augmentedRCBD

# Details

| Item | Details |
| --- | --- |
| Number of blocks | 3 |
| Number of treatments | 31 |
| Number of check treatments | 2 |
| Number of test treatments | 29 |
| Check treatments | Check 1, Check 2 |

# ANOVA, Treatment Adjusted

| **Source** | **Df** | **Sum Sq** | **Mean Sq** | **F value** | **Pr(>F)** |
| --- | --- | --- | --- | --- | --- |
| Block (ignoring Treatments) | 2 | 41.43 | 20.72 | 12.58 | 0.07 |
| Treatment (eliminating Blocks) | 30 | 595.04 | 19.83 | 12.04 | 0.08 |
| Treatment: Check | 1 | 71.35 | 71.35 | 43.32 | 0.02 |
| Treatment: Test and Test vs. Check | 29 | 523.69 | 18.06 | 10.96 | 0.09 |
| Residuals | 2 | 3.29 | 1.65 |  |  |

# ANOVA, Block Adjusted

| **Source** | **Df** | **Sum Sq** | **Mean Sq** | **F value** | **Pr(>F)** |
| --- | --- | --- | --- | --- | --- |
| Treatment (ignoring Blocks) | 30 | 633.18 | 21.11 | 12.81 | 0.07 |
| Treatment: Check | 1 | 71.35 | 71.35 | 43.32 | 0.02 |
| Treatment: Test | 28 | 493.34 | 17.62 | 10.7 | 0.09 |
| Treatment: Test vs. Check | 1 | 68.49 | 68.49 | 41.58 | 0.02 |
| Block (eliminating Treatments) | 2 | 3.29 | 1.65 | 1 | 0.5 |
| Residuals | 2 | 3.29 | 1.65 |  |  |

# Standard Errors and Critical Differences

| **Comparison** | **Std. Error of Diff.** | **CD (5%)** | **Tukey HSD (5%)** |
| --- | --- | --- | --- |
| Control Treatment Means | 1.05 | 4.51 | 13.61 |
| Two Test Treatments (Same Block) | 1.82 | 7.81 | 23.57 |
| Two Test Treatments (Different Blocks) | 2.22 | 9.56 | 28.87 |
| A Test Treatment and a Control Treatment | 1.82 | 7.81 | 16.67 |

