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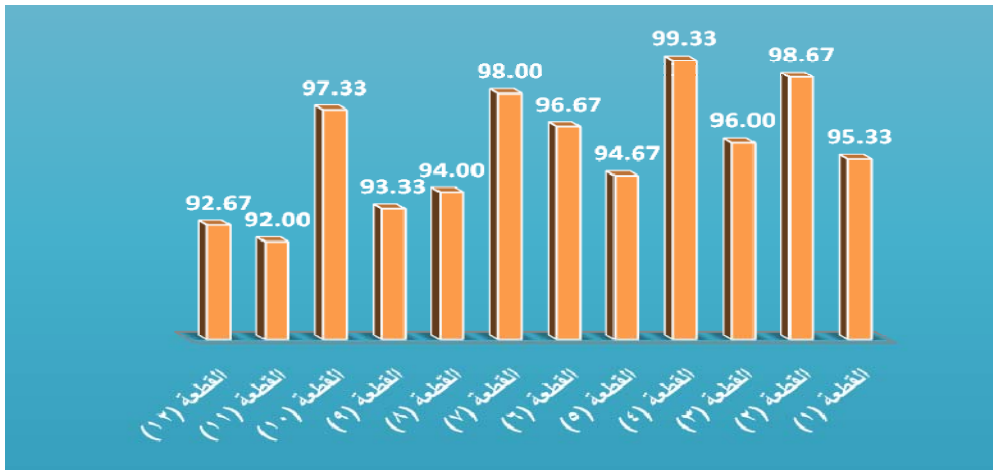
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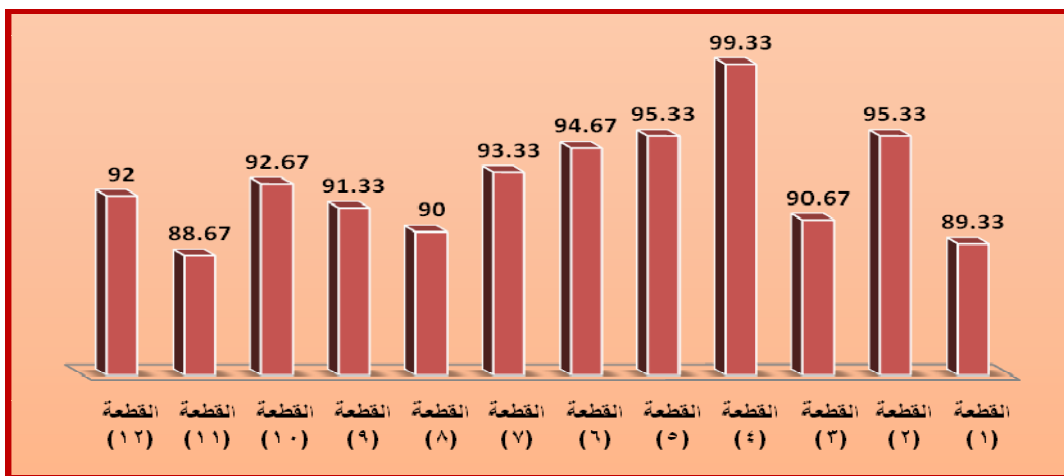




