

TABLE 1.COMPUTE MANHATTAN DISTANCE FOR ARABIC LETTERS IN MOBILE'S KEYBOARD

| | ا | ب | ت | ث | ج | ح | خ | د | ذ | ر | ز | س | ش | ص | ض | ط | ظ | ع | غ | ف | ق | ك | ل | م | ن | ه | و | ي | ة | ى | أ | إ | آ | ء | أ | ئ |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ا | 1.00 | 0.83 | 0.92 | 0.75 | 0.58 | 0.67 | 0.75 | 0.75 | 0.67 | 0.92 | 0.83 | 0.67 | 0.58 | 0.58 | 0.50 | 0.58 | 0.50 | 0.92 | 0.83 | 0.75 | 0.67 | 0.67 | 0.92 | 0.75 | 0.83 | 0.83 | 0.83 | 0.75 | 0.67 | 0.75 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| ب | 0.83 | 1.00 | 0.75 | 0.58 | 0.42 | 0.50 | 0.58 | 0.92 | 0.83 | 0.75 | 0.83 | 0.83 | 0.75 | 0.75 | 0.67 | 0.75 | 0.67 | 0.75 | 0.83 | 0.92 | 0.83 | 0.50 | 0.92 | 0.58 | 0.67 | 0.67 | 0.67 | 0.92 | 0.50 | 0.92 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.92 |
| ت | 0.92 | 0.75 | 1.00 | 0.83 | 0.67 | 0.75 | 0.83 | 0.67 | 0.58 | 0.83 | 0.75 | 0.58 | 0.50 | 0.50 | 0.42 | 0.50 | 0.42 | 0.83 | 0.75 | 0.67 | 0.58 | 0.75 | 0.83 | 0.83 | 0.92 | 0.92 | 0.92 | 0.67 | 0.75 | 0.67 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.67 |
| ث | 0.75 | 0.58 | 0.83 | 1.00 | 0.67 | 0.75 | 0.83 | 0.67 | 0.58 | 0.83 | 0.75 | 0.42 | 0.33 | 0.33 | 0.25 | 0.50 | 0.42 | 0.67 | 0.58 | 0.50 | 0.42 | 0.75 | 0.67 | 0.83 | 0.92 | 0.75 | 0.92 | 0.50 | 0.92 | 0.50 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.50 |
| ج | 0.58 | 0.42 | 0.67 | 0.67 | 1.00 | 0.92 | 0.83 | 0.33 | 0.25 | 0.50 | 0.42 | 0.25 | 0.17 | 0.33 | 0.25 | 0.17 | 0.08 | 0.67 | 0.58 | 0.50 | 0.42 | 0.92 | 0.50 | 0.83 | 0.75 | 0.75 | 0.58 | 0.33 | 0.75 | 0.33 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.33 |
| ح | 0.67 | 0.50 | 0.75 | 0.75 | 0.92 | 1.00 | 0.92 | 0.42 | 0.33 | 0.58 | 0.50 | 0.33 | 0.25 | 0.42 | 0.33 | 0.25 | 0.17 | 0.75 | 0.67 | 0.58 | 0.50 | 0.83 | 0.58 | 0.92 | 0.83 | 0.83 | 0.67 | 0.42 | 0.83 | 0.42 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.42 |
| خ | 0.75 | 0.58 | 0.83 | 0.83 | 0.83 | 0.92 | 1.00 | 0.50 | 0.42 | 0.67 | 0.58 | 0.42 | 0.33 | 0.50 | 0.42 | 0.33 | 0.25 | 0.83 | 0.75 | 0.67 | 0.58 | 0.75 | 0.67 | 0.83 | 0.92 | 0.92 | 0.75 | 0.50 | 0.75 | 0.50 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.50 |
| د | 0.75 | 0.92 | 0.67 | 0.67 | 0.33 | 0.42 | 0.50 | 1.00 | 0.92 | 0.83 | 0.92 | 0.75 | 0.67 | 0.67 | 0.58 | 0.83 | 0.75 | 0.67 | 0.75 | 0.83 | 0.75 | 0.42 | 0.83 | 0.50 | 0.58 | 0.58 | 0.75 | 0.83 | 0.58 | 0.83 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.83 |