# Overall Adjusted Mean

27.36

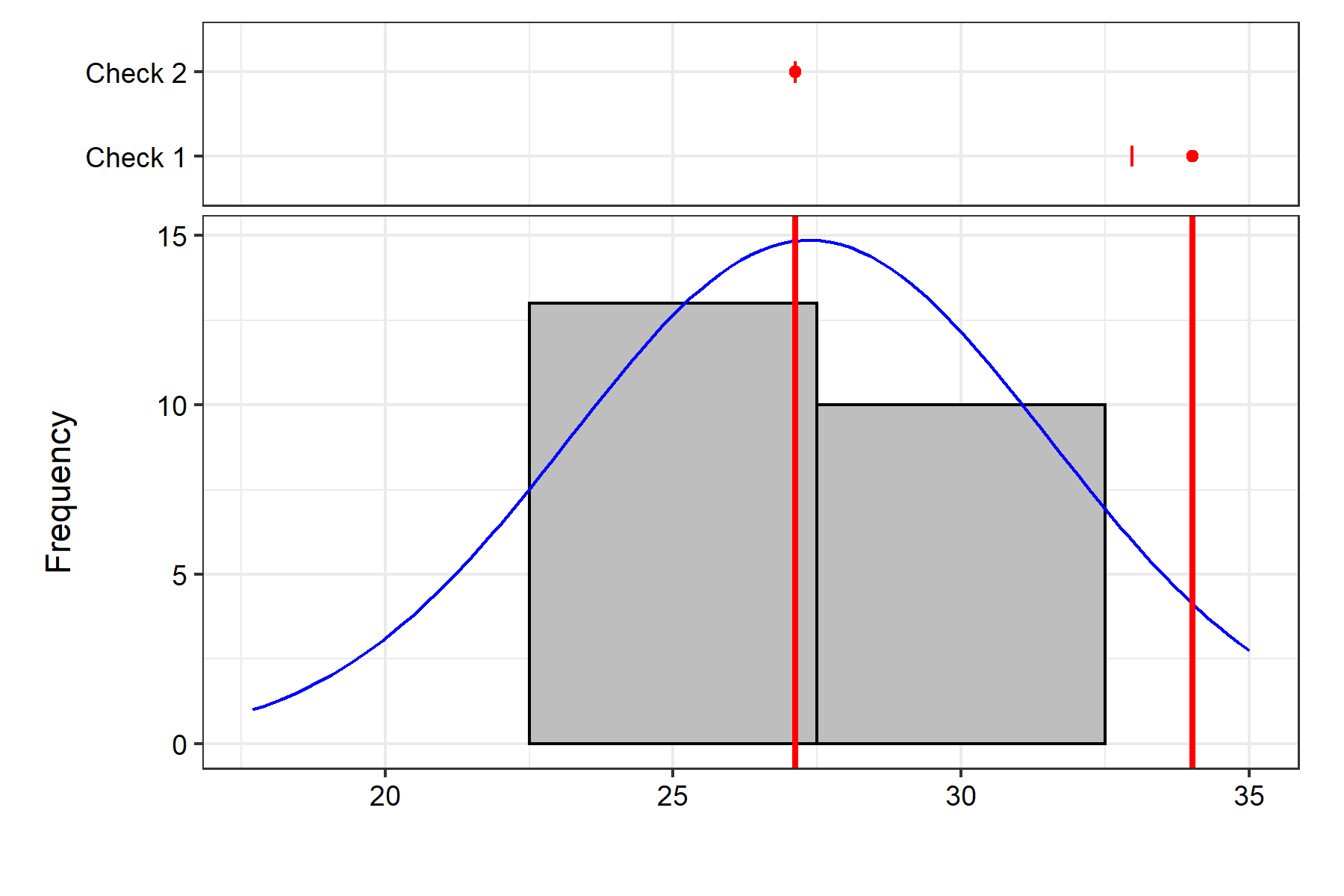
# Coefficient of Variation

4.67

# Means

| **Treatment** | **Block** | **Means** | **SE** | **r** | **Min** | **Max** | **Adjusted Means** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AKI 3-P2 | 2 | 33.46 |  | 1 | 33.46 | 33.46 | 33.46 |
| AKN 1-P1 | 1 | 28.77 |  | 1 | 28.77 | 28.77 | 29.68 |
| AKN 1-P5 | 1 | 24.05 |  | 1 | 24.05 | 24.05 | 24.96 |
| AKN 2-P2 | 2 | 24.9 |  | 1 | 24.9 | 24.9 | 24.9 |
| AKN 2-P3 | 2 | 17.7 |  | 1 | 17.7 | 17.7 | 17.7 |
| AKN 2-P5 | 2 | 29.6 |  | 1 | 29.6 | 29.6 | 29.6 |
| Check 1 |  | 34.02 | 1.05 | 3 | 32.2 | 35.83 | 34.02 |
| Check 2 |  | 27.12 | 0 | 3 | 27.12 | 27.12 | 27.12 |
| EE 1-P1 | 2 | 27 |  | 1 | 27 | 27 | 27 |
| EE 1-P2 | 2 | 24.5 |  | 1 | 24.5 | 24.5 | 24.5 |
| EE 1-P3 | 1 | 23.68 |  | 1 | 23.68 | 23.68 | 24.59 |
| EE 1-P4 | 3 | 29.2 |  | 1 | 29.2 | 29.2 | 28.29 |
| EE 1-P6-1 | 2 | 33 |  | 1 | 33 | 33 | 33 |
| EE 1-P6-2 | 2 | 35 |  | 1 | 35 | 35 | 35 |
| EE 4-P1 | 2 | 20.6 |  | 1 | 20.6 | 20.6 | 20.6 |
| EE 4-P2 | 1 | 25.35 |  | 1 | 25.35 | 25.35 | 26.26 |
| EE 4-P4 | 1 | 31.52 |  | 1 | 31.52 | 31.52 | 32.43 |
| EE 4-P5 | 1 | 28.58 |  | 1 | 28.58 | 28.58 | 29.49 |
| EE 4-P6 | 2 | 29.28 |  | 1 | 29.28 | 29.28 | 29.28 |
| EE 5-P1 | 1 | 28.36 |  | 1 | 28.36 | 28.36 | 29.27 |
| EE 5-P3 | 3 | 28.34 |  | 1 | 28.34 | 28.34 | 27.43 |
| EE 5-P5 | 1 | 19.75 |  | 1 | 19.75 | 19.75 | 20.66 |
| EE 5-P6 | 1 | 21.53 |  | 1 | 21.53 | 21.53 | 22.44 |
| EE 5-P7 | 3 | 28.21 |  | 1 | 28.21 | 28.21 | 27.3 |
| EE 5-P8 | 2 | 26.8 |  | 1 | 26.8 | 26.8 | 26.8 |
| EE 5-P9 | 1 | 29.39 |  | 1 | 29.39 | 29.39 | 30.3 |
| IBI 2-P1 | 2 | 22.9 |  | 1 | 22.9 | 22.9 | 22.9 |
| IL 4-P25 | 2 | 26 |  | 1 | 26 | 26 | 26 |
| IS 1-P1 | 1 | 27.1 |  | 1 | 27.1 | 27.1 | 28.01 |
| ITU 2-P1 | 2 | 31.47 |  | 1 | 31.47 | 31.47 | 31.47 |
| ON 4-P26 | 1 | 22.8 |  | 1 | 22.8 | 22.8 | 23.71 |

# Frequency Distribution



| **Statistic** | **Value** |
| --- | --- |
| Count | 31 |
| Mean | 27.36 |
| Std.Error | 0.75 |
| Std.Deviation | 4.16 |
| Min | 17.7 |
| Max | 35 |
| Skewness | -0.2 ns |
| Kurtosis | 2.65 ns |

ns P > 0.05; \* P <= 0.05; \*\* P <= 0.01

| **Statistic** | **Value** |
| --- | --- |
| Mean | 27.36 |
| PV | 17.62 |
| GV | 15.97 |
| EV | 1.65 |
| GCV | 14.61 |
| GCV.category | Medium |
| PCV | 15.34 |
| PCV.category | Medium |
| ECV | 4.69 |
| hBS | 90.65 |
| hBS.category | High |
| GA | 7.85 |
| GAM | 28.69 |
| GAM.category | High |

