 |
| 109 | 22 | M | 4 | A15 | 94,66 | 114,14 |
| 109 | 22 | M | 4 | A18 | 63,08 | 26,93 |
| 109 | 22 | M | 4 | A19 | 67,88 | 30,05 |
| 109 | 22 | M | 4 | A21 | 83,19 | 39,49 |
| 109 | 22 | M | 4 | A29 | 87,36 | 120,53 |
| 109 | 22 | M | 4 | A30 | 126,64 | 122,11 |
| 109 | 22 | M | 4 | A41 | 86,93 | 45,27 |
| 110 | 26 | M | 4 | A01 | 24,32 | 69,92 |
| 110 | 26 | M | 4 | A02 | 17,16 | 39,94 |
| 110 | 26 | M | 4 | A03 | 46,02 | 53,32 |
| 110 | 26 | M | 4 | A04 | 51,39 | 51,24 |
| 110 | 26 | M | 4 | A07 | 82,67 | 49,58 |
| 110 | 26 | M | 4 | A08 | 67,25 | 20,62 |
| 110 | 26 | M | 4 | A10 | 94,16 | 44,49 |
| 110 | 26 | M | 4 | A11 | 131,88 | 50,25 |
| 110 | 26 | M | 4 | A12 | 135,14 | 119,37 |
| 110 | 26 | M | 4 | A13 | 81,27 | 122,3 |
| 110 | 26 | M | 4 | A14 | 89,25 | 114,82 |
| 110 | 26 | M | 4 | A15 | 94,79 | 114,08 |
| 110 | 26 | M | 4 | A21 | 79,7 | 44,04 |
| 110 | 26 | M | 4 | A22 | 70,14 | 26,23 |
| 110 | 26 | M | 4 | A29 | 87,63 | 122,05 |
| 110 | 26 | M | 4 | A30 | 126,58 | 120,8 |
| 111 | 30 | M | 4 | A01 | 23,39 | 69,95 |
| 111 | 30 | M | 4 | A02 | 17,09 | 40 |
| 111 | 30 | M | 4 | A03 | 45,87 | 53,56 |
| 111 | 30 | M | 4 | A04 | 50,82 | 51,19 |
| 111 | 30 | M | 4 | A05 | 49,85 | 60,34 |
| 111 | 30 | M | 4 | A06 | 61,38 | 56,9 |
| 111 | 30 | M | 4 | A07 | 82,71 | 49,36 |
| 111 | 30 | M | 4 | A08 | 66,12 | 21,16 |
| 111 | 30 | M | 4 | A09 | 86,27 | 39,68 |
| 111 | 30 | M | 4 | A10 | 93,48 | 44,09 |
| 111 | 30 | M | 4 | A11 | 131,05 | 49,27 |
| 111 | 30 | M | 4 | A12 | 134,63 | 119,55 |
| 111 | 30 | M | 4 | A13 | 79,7 | 120,46 |
| 111 | 30 | M | 4 | A14 | 89,06 | 115,03 |
| 111 | 30 | M | 4 | A15 | 94,25 | 113,78 |
| 111 | 30 | M | 4 | A16 | 79,95 | 102,17 |
| 111 | 30 | M | 4 | A21 | 80,34 | 43,55 |
| 111 | 30 | M | 4 | A22 | 69,46 | 26,22 |
| 111 | 30 | M | 4 | A29 | 86,89 | 121,05 |
| 111 | 30 | M | 4 | A30 | 126,19 | 121,22 |
| 112 | 29 | M | 4 | A01 | 24,63 | 69,54 |
| 112 | 29 | M | 4 | A02 | 16,77 | 40,12 |
| 112 | 29 | M | 4 | A03 | 46,01 | 53,22 |
| 112 | 29 | M | 4 | A04 | 51,12 | 51,21 |
| 112 | 29 | M | 4 | A06 | 61,23 | 56,79 |
| 112 | 29 | M | 4 | A10 | 93,6 | 44,15 |
| 112 | 29 | M | 4 | A11 | 129,33 | 48,25 |
| 112 | 29 | M | 4 | A13 | 79,82 | 120,6 |
| 112 | 29 | M | 4 | A14 | 88,82 | 114,49 |
| 112 | 29 | M | 4 | A15 | 94,17 | 114,07 |
| 112 | 29 | M | 4 | A21 | 73,12 | 41,31 |
| 112 | 29 | M | 4 | A22 | 73,3 | 26,02 |
| 112 | 29 | M | 4 | A25 | 130,27 | 117,38 |
| 112 | 29 | M | 4 | A29 | 90,61 | 123,91 |
| 112 | 29 | M | 4 | A30 | 123,9 | 119,76 |
| 112 | 29 | M | 4 | A31 | 70,35 | 45,29 |
| 112 | 29 | M | 4 | A33 | 74,51 | 21,5 |
| 112 | 29 | M | 4 | A48 | 86,53 | 125,44 |
| 113 | 27 | M | 4 | A01 | 24,38 | 69,95 |
| 113 | 27 | M | 4 | A02 | 15,6 | 40,84 |
| 113 | 27 | M | 4 | A03 | 45,92 | 53,36 |
| 113 | 27 | M | 4 | A04 | 51,23 | 51,14 |
| 113 | 27 | M | 4 | A07 | 81,2 | 49,72 |
| 113 | 27 | M | 4 | A08 | 67,7 | 20,47 |
| 113 | 27 | M | 4 | A10 | 93,53 | 44,47 |
| 113 | 27 | M | 4 | A11 | 131,38 | 50,11 |
| 113 | 27 | M | 4 | A12 | 134,29 | 121,51 |
| 113 | 27 | M | 4 | A13 | 79,58 | 121,34 |
| 113 | 27 | M | 4 | A14 | 88,63 | 115,07 |
| 113 | 27 | M | 4 | A15 | 94,09 | 114,45 |
| 113 | 27 | M | 4 | A21 | 80,57 | 43,56 |
| 113 | 27 | M | 4 | A22 | 69,96 | 26,35 |
| 113 | 27 | M | 4 | A29 | 86,84 | 121,51 |
| 113 | 27 | M | 4 | A30 | 125,96 | 122,05 |