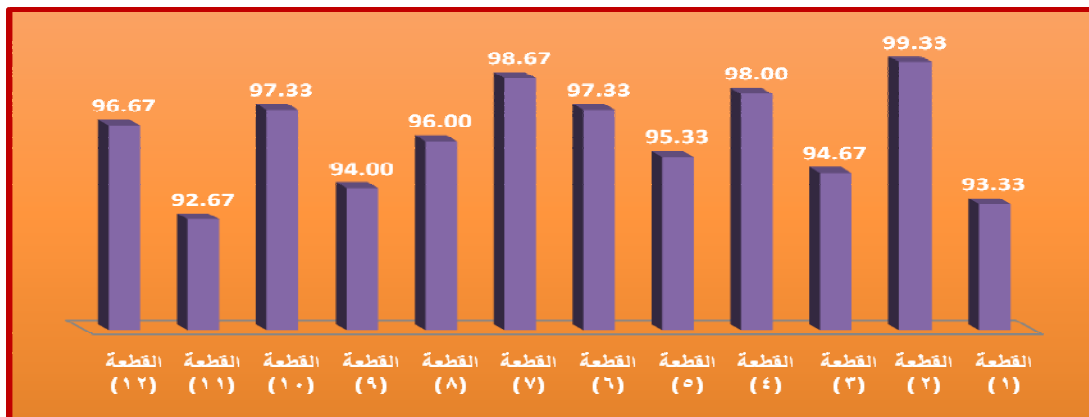




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Two- way ANOVA

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Tukey

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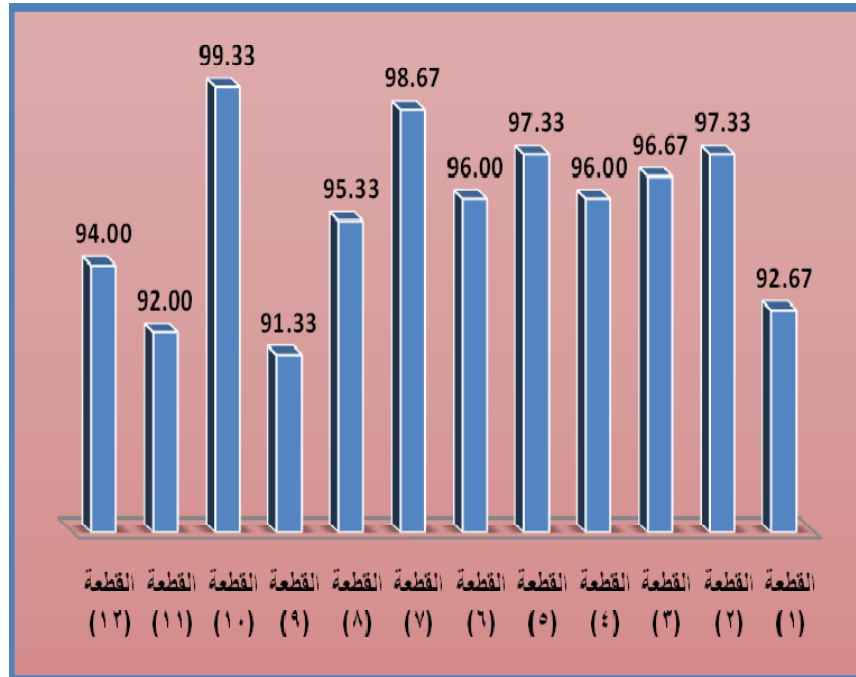
|    |       |      |       |      |       |      |       |      |       |      |    |
|----|-------|------|-------|------|-------|------|-------|------|-------|------|----|
| 10 | 92.67 | 55.6 | 92.67 | 13.9 | 93.33 | 14   | 89.33 | 13.4 | 95.33 | 14.3 | 1  |
| 2  | 97.67 | 58.6 | 97.33 | 14.6 | 99.33 | 14.9 | 95.33 | 14.3 | 98.67 | 14.8 | 2  |
| 7  | 94.50 | 56.7 | 96.67 | 14.5 | 94.67 | 14.2 | 90.67 | 13.6 | 96.00 | 14.4 | 3  |
| 1  | 98.17 | 58.9 | 96.00 | 14.4 | 98.00 | 14.7 | 99.33 | 14.9 | 99.33 | 14.9 | 4  |
| 6  | 95.67 | 57.4 | 97.33 | 14.6 | 95.33 | 14.3 | 95.33 | 14.3 | 94.67 | 14.2 | 5  |
| 5  | 96.17 | 57.7 | 96.00 | 14.4 | 97.33 | 14.6 | 94.67 | 14.2 | 96.67 | 14.5 | 6  |
| 3  | 97.17 | 58.3 | 98.67 | 14.8 | 98.67 | 14.8 | 93.33 | 14   | 98.00 | 14.7 | 7  |
| 8  | 93.83 | 56.3 | 95.33 | 14.3 | 96.00 | 14.4 | 90.00 | 13.5 | 94.00 | 14.1 | 8  |
| 11 | 92.50 | 55.5 | 91.33 | 13.7 | 94.00 | 14.1 | 91.33 | 13.7 | 93.33 | 14   | 9  |
| 4  | 96.67 | 58   | 99.33 | 14.9 | 97.33 | 14.6 | 92.67 | 13.9 | 97.33 | 14.6 | 10 |
| 12 | 91.33 | 54.8 | 92.00 | 13.8 | 92.67 | 13.9 | 88.67 | 13.3 | 92.00 | 13.8 | 11 |
| 9  | 93.83 | 56.3 | 94.00 | 14.1 | 96.67 | 14.5 | 92.00 | 13.8 | 92.67 | 13.9 | 12 |