# Comparisons

Comparison method: tukey

| **contrast** | **estimate** | **SE** | **df** | **t.ratio** | **p.value** | **sig** |
| --- | --- | --- | --- | --- | --- | --- |
| Check 1 - Check 2 | 6.9 | 1.05 | 2 | 6.58 | 0.18 |  |
| Check 1 - (AKI 3-P2) | 0.56 | 1.66 | 2 | 0.34 | 1 |  |
| Check 1 - (AKN 1-P1) | 4.34 | 1.66 | 2 | 2.62 | 0.69 |  |
| Check 1 - (AKN 1-P5) | 9.06 | 1.66 | 2 | 5.47 | 0.25 |  |
| Check 1 - (AKN 2-P2) | 9.12 | 1.66 | 2 | 5.5 | 0.25 |  |
| Check 1 - (AKN 2-P3) | 16.32 | 1.66 | 2 | 9.85 | 0.09 |  |
| Check 1 - (AKN 2-P5) | 4.42 | 1.66 | 2 | 2.67 | 0.68 |  |
| Check 1 - (EE 1-P1) | 7.02 | 1.66 | 2 | 4.24 | 0.38 |  |
| Check 1 - (EE 1-P2) | 9.52 | 1.66 | 2 | 5.74 | 0.23 |  |
| Check 1 - (EE 1-P3) | 9.43 | 1.66 | 2 | 5.69 | 0.23 |  |
| Check 1 - (EE 1-P4) | 5.72 | 1.66 | 2 | 3.45 | 0.5 |  |
| Check 1 - (EE 1-P6-1) | 1.02 | 1.66 | 2 | 0.61 | 1 |  |
| Check 1 - (EE 1-P6-2) | -0.98 | 1.66 | 2 | -0.59 | 1 |  |
| Check 1 - (EE 4-P1) | 13.42 | 1.66 | 2 | 8.1 | 0.12 |  |
| Check 1 - (EE 4-P2) | 7.76 | 1.66 | 2 | 4.68 | 0.32 |  |
| Check 1 - (EE 4-P4) | 1.59 | 1.66 | 2 | 0.96 | 1 |  |
| Check 1 - (EE 4-P5) | 4.53 | 1.66 | 2 | 2.73 | 0.67 |  |
| Check 1 - (EE 4-P6) | 4.74 | 1.66 | 2 | 2.86 | 0.63 |  |
| Check 1 - (EE 5-P1) | 4.75 | 1.66 | 2 | 2.87 | 0.63 |  |
| Check 1 - (EE 5-P3) | 6.58 | 1.66 | 2 | 3.97 | 0.41 |  |
| Check 1 - (EE 5-P5) | 13.36 | 1.66 | 2 | 8.06 | 0.12 |  |
| Check 1 - (EE 5-P6) | 11.58 | 1.66 | 2 | 6.99 | 0.16 |  |
| Check 1 - (EE 5-P7) | 6.71 | 1.66 | 2 | 4.05 | 0.4 |  |
| Check 1 - (EE 5-P8) | 7.22 | 1.66 | 2 | 4.36 | 0.36 |  |
| Check 1 - (EE 5-P9) | 3.72 | 1.66 | 2 | 2.24 | 0.79 |  |
| Check 1 - (IBI 2-P1) | 11.12 | 1.66 | 2 | 6.71 | 0.17 |  |
| Check 1 - (IL 4-P25) | 8.02 | 1.66 | 2 | 4.84 | 0.3 |  |
| Check 1 - (IS 1-P1) | 6.01 | 1.66 | 2 | 3.63 | 0.47 |  |
| Check 1 - (ITU 2-P1) | 2.55 | 1.66 | 2 | 1.54 | 0.96 |  |
| Check 1 - (ON 4-P26) | 10.31 | 1.66 | 2 | 6.22 | 0.2 |  |
| Check 2 - (AKI 3-P2) | -6.34 | 1.66 | 2 | -3.83 | 0.44 |  |
| Check 2 - (AKN 1-P1) | -2.56 | 1.66 | 2 | -1.54 | 0.95 |  |
| Check 2 - (AKN 1-P5) | 2.16 | 1.66 | 2 | 1.3 | 0.98 |  |
| Check 2 - (AKN 2-P2) | 2.22 | 1.66 | 2 | 1.34 | 0.98 |  |
| Check 2 - (AKN 2-P3) | 9.42 | 1.66 | 2 | 5.69 | 0.23 |  |
| Check 2 - (AKN 2-P5) | -2.48 | 1.66 | 2 | -1.5 | 0.96 |  |
| Check 2 - (EE 1-P1) | 0.12 | 1.66 | 2 | 0.07 | 1 |  |
| Check 2 - (EE 1-P2) | 2.62 | 1.66 | 2 | 1.58 | 0.95 |  |
| Check 2 - (EE 1-P3) | 2.53 | 1.66 | 2 | 1.53 | 0.96 |  |
| Check 2 - (EE 1-P4) | -1.17 | 1.66 | 2 | -0.71 | 1 |  |
| Check 2 - (EE 1-P6-1) | -5.88 | 1.66 | 2 | -3.55 | 0.49 |  |