| ذ | 0.67 | 0.83 | 0.58 | 0.58 | 0.25 | 0.33 | 0.42 | 0.92 | 1.00 | 0.75 | 0.83 | 0.83 | 0.75 | 0.75 | 0.67 | 0.92 | 0.83 | 0.58 | 0.67 | 0.75 | 0.83 | 0.33 | 0.75 | 0.42 | 0.50 | 0.50 | 0.67 | 0.92 | 0.50 | 0.92 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.92 |
| ر | 0.92 | 0.75 | 0.83 | 0.83 | 0.50 | 0.58 | 0.67 | 0.83 | 0.75 | 1.00 | 0.92 | 0.58 | 0.50 | 0.50 | 0.42 | 0.67 | 0.58 | 0.83 | 0.75 | 0.67 | 0.58 | 0.58 | 0.83 | 0.67 | 0.75 | 0.75 | 0.92 | 0.67 | 0.75 | 0.67 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.67 |
| ز | 0.83 | 0.83 | 0.75 | 0.75 | 0.42 | 0.50 | 0.58 | 0.92 | 0.83 | 0.92 | 1.00 | 0.67 | 0.58 | 0.58 | 0.50 | 0.75 | 0.67 | 0.75 | 0.83 | 0.75 | 0.67 | 0.50 | 0.92 | 0.58 | 0.67 | 0.67 | 0.83 | 0.75 | 0.67 | 0.75 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.75 |
| س | 0.67 | 0.83 | 0.58 | 0.42 | 0.25 | 0.33 | 0.42 | 0.75 | 0.83 | 0.58 | 0.67 | 1.00 | 0.92 | 0.92 | 0.83 | 0.92 | 0.83 | 0.58 | 0.67 | 0.75 | 0.83 | 0.33 | 0.75 | 0.42 | 0.50 | 0.50 | 0.92 | 0.33 | 0.92 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.92 |
| ش | 0.58 | 0.75 | 0.50 | 0.33 | 0.17 | 0.25 | 0.33 | 0.67 | 0.75 | 0.50 | 0.58 | 0.92 | 1.00 | 0.83 | 0.92 | 0.83 | 0.92 | 0.50 | 0.58 | 0.67 | 0.75 | 0.25 | 0.67 | 0.33 | 0.42 | 0.42 | 0.42 | 0.83 | 0.25 | 0.83 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.83 |
| ص | 0.58 | 0.75 | 0.50 | 0.33 | 0.33 | 0.42 | 0.50 | 0.67 | 0.75 | 0.50 | 0.58 | 0.92 | 0.83 | 1.00 | 0.92 | 0.83 | 0.75 | 0.67 | 0.75 | 0.83 | 0.92 | 0.25 | 0.67 | 0.33 | 0.42 | 0.58 | 0.42 | 0.83 | 0.25 | 0.83 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.83 |

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|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| ض | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ط | 50 | 67 | 42 | 25 | 25 | 33 | 42 | 58 | 67 | 42 | 50 | 83 | 92 | 92 | 00 | 75 | 83 | 58 | 67 | 75 | 83 | 17 | 58 | 25 | 33 | 50 | 33 | 75 | 17 | 75 | 50 | 50 | 50 | 50 | 75 |
| ظ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ع | 50 | 67 | 42 | 42 | 08 | 17 | 25 | 75 | 83 | 58 | 67 | 83 | 92 | 75 | 83 | 92 | 00 | 42 | 50 | 58 | 67 | 17 | 58 | 25 | 33 | 33 | 50 | 75 | 33 | 75 | 50 | 50 | 50 | 50 | 75 |
| غ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ف | 83 | 83 | 75 | 58 | 58 | 67 | 75 | 75 | 67 | 75 | 83 | 67 | 58 | 75 | 67 | 58 | 50 | 92 | 00 | 92 | 83 | 50 | 92 | 58 | 67 | 83 | 67 | 75 | 50 | 75 | 83 | 83 | 83 | 83 | 75 |