**Two-way ANOVA**

| " "  |        |      |    |       |
|------|--------|------|----|-------|
| .000 | 9.003  | .446 | 11 | 4.907 |
| .000 | 13.032 | .646 | 3  | 1.937 |
|      |        | .050 | 33 | 1.635 |
|      |        |      | 47 | 8.480 |

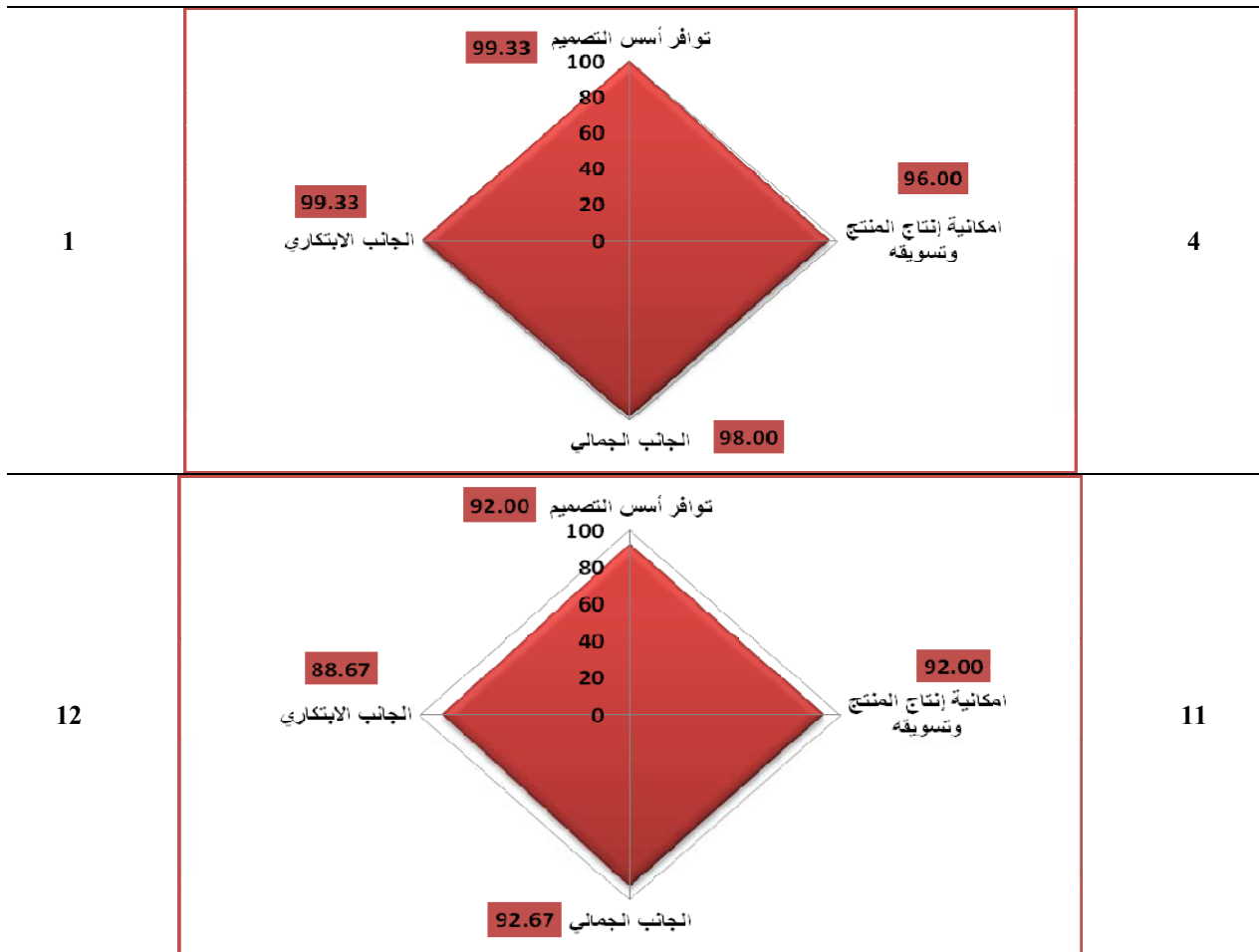
**Tukey**

|   |   |   |   |   |   |   |   |