| Check 2 - (EE 1-P6-2) | -7.88 | 1.66 | 2 | -4.75 | 0.31 |  |
| Check 2 - (EE 4-P1) | 6.52 | 1.66 | 2 | 3.94 | 0.42 |  |
| Check 2 - (EE 4-P2) | 0.86 | 1.66 | 2 | 0.52 | 1 |  |
| Check 2 - (EE 4-P4) | -5.31 | 1.66 | 2 | -3.2 | 0.55 |  |
| Check 2 - (EE 4-P5) | -2.37 | 1.66 | 2 | -1.43 | 0.97 |  |
| Check 2 - (EE 4-P6) | -2.16 | 1.66 | 2 | -1.3 | 0.98 |  |
| Check 2 - (EE 5-P1) | -2.15 | 1.66 | 2 | -1.3 | 0.98 |  |
| Check 2 - (EE 5-P3) | -0.31 | 1.66 | 2 | -0.19 | 1 |  |
| Check 2 - (EE 5-P5) | 6.46 | 1.66 | 2 | 3.9 | 0.43 |  |
| Check 2 - (EE 5-P6) | 4.68 | 1.66 | 2 | 2.83 | 0.64 |  |
| Check 2 - (EE 5-P7) | -0.18 | 1.66 | 2 | -0.11 | 1 |  |
| Check 2 - (EE 5-P8) | 0.32 | 1.66 | 2 | 0.19 | 1 |  |
| Check 2 - (EE 5-P9) | -3.18 | 1.66 | 2 | -1.92 | 0.88 |  |
| Check 2 - (IBI 2-P1) | 4.22 | 1.66 | 2 | 2.55 | 0.71 |  |
| Check 2 - (IL 4-P25) | 1.12 | 1.66 | 2 | 0.68 | 1 |  |
| Check 2 - (IS 1-P1) | -0.89 | 1.66 | 2 | -0.54 | 1 |  |
| Check 2 - (ITU 2-P1) | -4.35 | 1.66 | 2 | -2.62 | 0.69 |  |
| Check 2 - (ON 4-P26) | 3.41 | 1.66 | 2 | 2.06 | 0.84 |  |
| (AKI 3-P2) - (AKN 1-P1) | 3.78 | 2.22 | 2 | 1.7 | 0.93 |  |
| (AKI 3-P2) - (AKN 1-P5) | 8.5 | 2.22 | 2 | 3.82 | 0.44 |  |
| (AKI 3-P2) - (AKN 2-P2) | 8.56 | 1.82 | 2 | 4.72 | 0.32 |  |
| (AKI 3-P2) - (AKN 2-P3) | 15.76 | 1.82 | 2 | 8.68 | 0.11 |  |
| (AKI 3-P2) - (AKN 2-P5) | 3.86 | 1.82 | 2 | 2.13 | 0.83 |  |
| (AKI 3-P2) - (EE 1-P1) | 6.46 | 1.82 | 2 | 3.56 | 0.48 |  |
| (AKI 3-P2) - (EE 1-P2) | 8.96 | 1.82 | 2 | 4.94 | 0.3 |  |
| (AKI 3-P2) - (EE 1-P3) | 8.87 | 2.22 | 2 | 3.99 | 0.41 |  |
| (AKI 3-P2) - (EE 1-P4) | 5.16 | 2.22 | 2 | 2.32 | 0.77 |  |
| (AKI 3-P2) - (EE 1-P6-1) | 0.46 | 1.82 | 2 | 0.25 | 1 |  |
| (AKI 3-P2) - (EE 1-P6-2) | -1.54 | 1.82 | 2 | -0.85 | 1 |  |
| (AKI 3-P2) - (EE 4-P1) | 12.86 | 1.82 | 2 | 7.09 | 0.16 |  |
| (AKI 3-P2) - (EE 4-P2) | 7.2 | 2.22 | 2 | 3.24 | 0.55 |  |
| (AKI 3-P2) - (EE 4-P4) | 1.03 | 2.22 | 2 | 0.46 | 1 |  |
| (AKI 3-P2) - (EE 4-P5) | 3.97 | 2.22 | 2 | 1.79 | 0.91 |  |
| (AKI 3-P2) - (EE 4-P6) | 4.18 | 1.82 | 2 | 2.3 | 0.78 |  |
| (AKI 3-P2) - (EE 5-P1) | 4.19 | 2.22 | 2 | 1.88 | 0.89 |  |
| (AKI 3-P2) - (EE 5-P3) | 6.02 | 2.22 | 2 | 2.71 | 0.67 |  |
| (AKI 3-P2) - (EE 5-P5) | 12.8 | 2.22 | 2 | 5.76 | 0.23 |  |
| (AKI 3-P2) - (EE 5-P6) | 11.02 | 2.22 | 2 | 4.96 | 0.29 |  |
| (AKI 3-P2) - (EE 5-P7) | 6.15 | 2.22 | 2 | 2.77 | 0.66 |  |
| (AKI 3-P2) - (EE 5-P8) | 6.66 | 1.82 | 2 | 3.67 | 0.46 |  |
| (AKI 3-P2) - (EE 5-P9) | 3.16 | 2.22 | 2 | 1.42 | 0.97 |  |
| (AKI 3-P2) - (IBI 2-P1) | 10.56 | 1.82 | 2 | 5.82 | 0.22 |  |
| (AKI 3-P2) - (IL 4-P25) | 7.46 | 1.82 | 2 | 4.11 | 0.39 |  |