| ق | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ك | 75 | 92 | 67 | 50 | 50 | 58 | 67 | 83 | 75 | 67 | 75 | 75 | 67 | 83 | 75 | 67 | 58 | 83 | 92 | 00 | 92 | 42 | 83 | 50 | 58 | 75 | 58 | 83 | 42 | 83 | 75 | 75 | 75 | 75 | 83 |
| ل | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| م | 67 | 83 | 58 | 42 | 42 | 50 | 58 | 75 | 83 | 58 | 67 | 83 | 75 | 92 | 83 | 75 | 67 | 75 | 83 | 92 | 00 | 33 | 75 | 42 | 50 | 67 | 50 | 92 | 33 | 92 | 67 | 67 | 67 | 67 | 92 |
| ن | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| هـ | 67 | 50 | 75 | 75 | 92 | 83 | 75 | 42 | 33 | 58 | 50 | 33 | 25 | 25 | 17 | 25 | 17 | 58 | 50 | 42 | 33 | 00 | 58 | 92 | 83 | 67 | 67 | 42 | 83 | 42 | 67 | 67 | 67 | 42 | |
| و | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ي | 83 | 83 | 75 | 58 | 58 | 67 | 75 | 75 | 67 | 75 | 83 | 67 | 58 | 75 | 67 | 58 | 50 | 92 | 00 | 92 | 83 | 50 | 92 | 58 | 67 | 83 | 67 | 75 | 50 | 75 | 83 | 83 | 83 | 83 | 75 |
| ة | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| ى | 67 | 50 | 75 | 92 | 75 | 83 | 75 | 58 | 50 | 75 | 67 | 33 | 25 | 25 | 17 | 42 | 33 | 58 | 50 | 42 | 33 | 83 | 58 | 92 | 83 | 67 | 83 | 42 | 00 | 42 | 67 | 67 | 67 | 42 | |
| | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. | 0. | 1. | 0. | 0. | 0. | 0. | 1. | |
| | 75 | 92 | 67 | 50 | 33 | 42 | 50 | 83 | 92 | 67 | 75 | 92 | 83 | 83 | 75 | 83 | 75 | 67 | 75 | 83 | 92 | 42 | 83 | 50 | 58 | 58 | 58 | 00 | 42 | 00 | 75 | 75 | 75 | 00 | |

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|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| د | 0.81 | 0.92 | 0.74 | 0.67 | 0.47 | 0.55 | 0.63 | 1.00 | 0.92 | 0.83 | 0.92 | 0.81 | 0.74 | 0.76 | 0.70 | 0.83 | 0.75 | 0.76 | 0.81 | 0.83 | 0.81 | 0.49 | 0.88 | 0.58 | 0.66 | 0.70 | 0.75 | 0.88 | 0.58 | 0.88 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.88 |
| ذ | 0.74 | 0.88 | 0.66 | 0.58 | 0.39 | 0.47 | 0.55 | 0.92 | 0.00 | 0.75 | 0.83 | 0.88 | 0.81 | 0.81 | 0.76 | 0.92 | 0.83 | 0.70 | 0.76 | 0.81 | 0.83 | 0.41 | 0.81 | 0.49 | 0.58 | 0.63 | 0.67 | 0.92 | 0.50 | 0.92 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.92 |
| ر | 0.92 | 0.81 | 0.88 | 0.83 | 0.63 | 0.70 | 0.76 | 0.83 | 0.75 | 0.00 | 0.92 | 0.66 | 0.58 | 0.63 | 0.55 | 0.67 | 0.58 | 0.83 | 0.81 | 0.76 | 0.70 | 0.66 | 0.88 | 0.74 | 0.81 | 0.81 | 0.92 | 0.74 | 0.75 | 0.74 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.74 |