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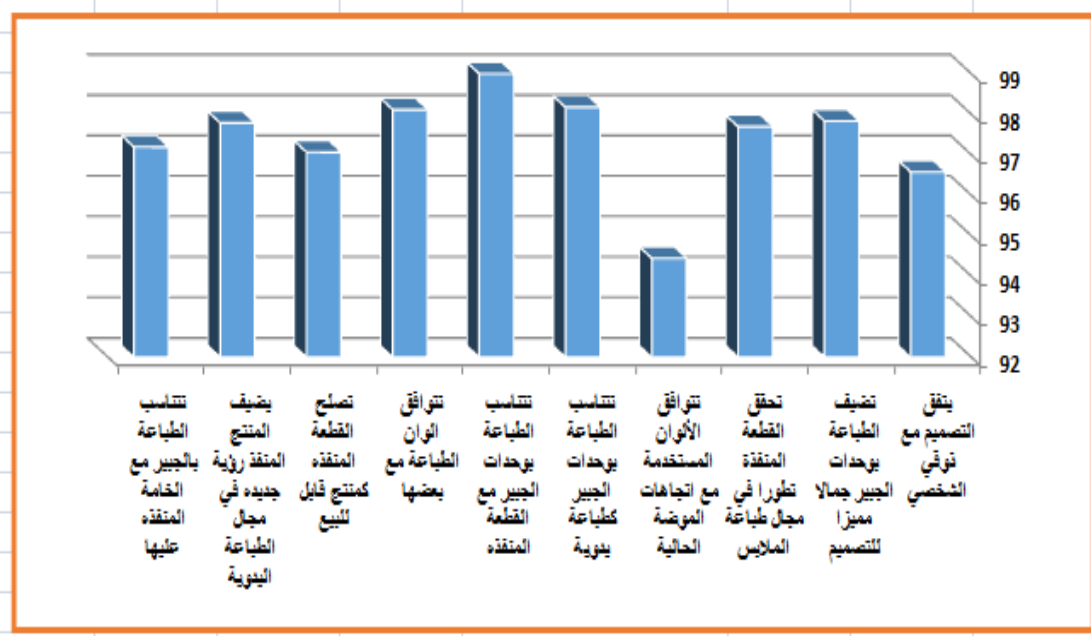
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|    |       |       |
|----|-------|-------|
| 9  | 96.57 | 34.77 |
| 4  | 97.83 | 35.22 |
| 6  | 97.69 | 35.17 |
| 10 | 94.44 | 34.00 |
| 2  | 98.17 | 35.34 |
| 1  | 99.00 | 35.64 |
| 3  | 98.11 | 35.32 |
| 8  | 97.06 | 34.94 |
| 5  | 97.78 | 35.20 |
| 7  | 97.19 | 34.99 |