| (AKI 3-P2) - (IS 1-P1) | 5.45 | 2.22 | 2 | 2.45 | 0.74 |  |
| (AKI 3-P2) - (ITU 2-P1) | 1.99 | 1.82 | 2 | 1.1 | 1 |  |
| (AKI 3-P2) - (ON 4-P26) | 9.75 | 2.22 | 2 | 4.39 | 0.36 |  |
| (AKN 1-P1) - (AKN 1-P5) | 4.72 | 1.82 | 2 | 2.6 | 0.7 |  |
| (AKN 1-P1) - (AKN 2-P2) | 4.78 | 2.22 | 2 | 2.15 | 0.82 |  |
| (AKN 1-P1) - (AKN 2-P3) | 11.98 | 2.22 | 2 | 5.39 | 0.26 |  |
| (AKN 1-P1) - (AKN 2-P5) | 0.08 | 2.22 | 2 | 0.04 | 1 |  |
| (AKN 1-P1) - (EE 1-P1) | 2.68 | 2.22 | 2 | 1.21 | 0.99 |  |
| (AKN 1-P1) - (EE 1-P2) | 5.18 | 2.22 | 2 | 2.33 | 0.77 |  |
| (AKN 1-P1) - (EE 1-P3) | 5.09 | 1.82 | 2 | 2.8 | 0.65 |  |
| (AKN 1-P1) - (EE 1-P4) | 1.39 | 2.22 | 2 | 0.62 | 1 |  |
| (AKN 1-P1) - (EE 1-P6-1) | -3.32 | 2.22 | 2 | -1.49 | 0.96 |  |
| (AKN 1-P1) - (EE 1-P6-2) | -5.32 | 2.22 | 2 | -2.39 | 0.75 |  |
| (AKN 1-P1) - (EE 4-P1) | 9.08 | 2.22 | 2 | 4.08 | 0.4 |  |
| (AKN 1-P1) - (EE 4-P2) | 3.42 | 1.82 | 2 | 1.88 | 0.89 |  |
| (AKN 1-P1) - (EE 4-P4) | -2.75 | 1.82 | 2 | -1.52 | 0.96 |  |
| (AKN 1-P1) - (EE 4-P5) | 0.19 | 1.82 | 2 | 0.1 | 1 |  |
| (AKN 1-P1) - (EE 4-P6) | 0.4 | 2.22 | 2 | 0.18 | 1 |  |
| (AKN 1-P1) - (EE 5-P1) | 0.41 | 1.82 | 2 | 0.23 | 1 |  |
| (AKN 1-P1) - (EE 5-P3) | 2.25 | 2.22 | 2 | 1.01 | 1 |  |
| (AKN 1-P1) - (EE 5-P5) | 9.02 | 1.82 | 2 | 4.97 | 0.29 |  |
| (AKN 1-P1) - (EE 5-P6) | 7.24 | 1.82 | 2 | 3.99 | 0.41 |  |
| (AKN 1-P1) - (EE 5-P7) | 2.38 | 2.22 | 2 | 1.07 | 1 |  |
| (AKN 1-P1) - (EE 5-P8) | 2.88 | 2.22 | 2 | 1.3 | 0.98 |  |
| (AKN 1-P1) - (EE 5-P9) | -0.62 | 1.82 | 2 | -0.34 | 1 |  |
| (AKN 1-P1) - (IBI 2-P1) | 6.78 | 2.22 | 2 | 3.05 | 0.59 |  |
| (AKN 1-P1) - (IL 4-P25) | 3.68 | 2.22 | 2 | 1.66 | 0.93 |  |
| (AKN 1-P1) - (IS 1-P1) | 1.67 | 1.82 | 2 | 0.92 | 1 |  |
| (AKN 1-P1) - (ITU 2-P1) | -1.79 | 2.22 | 2 | -0.81 | 1 |  |
| (AKN 1-P1) - (ON 4-P26) | 5.97 | 1.82 | 2 | 3.29 | 0.54 |  |
| (AKN 1-P5) - (AKN 2-P2) | 0.06 | 2.22 | 2 | 0.03 | 1 |  |
| (AKN 1-P5) - (AKN 2-P3) | 7.26 | 2.22 | 2 | 3.27 | 0.54 |  |
| (AKN 1-P5) - (AKN 2-P5) | -4.64 | 2.22 | 2 | -2.09 | 0.84 |  |
| (AKN 1-P5) - (EE 1-P1) | -2.04 | 2.22 | 2 | -0.92 | 1 |  |
| (AKN 1-P5) - (EE 1-P2) | 0.46 | 2.22 | 2 | 0.21 | 1 |  |
| (AKN 1-P5) - (EE 1-P3) | 0.37 | 1.82 | 2 | 0.2 | 1 |  |
| (AKN 1-P5) - (EE 1-P4) | -3.33 | 2.22 | 2 | -1.5 | 0.96 |  |
| (AKN 1-P5) - (EE 1-P6-1) | -8.04 | 2.22 | 2 | -3.62 | 0.47 |  |
| (AKN 1-P5) - (EE 1-P6-2) | -10.04 | 2.22 | 2 | -4.52 | 0.34 |  |
| (AKN 1-P5) - (EE 4-P1) | 4.36 | 2.22 | 2 | 1.96 | 0.87 |  |
| (AKN 1-P5) - (EE 4-P2) | -1.3 | 1.82 | 2 | -0.72 | 1 |  |
| (AKN 1-P5) - (EE 4-P4) | -7.47 | 1.82 | 2 | -4.12 | 0.39 |  |