| ز | 0.88 | 0.88 | 0.81 | 0.75 | 0.55 | 0.63 | 0.70 | 0.92 | 0.83 | 0.92 | 0.00 | 0.74 | 0.66 | 0.70 | 0.63 | 0.75 | 0.67 | 0.81 | 0.83 | 0.81 | 0.76 | 0.58 | 0.92 | 0.66 | 0.74 | 0.76 | 0.83 | 0.81 | 0.67 | 0.81 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.81 |
| س | 0.67 | 0.83 | 0.58 | 0.49 | 0.33 | 0.41 | 0.49 | 0.81 | 0.88 | 0.66 | 0.74 | 0.00 | 0.92 | 0.92 | 0.88 | 0.92 | 0.88 | 0.66 | 0.74 | 0.81 | 0.88 | 0.33 | 0.75 | 0.42 | 0.50 | 0.58 | 0.58 | 0.92 | 0.41 | 0.92 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.92 | |
| ش | 0.58 | 0.75 | 0.50 | 0.41 | 0.25 | 0.33 | 0.41 | 0.74 | 0.81 | 0.58 | 0.66 | 0.92 | 0.00 | 0.88 | 0.92 | 0.88 | 0.92 | 0.58 | 0.66 | 0.74 | 0.81 | 0.25 | 0.67 | 0.33 | 0.42 | 0.49 | 0.49 | 0.83 | 0.33 | 0.83 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.83 | |
| ص | 0.66 | 0.81 | 0.58 | 0.47 | 0.33 | 0.42 | 0.50 | 0.76 | 0.81 | 0.63 | 0.70 | 0.92 | 0.88 | 0.00 | 0.92 | 0.83 | 0.81 | 0.67 | 0.75 | 0.83 | 0.92 | 0.33 | 0.74 | 0.41 | 0.49 | 0.58 | 0.55 | 0.88 | 0.39 | 0.88 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.88 | |
| ض | 0.58 | 0.74 | 0.49 | 0.39 | 0.25 | 0.33 | 0.42 | 0.70 | 0.76 | 0.55 | 0.63 | 0.88 | 0.92 | 0.92 | 0.00 | 0.81 | 0.83 | 0.58 | 0.67 | 0.75 | 0.83 | 0.25 | 0.66 | 0.33 | 0.41 | 0.50 | 0.47 | 0.81 | 0.31 | 0.81 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.81 | |
| ط | 0.66 | 0.81 | 0.58 | 0.50 | 0.31 | 0.39 | 0.47 | 0.83 | 0.92 | 0.67 | 0.75 | 0.92 | 0.88 | 0.83 | 0.81 | 0.00 | 0.92 | 0.63 | 0.70 | 0.76 | 0.81 | 0.33 | 0.74 | 0.41 | 0.49 | 0.55 | 0.58 | 0.88 | 0.42 | 0.88 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.88 | |
| ظ | 0.58 | 0.74 | 0.49 | 0.42 | 0.23 | 0.31 | 0.39 | 0.75 | 0.83 | 0.58 | 0.67 | 0.88 | 0.92 | 0.81 | 0.83 | 0.92 | 0.00 | 0.55 | 0.63 | 0.70 | 0.76 | 0.25 | 0.66 | 0.33 | 0.41 | 0.47 | 0.50 | 0.81 | 0.33 | 0.81 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.81 | |
| ع | 0.92 | 0.81 | 0.88 | 0.76 | 0.67 | 0.75 | 0.83 | 0.76 | 0.70 | 0.83 | 0.81 | 0.66 | 0.58 | 0.67 | 0.58 | 0.63 | 0.55 | 0.00 | 0.92 | 0.83 | 0.75 | 0.66 | 0.88 | 0.74 | 0.81 | 0.92 | 0.81 | 0.74 | 0.70 | 0.74 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.74 | |