|      |      |       |      |      |    |
|------|------|-------|------|------|----|
| 2.97 | 2.80 | .017  | 0.05 | 2.89 | 1  |
| 3.00 | 2.90 | .0009 | 0.03 | 2.97 | 2  |
| 2.97 | 2.80 | .015  | 0.05 | 2.91 | 3  |
| 2.97 | 2.87 | .010  | 0.03 | 2.94 | 4  |
| 2.97 | 2.80 | .016  | 0.05 | 2.91 | 5  |
| 2.97 | 2.83 | .013  | 0.04 | 2.93 | 6  |
| 3.00 | 2.90 | .009  | 0.03 | 2.95 | 7  |
| 2.97 | 2.80 | .019  | 0.06 | 2.90 | 8  |
| 2.97 | 2.80 | .018  | 0.06 | 2.90 | 9  |
| 2.97 | 2.87 | .009  | 0.03 | 2.94 | 10 |
| 2.97 | 2.80 | .017  | 0.05 | 2.89 | 11 |
| 2.97 | 2.83 | .012  | 0.04 | 2.92 | 12 |

one- way ANOVA

|      |       |      |     |      |
|------|-------|------|-----|------|
| .001 | 3.220 | .007 | 11  | .074 |
|      |       | .002 | 108 | .225 |
|      |       |      | 119 | .299 |

|    |       |      |    |
|----|-------|------|----|
| 12 | 96.40 | 2.89 | 1  |
| 1  | 99.07 | 2.97 | 2  |
| 8  | 96.87 | 2.91 | 3  |
| 3  | 98.13 | 2.94 | 4  |
| 7  | 97.00 | 2.91 | 5  |
| 5  | 97.63 | 2.93 | 6  |
| 2  | 98.47 | 2.95 | 7  |
| 9  | 96.77 | 2.90 | 8  |
| 10 | 96.60 | 2.90 | 9  |
| 4  | 97.87 | 2.94 | 10 |
| 11 | 96.40 | 2.89 | 11 |
| 6  | 97.40 | 2.92 | 12 |

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|---------|----|----|----|
|         | 10 | 12 | 1  |
|         | 2  | 1  | 2  |
|         | 7  | 8  | 3  |
|         | 1  | 3  | 4  |
| 0.912** | 6  | 7  | 5  |
|         | 5  | 5  | 6  |
|         | 3  | 2  | 7  |
|         | 8  | 9  | 8  |
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Schaeffer, O, E, Gale William (1973): Esquire's Encyclopedia of 20th Century Men's Fashion, Mc Grow – Hill Inc. New York.

### ABSTRACT

## Using Lace Fabrics in the Development of Printed Designs as an Experimental Entrance to Manual Printing in order to Serve Small Industries

Naglaa Mohamed Ahmed Mady, Rasha Abbass Mohamed Metwally

Small Industries are considered to be one of the best types of projects which induce development and provide real job opportunities in the different countries around the world, especially in the developing countries. Textile printing is considered as one of the important artistic fields, which can contribute directly in the continuous interaction with society. It is considered to be one of the most important applied fields, which can offer useful products with exceptional aesthetic value. Therefore, it could be used as an essence for small projects, which contribute in developing the society and reduce unemployment, which will have in return a positive impact on the society in general.

The research aims at measuring the success of the printed models, using lace fabrics, according to the specialists. Furthermore, it also aims to take advantage of the search results in prepare, qualify and train the students of the Fourth Year, in order to meet the requirements of labor market, and to find new fine artistic solutions to ornament clothes, using lace fabrics in manual printing, in a way suitable for the field of small industries.