| (AKN 1-P5) - (EE 4-P5) | -4.53 | 1.82 | 2 | -2.5 | 0.73 |  |
| (AKN 1-P5) - (EE 4-P6) | -4.32 | 2.22 | 2 | -1.94 | 0.87 |  |
| (AKN 1-P5) - (EE 5-P1) | -4.31 | 1.82 | 2 | -2.37 | 0.76 |  |
| (AKN 1-P5) - (EE 5-P3) | -2.48 | 2.22 | 2 | -1.11 | 0.99 |  |
| (AKN 1-P5) - (EE 5-P5) | 4.3 | 1.82 | 2 | 2.37 | 0.76 |  |
| (AKN 1-P5) - (EE 5-P6) | 2.52 | 1.82 | 2 | 1.39 | 0.98 |  |
| (AKN 1-P5) - (EE 5-P7) | -2.35 | 2.22 | 2 | -1.05 | 1 |  |
| (AKN 1-P5) - (EE 5-P8) | -1.84 | 2.22 | 2 | -0.83 | 1 |  |
| (AKN 1-P5) - (EE 5-P9) | -5.34 | 1.82 | 2 | -2.94 | 0.61 |  |
| (AKN 1-P5) - (IBI 2-P1) | 2.06 | 2.22 | 2 | 0.93 | 1 |  |
| (AKN 1-P5) - (IL 4-P25) | -1.04 | 2.22 | 2 | -0.47 | 1 |  |
| (AKN 1-P5) - (IS 1-P1) | -3.05 | 1.82 | 2 | -1.68 | 0.93 |  |
| (AKN 1-P5) - (ITU 2-P1) | -6.51 | 2.22 | 2 | -2.93 | 0.62 |  |
| (AKN 1-P5) - (ON 4-P26) | 1.25 | 1.82 | 2 | 0.69 | 1 |  |
| (AKN 2-P2) - (AKN 2-P3) | 7.2 | 1.82 | 2 | 3.97 | 0.41 |  |
| (AKN 2-P2) - (AKN 2-P5) | -4.7 | 1.82 | 2 | -2.59 | 0.7 |  |
| (AKN 2-P2) - (EE 1-P1) | -2.1 | 1.82 | 2 | -1.16 | 0.99 |  |
| (AKN 2-P2) - (EE 1-P2) | 0.4 | 1.82 | 2 | 0.22 | 1 |  |
| (AKN 2-P2) - (EE 1-P3) | 0.31 | 2.22 | 2 | 0.14 | 1 |  |
| (AKN 2-P2) - (EE 1-P4) | -3.39 | 2.22 | 2 | -1.53 | 0.96 |  |
| (AKN 2-P2) - (EE 1-P6-1) | -8.1 | 1.82 | 2 | -4.46 | 0.35 |  |
| (AKN 2-P2) - (EE 1-P6-2) | -10.1 | 1.82 | 2 | -5.56 | 0.24 |  |
| (AKN 2-P2) - (EE 4-P1) | 4.3 | 1.82 | 2 | 2.37 | 0.76 |  |
| (AKN 2-P2) - (EE 4-P2) | -1.36 | 2.22 | 2 | -0.61 | 1 |  |
| (AKN 2-P2) - (EE 4-P4) | -7.53 | 2.22 | 2 | -3.39 | 0.52 |  |
| (AKN 2-P2) - (EE 4-P5) | -4.59 | 2.22 | 2 | -2.06 | 0.84 |  |
| (AKN 2-P2) - (EE 4-P6) | -4.38 | 1.82 | 2 | -2.41 | 0.75 |  |
| (AKN 2-P2) - (EE 5-P1) | -4.37 | 2.22 | 2 | -1.97 | 0.87 |  |
| (AKN 2-P2) - (EE 5-P3) | -2.54 | 2.22 | 2 | -1.14 | 0.99 |  |
| (AKN 2-P2) - (EE 5-P5) | 4.24 | 2.22 | 2 | 1.91 | 0.88 |  |
| (AKN 2-P2) - (EE 5-P6) | 2.46 | 2.22 | 2 | 1.11 | 1 |  |
| (AKN 2-P2) - (EE 5-P7) | -2.41 | 2.22 | 2 | -1.08 | 1 |  |
| (AKN 2-P2) - (EE 5-P8) | -1.9 | 1.82 | 2 | -1.05 | 1 |  |
| (AKN 2-P2) - (EE 5-P9) | -5.4 | 2.22 | 2 | -2.43 | 0.74 |  |
| (AKN 2-P2) - (IBI 2-P1) | 2 | 1.82 | 2 | 1.1 | 1 |  |
| (AKN 2-P2) - (IL 4-P25) | -1.1 | 1.82 | 2 | -0.61 | 1 |  |
| (AKN 2-P2) - (IS 1-P1) | -3.11 | 2.22 | 2 | -1.4 | 0.97 |  |
| (AKN 2-P2) - (ITU 2-P1) | -6.57 | 1.82 | 2 | -3.62 | 0.47 |  |
| (AKN 2-P2) - (ON 4-P26) | 1.19 | 2.22 | 2 | 0.54 | 1 |  |
| (AKN 2-P3) - (AKN 2-P5) | -11.9 | 1.82 | 2 | -6.56 | 0.18 |  |
| (AKN 2-P3) - (EE 1-P1) | -9.3 | 1.82 | 2 | -5.12 | 0.28 |  |
| (AKN 2-P3) - (EE 1-P2) | -6.8 | 1.82 | 2 | -3.75 | 0.45 |  |