| غ | 0.88 | 0.88 | 0.81 | 0.70 | 0.58 | 0.67 | 0.75 | 0.81 | 0.76 | 0.81 | 0.83 | 0.74 | 0.66 | 0.75 | 0.67 | 0.70 | 0.63 | 0.92 | 0.00 | 0.92 | 0.83 | 0.58 | 0.92 | 0.66 | 0.74 | 0.83 | 0.76 | 0.81 | 0.63 | 0.81 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.81 | |
| ف | 0.81 | 0.92 | 0.74 | 0.63 | 0.50 | 0.58 | 0.67 | 0.83 | 0.81 | 0.76 | 0.81 | 0.81 | 0.74 | 0.83 | 0.75 | 0.76 | 0.70 | 0.83 | 0.92 | 0.00 | 0.92 | 0.49 | 0.88 | 0.58 | 0.66 | 0.75 | 0.70 | 0.88 | 0.55 | 0.88 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.88 | |
| ق | 0.74 | 0.88 | 0.66 | 0.55 | 0.42 | 0.50 | 0.58 | 0.81 | 0.83 | 0.70 | 0.76 | 0.88 | 0.81 | 0.92 | 0.83 | 0.81 | 0.76 | 0.75 | 0.83 | 0.92 | 0.00 | 0.41 | 0.81 | 0.49 | 0.58 | 0.67 | 0.63 | 0.92 | 0.47 | 0.92 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.92 | |
| ك | 0.67 | 0.50 | 0.75 | 0.81 | 0.92 | 0.88 | 0.81 | 0.49 | 0.41 | 0.66 | 0.58 | 0.33 | 0.25 | 0.33 | 0.25 | 0.33 | 0.25 | 0.66 | 0.58 | 0.49 | 0.41 | 0.00 | 0.58 | 0.92 | 0.83 | 0.74 | 0.74 | 0.42 | 0.88 | 0.42 | 0.67 | 0.67 | 0.67 | 0.67 | 0.42 | | |
| ل | 0.92 | 0.92 | 0.83 | 0.74 | 0.58 | 0.66 | 0.74 | 0.88 | 0.81 | 0.88 | 0.92 | 0.75 | 0.67 | 0.74 | 0.66 | 0.74 | 0.66 | 0.88 | 0.92 | 0.88 | 0.81 | 0.58 | 0.00 | 0.67 | 0.75 | 0.81 | 0.81 | 0.83 | 0.66 | 0.83 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.83 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| م | 0.75 | 0.58 | 0.83 | 0.88 | 0.88 | 0.92 | 0.88 | 0.58 | 0.49 | 0.74 | 0.66 | 0.42 | 0.33 | 0.41 | 0.33 | 0.41 | 0.33 | 0.74 | 0.66 | 0.58 | 0.49 | 0.92 | 0.67 | 1.00 | 0.92 | 0.81 | 0.81 | 0.50 | 0.92 | 0.50 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.50 |
| ن | 0.83 | 0.67 | 0.92 | 0.92 | 0.81 | 0.88 | 0.92 | 0.66 | 0.58 | 0.81 | 0.74 | 0.50 | 0.42 | 0.49 | 0.41 | 0.49 | 0.41 | 0.81 | 0.74 | 0.66 | 0.58 | 0.83 | 0.75 | 0.92 | 0.00 | 0.88 | 0.88 | 0.58 | 0.88 | 0.58 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.58 |
| هـ | 0.88 | 0.74 | 0.92 | 0.81 | 0.75 | 0.83 | 0.92 | 0.70 | 0.63 | 0.81 | 0.76 | 0.58 | 0.49 | 0.58 | 0.50 | 0.55 | 0.47 | 0.92 | 0.83 | 0.75 | 0.67 | 0.74 | 0.81 | 0.81 | 0.88 | 0.00 | 0.83 | 0.66 | 0.76 | 0.66 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.66 |
| و | 0.88 | 0.74 | 0.92 | 0.92 | 0.70 | 0.76 | 0.81 | 0.75 | 0.67 | 0.92 | 0.83 | 0.58 | 0.49 | 0.55 | 0.47 | 0.58 | 0.50 | 0.81 | 0.76 | 0.70 | 0.63 | 0.74 | 0.81 | 0.81 | 0.88 | 0.83 | 0.00 | 0.66 | 0.83 | 0.66 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.66 |