The study has concluded that the pieces, produced by the use of lace fabrics in the development of printed designs as an experimental entrance to manual printing

in order to serve small industries, have achieved a degree of acceptance and success, in light of the specialists' evaluation averages, concerning the following axes: the basics of design, the creative aspect, the aesthetic aspect and the possibility of producing and marketing the product; i.e., the pieces, produced by the use of lace fabrics in the development of printed designs as an experimental entrance to manual printing in order to serve small industries, have achieved a degree of acceptance and success, in light of the specialists' evaluation averages to the evaluation axes (as a whole).

Moreover, the pieces, produced by the use of lace fabrics in the development of printed designs as an experimental entrance to manual printing in order to serve small industries, have also achieved a degree of acceptance and success, in light of the consumers' evaluation averages to the evaluation elements. Therefore, there is a correlation between the order of the specialists and the consumers, regarding the pieces, produced by the use of Guipure in the development of printed designs as an experimental entrance to manual printing in order to serve small industries, which have achieved a degree of acceptance and success, in light of their evaluation averages.

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| 2.8   | 2.8   | 2.9   | 2.8   | 2.8   | 3     | 2.9   | 2.8   | 3     | 2.9   | 3     | 2.9   |   |
| 2.8   | 2.8   | 3     | 2.8   | 2.8   | 3     | 2.9   | 2.8   | 3     | 2.8   | 3     | 2.8   |   |
| 2.8   | 2.8   | 2.9   | 2.8   | 2.8   | 2.9   | 2.9   | 2.9   | 3     | 2.9   | 2.9   | 2.9   |   |
| 2.8   | 2.7   | 2.9   | 2.8   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |   |
| 2.7   | 2.7   | 2.9   | 2.8   | 2.8   | 2.9   | 2.9   | 2.8   | 3     | 2.9   | 3     | 2.8   |   |
| 13.9  | 13.8  | 14.6  | 14    | 14.1  | 14.7  | 14.5  | 14.2  | 14.9  | 14.4  | 14.8  | 14.3  |   |
| 92.67 | 92.00 | 97.33 | 93.33 | 94.00 | 98.00 | 96.67 | 94.67 | 99.33 | 96.00 | 98.67 | 95.33 |   |

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| 2.8   | 2.8   | 2.9   | 2.8   | 2.8   | 2.9   | 2.9   | 2.9   | 3     | 2.8   | 2.9   | 2.8   |   |
| 2.8   | 2.6   | 2.8   | 2.7   | 2.7   | 2.9   | 2.9   | 2.9   | 3     | 2.7   | 2.9   | 2.6   |   |
| 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 3     | 2.8   | 2.8   | 2.8   |   |
| 2.7   | 2.5   | 2.7   | 2.7   | 2.5   | 2.7   | 2.7   | 2.8   | 2.9   | 2.6   | 2.8   | 2.5   |   |
| 2.7   | 2.6   | 2.7   | 2.7   | 2.7   | 2.7   | 2.9   | 2.9   | 3     | 2.7   | 2.9   | 2.7   |   |
| 13.8  | 13.3  | 13.9  | 13.7  | 13.5  | 14    | 14.2  | 14.3  | 14.9  | 13.6  | 14.3  | 13.4  |   |
| 92.00 | 88.67 | 92.67 | 91.33 | 90.00 | 93.33 | 94.67 | 95.33 | 99.33 | 90.67 | 95.33 | 89.33 |   |

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| 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 3     | 2.9   | 2.9   | 3     | 2.9   | 3     | 2.9   |   |
| 2.9   | 2.8   | 2.9   | 2.8   | 2.9   | 3     | 2.9   | 2.9   | 2.9   | 2.8   | 3     | 2.8   |   |
| 2.8   | 2.7   | 2.9   | 2.7   | 2.8   | 2.9   | 2.9   | 2.8   | 2.9   | 2.8   | 2.9   | 2.7   |   |
| 2.9   | 2.7   | 2.9   | 2.8   | 2.8   | 2.9   | 2.9   | 2.8   | 2.9   | 2.8   | 3     | 2.7   |   |
| 3     | 2.8   | 3     | 2.9   | 3     | 3     | 3     | 2.9   | 3     | 2.9   | 3     | 2.9   | . |
| 14.5  | 13.9  | 14.6  | 14.1  | 14.4  | 14.8  | 14.6  | 14.3  | 14.7  | 14.2  | 14.9  | 14    |   |
| 96.67 | 92.67 | 97.33 | 94.00 | 96.00 | 98.67 | 97.33 | 95.33 | 98.00 | 94.67 | 99.33 | 93.33 |   |