| (AKN 2-P3) - (EE 1-P3) | -6.89 | 2.22 | 2 | -3.1 | 0.58 |  |
| (AKN 2-P3) - (EE 1-P4) | -10.6 | 2.22 | 2 | -4.77 | 0.31 |  |
| (AKN 2-P3) - (EE 1-P6-1) | -15.3 | 1.82 | 2 | -8.43 | 0.11 |  |
| (AKN 2-P3) - (EE 1-P6-2) | -17.3 | 1.82 | 2 | -9.53 | 0.09 |  |
| (AKN 2-P3) - (EE 4-P1) | -2.9 | 1.82 | 2 | -1.6 | 0.95 |  |
| (AKN 2-P3) - (EE 4-P2) | -8.56 | 2.22 | 2 | -3.85 | 0.43 |  |
| (AKN 2-P3) - (EE 4-P4) | -14.73 | 2.22 | 2 | -6.63 | 0.18 |  |
| (AKN 2-P3) - (EE 4-P5) | -11.79 | 2.22 | 2 | -5.3 | 0.26 |  |
| (AKN 2-P3) - (EE 4-P6) | -11.58 | 1.82 | 2 | -6.38 | 0.19 |  |
| (AKN 2-P3) - (EE 5-P1) | -11.57 | 2.22 | 2 | -5.2 | 0.27 |  |
| (AKN 2-P3) - (EE 5-P3) | -9.74 | 2.22 | 2 | -4.38 | 0.36 |  |
| (AKN 2-P3) - (EE 5-P5) | -2.96 | 2.22 | 2 | -1.33 | 0.98 |  |
| (AKN 2-P3) - (EE 5-P6) | -4.74 | 2.22 | 2 | -2.13 | 0.82 |  |
| (AKN 2-P3) - (EE 5-P7) | -9.61 | 2.22 | 2 | -4.32 | 0.36 |  |
| (AKN 2-P3) - (EE 5-P8) | -9.1 | 1.82 | 2 | -5.01 | 0.29 |  |
| (AKN 2-P3) - (EE 5-P9) | -12.6 | 2.22 | 2 | -5.67 | 0.23 |  |
| (AKN 2-P3) - (IBI 2-P1) | -5.2 | 1.82 | 2 | -2.87 | 0.63 |  |
| (AKN 2-P3) - (IL 4-P25) | -8.3 | 1.82 | 2 | -4.57 | 0.33 |  |
| (AKN 2-P3) - (IS 1-P1) | -10.31 | 2.22 | 2 | -4.64 | 0.33 |  |
| (AKN 2-P3) - (ITU 2-P1) | -13.77 | 1.82 | 2 | -7.59 | 0.14 |  |
| (AKN 2-P3) - (ON 4-P26) | -6.01 | 2.22 | 2 | -2.7 | 0.67 |  |
| (AKN 2-P5) - (EE 1-P1) | 2.6 | 1.82 | 2 | 1.43 | 0.97 |  |
| (AKN 2-P5) - (EE 1-P2) | 5.1 | 1.82 | 2 | 2.81 | 0.65 |  |
| (AKN 2-P5) - (EE 1-P3) | 5.01 | 2.22 | 2 | 2.25 | 0.79 |  |
| (AKN 2-P5) - (EE 1-P4) | 1.31 | 2.22 | 2 | 0.59 | 1 |  |
| (AKN 2-P5) - (EE 1-P6-1) | -3.4 | 1.82 | 2 | -1.87 | 0.89 |  |
| (AKN 2-P5) - (EE 1-P6-2) | -5.4 | 1.82 | 2 | -2.98 | 0.61 |  |
| (AKN 2-P5) - (EE 4-P1) | 9 | 1.82 | 2 | 4.96 | 0.29 |  |
| (AKN 2-P5) - (EE 4-P2) | 3.34 | 2.22 | 2 | 1.5 | 0.96 |  |
| (AKN 2-P5) - (EE 4-P4) | -2.83 | 2.22 | 2 | -1.27 | 0.99 |  |
| (AKN 2-P5) - (EE 4-P5) | 0.11 | 2.22 | 2 | 0.05 | 1 |  |
| (AKN 2-P5) - (EE 4-P6) | 0.32 | 1.82 | 2 | 0.18 | 1 |  |
| (AKN 2-P5) - (EE 5-P1) | 0.33 | 2.22 | 2 | 0.15 | 1 |  |
| (AKN 2-P5) - (EE 5-P3) | 2.16 | 2.22 | 2 | 0.97 | 1 |  |
| (AKN 2-P5) - (EE 5-P5) | 8.94 | 2.22 | 2 | 4.02 | 0.41 |  |
| (AKN 2-P5) - (EE 5-P6) | 7.16 | 2.22 | 2 | 3.22 | 0.55 |  |
| (AKN 2-P5) - (EE 5-P7) | 2.29 | 2.22 | 2 | 1.03 | 1 |  |
| (AKN 2-P5) - (EE 5-P8) | 2.8 | 1.82 | 2 | 1.54 | 0.95 |  |
| (AKN 2-P5) - (EE 5-P9) | -0.7 | 2.22 | 2 | -0.31 | 1 |  |
| (AKN 2-P5) - (IBI 2-P1) | 6.7 | 1.82 | 2 | 3.69 | 0.46 |  |
| (AKN 2-P5) - (IL 4-P25) | 3.6 | 1.82 | 2 | 1.98 | 0.86 |  |
| (AKN 2-P5) - (IS 1-P1) | 1.59 | 2.22 | 2 | 0.72 | 1 |  |