| ي | 0.75 | 0.92 | 0.67 | 0.58 | 0.41 | 0.49 | 0.58 | 0.88 | 0.92 | 0.74 | 0.81 | 0.92 | 0.83 | 0.88 | 0.81 | 0.88 | 0.81 | 0.74 | 0.81 | 0.88 | 0.92 | 0.42 | 0.83 | 0.50 | 0.58 | 0.66 | 0.66 | 0.00 | 0.49 | 0.00 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.00 |
| ة | 0.74 | 0.58 | 0.81 | 0.92 | 0.81 | 0.83 | 0.81 | 0.58 | 0.50 | 0.75 | 0.67 | 0.41 | 0.33 | 0.39 | 0.31 | 0.42 | 0.33 | 0.70 | 0.63 | 0.55 | 0.47 | 0.88 | 0.66 | 0.92 | 0.88 | 0.76 | 0.83 | 0.49 | 0.00 | 0.49 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.49 |
| ى | 0.75 | 0.92 | 0.67 | 0.58 | 0.41 | 0.49 | 0.58 | 0.88 | 0.92 | 0.74 | 0.81 | 0.92 | 0.83 | 0.88 | 0.81 | 0.88 | 0.81 | 0.74 | 0.81 | 0.88 | 0.92 | 0.42 | 0.83 | 0.50 | 0.58 | 0.66 | 0.66 | 0.00 | 0.49 | 0.00 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.00 |
| أ | 1.00 | 0.83 | 0.92 | 0.81 | 0.66 | 0.74 | 0.81 | 0.81 | 0.74 | 0.92 | 0.88 | 0.67 | 0.58 | 0.66 | 0.58 | 0.66 | 0.58 | 0.92 | 0.88 | 0.81 | 0.74 | 0.67 | 0.92 | 0.75 | 0.83 | 0.88 | 0.88 | 0.75 | 0.74 | 0.75 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| إ | 1.00 | 0.83 | 0.92 | 0.81 | 0.66 | 0.74 | 0.81 | 0.81 | 0.74 | 0.92 | 0.88 | 0.67 | 0.58 | 0.66 | 0.58 | 0.66 | 0.58 | 0.92 | 0.88 | 0.81 | 0.74 | 0.67 | 0.92 | 0.75 | 0.83 | 0.88 | 0.88 | 0.75 | 0.74 | 0.75 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| آ | 1.00 | 0.83 | 0.92 | 0.81 | 0.66 | 0.74 | 0.81 | 0.81 | 0.74 | 0.92 | 0.88 | 0.67 | 0.58 | 0.66 | 0.58 | 0.66 | 0.58 | 0.92 | 0.88 | 0.81 | 0.74 | 0.67 | 0.92 | 0.75 | 0.83 | 0.88 | 0.88 | 0.75 | 0.74 | 0.75 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| ء | 1.00 | 0.83 | 0.92 | 0.81 | 0.66 | 0.74 | 0.81 | 0.81 | 0.74 | 0.92 | 0.88 | 0.67 | 0.58 | 0.66 | 0.58 | 0.66 | 0.58 | 0.92 | 0.88 | 0.81 | 0.74 | 0.67 | 0.92 | 0.75 | 0.83 | 0.88 | 0.88 | 0.75 | 0.74 | 0.75 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| أ | 1.00 | 0.83 | 0.92 | 0.81 | 0.66 | 0.74 | 0.81 | 0.81 | 0.74 | 0.92 | 0.88 | 0.67 | 0.58 | 0.66 | 0.58 | 0.66 | 0.58 | 0.92 | 0.88 | 0.81 | 0.74 | 0.67 | 0.92 | 0.75 | 0.83 | 0.88 | 0.88 | 0.75 | 0.74 | 0.75 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 |
| ئ | 0.75 | 0.92 | 0.67 | 0.58 | 0.41 | 0.49 | 0.58 | 0.88 | 0.92 | 0.74 | 0.81 | 0.92 | 0.83 | 0.88 | 0.81 | 0.88 | 0.81 | 0.74 | 0.81 | 0.88 | 0.92 | 0.42 | 0.83 | 0.50 | 0.58 | 0.66 | 0.66 | 0.00 | 0.49 | 0.00 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.00 |