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| 2.8   | 2.8   | 3     | 2.8   | 2.8   | 3     | 2.8   | 2.9   | 2.9   | 2.8   | 2.8   | 2.8   |   |
| 2.8   | 2.7   | 3     | 2.6   | 2.8   | 2.9   | 2.8   | 2.9   | 2.9   | 2.8   | 2.8   | 2.8   |   |
| 2.8   | 2.8   | 3     | 2.8   | 3     | 2.9   | 3     | 2.9   | 2.9   | 3     | 3     | 2.8   |   |
| 2.9   | 2.8   | 2.9   | 2.8   | 2.9   | 3     | 2.9   | 2.9   | 2.8   | 3     | 3     | 2.8   |   |
| 2.8   | 2.7   | 3     | 2.7   | 2.8   | 3     | 2.9   | 3     | 2.9   | 2.9   | 3     | 2.7   |   |
| 14.1  | 13.8  | 14.9  | 13.7  | 14.3  | 14.8  | 14.4  | 14.6  | 14.4  | 14.5  | 14.6  | 13.9  |   |
| 94.00 | 92.00 | 99.33 | 91.33 | 95.33 | 98.67 | 96.00 | 97.33 | 96.00 | 96.67 | 97.33 | 92.67 |   |

| <b>12</b> | <b>11</b> | <b>10</b> | <b>9</b> | <b>8</b> | <b>7</b> | <b>6</b> | <b>5</b> | <b>4</b> | <b>3</b> | <b>2</b> | <b>1</b> |
|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2.90      | 2.83      | 2.93      | 2.83     | 2.87     | 3.00     | 2.90     | 2.87     | 2.93     | 2.87     | 3.00     | 2.83     |
| 2.93      | 2.9       | 2.93      | 2.93     | 2.93     | 2.97     | 2.93     | 2.93     | 2.97     | 2.93     | 2.97     | 2.9      |
| 2.93      | 2.9       | 2.93      | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 3        | 2.9      |
| 2.83      | 2.8       | 2.87      | 2.8      | 2.8      | 2.9      | 2.83     | 2.8      | 2.87     | 2.8      | 2.9      | 2.8      |
| 2.97      | 2.93      | 2.97      | 2.93     | 2.8      | 2.97     | 2.97     | 2.97     | 2.97     | 2.93     | 3        | 2.93     |
| 2.97      | 2.97      | 2.97      | 2.97     | 2.97     | 2.97     | 2.97     | 2.97     | 2.97     | 2.97     | 2.97     | 2.97     |
| 2.93      | 2.93      | 2.93      | 2.93     | 2.97     | 2.97     | 2.93     | 2.93     | 2.97     | 2.93     | 2.97     | 2.93     |
| 2.93      | 2.83      | 2.97      | 2.83     | 2.93     | 2.97     | 2.97     | 2.87     | 2.97     | 2.87     | 2.97     | 2.83     |
| 2.93      | 2.93      | 2.93      | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 2.93     | 2.97     | 2.93     |
| 2.9       | 2.9       | 2.93      | 2.9      | 2.9      | 2.93     | 2.93     | 2.9      | 2.93     | 2.9      | 2.97     | 2.9      |
| 29.22     | 28.92     | 29.36     | 28.98    | 29.03    | 29.54    | 29.29    | 29.10    | 29.44    | 29.06    | 29.72    | 28.92    |
| 97.40     | 96.41     | 97.88     | 96.61    | 96.76    | 98.47    | 97.63    | 96.99    | 98.14    | 96.86    | 99.07    | 96.41    |