| (AKN 2-P5) - (ITU 2-P1) | -1.87 | 1.82 | 2 | -1.03 | 1 |  |
| (AKN 2-P5) - (ON 4-P26) | 5.89 | 2.22 | 2 | 2.65 | 0.69 |  |
| (EE 1-P1) - (EE 1-P2) | 2.5 | 1.82 | 2 | 1.38 | 0.98 |  |
| (EE 1-P1) - (EE 1-P3) | 2.41 | 2.22 | 2 | 1.08 | 1 |  |
| (EE 1-P1) - (EE 1-P4) | -1.29 | 2.22 | 2 | -0.58 | 1 |  |
| (EE 1-P1) - (EE 1-P6-1) | -6 | 1.82 | 2 | -3.31 | 0.53 |  |
| (EE 1-P1) - (EE 1-P6-2) | -8 | 1.82 | 2 | -4.41 | 0.35 |  |
| (EE 1-P1) - (EE 4-P1) | 6.4 | 1.82 | 2 | 3.53 | 0.49 |  |
| (EE 1-P1) - (EE 4-P2) | 0.74 | 2.22 | 2 | 0.33 | 1 |  |
| (EE 1-P1) - (EE 4-P4) | -5.43 | 2.22 | 2 | -2.44 | 0.74 |  |
| (EE 1-P1) - (EE 4-P5) | -2.49 | 2.22 | 2 | -1.12 | 0.99 |  |
| (EE 1-P1) - (EE 4-P6) | -2.28 | 1.82 | 2 | -1.26 | 0.99 |  |
| (EE 1-P1) - (EE 5-P1) | -2.27 | 2.22 | 2 | -1.02 | 1 |  |
| (EE 1-P1) - (EE 5-P3) | -0.44 | 2.22 | 2 | -0.2 | 1 |  |
| (EE 1-P1) - (EE 5-P5) | 6.34 | 2.22 | 2 | 2.85 | 0.64 |  |
| (EE 1-P1) - (EE 5-P6) | 4.56 | 2.22 | 2 | 2.05 | 0.84 |  |
| (EE 1-P1) - (EE 5-P7) | -0.31 | 2.22 | 2 | -0.14 | 1 |  |
| (EE 1-P1) - (EE 5-P8) | 0.2 | 1.82 | 2 | 0.11 | 1 |  |
| (EE 1-P1) - (EE 5-P9) | -3.3 | 2.22 | 2 | -1.48 | 0.96 |  |
| (EE 1-P1) - (IBI 2-P1) | 4.1 | 1.82 | 2 | 2.26 | 0.79 |  |
| (EE 1-P1) - (IL 4-P25) | 1 | 1.82 | 2 | 0.55 | 1 |  |
| (EE 1-P1) - (IS 1-P1) | -1.01 | 2.22 | 2 | -0.45 | 1 |  |
| (EE 1-P1) - (ITU 2-P1) | -4.47 | 1.82 | 2 | -2.46 | 0.74 |  |
| (EE 1-P1) - (ON 4-P26) | 3.29 | 2.22 | 2 | 1.48 | 0.96 |  |
| (EE 1-P2) - (EE 1-P3) | -0.09 | 2.22 | 2 | -0.04 | 1 |  |
| (EE 1-P2) - (EE 1-P4) | -3.79 | 2.22 | 2 | -1.71 | 0.92 |  |
| (EE 1-P2) - (EE 1-P6-1) | -8.5 | 1.82 | 2 | -4.68 | 0.32 |  |
| (EE 1-P2) - (EE 1-P6-2) | -10.5 | 1.82 | 2 | -5.79 | 0.23 |  |
| (EE 1-P2) - (EE 4-P1) | 3.9 | 1.82 | 2 | 2.15 | 0.82 |  |
| (EE 1-P2) - (EE 4-P2) | -1.76 | 2.22 | 2 | -0.79 | 1 |  |
| (EE 1-P2) - (EE 4-P4) | -7.93 | 2.22 | 2 | -3.57 | 0.48 |  |
| (EE 1-P2) - (EE 4-P5) | -4.99 | 2.22 | 2 | -2.24 | 0.79 |  |
| (EE 1-P2) - (EE 4-P6) | -4.78 | 1.82 | 2 | -2.63 | 0.69 |  |
| (EE 1-P2) - (EE 5-P1) | -4.77 | 2.22 | 2 | -2.15 | 0.82 |  |
| (EE 1-P2) - (EE 5-P3) | -2.94 | 2.22 | 2 | -1.32 | 0.98 |  |
| (EE 1-P2) - (EE 5-P5) | 3.84 | 2.22 | 2 | 1.73 | 0.92 |  |
| (EE 1-P2) - (EE 5-P6) | 2.06 | 2.22 | 2 | 0.93 | 1 |  |
| (EE 1-P2) - (EE 5-P7) | -2.8 | 2.22 | 2 | -1.26 | 0.99 |  |
| (EE 1-P2) - (EE 5-P8) | -2.3 | 1.82 | 2 | -1.27 | 0.99 |  |
| (EE 1-P2) - (EE 5-P9) | -5.8 | 2.22 | 2 | -2.61 | 0.7 |  |
| (EE 1-P2) - (IBI 2-P1) | 1.6 | 1.82 | 2 | 0.88 | 1 |  |
| (EE 1-P2) - (IL 4-P25) | -1.5 | 1.82 | 2 | -0.83 | 1 |  |
| (EE 1-P2) - (IS 1-P1) | -3.51 | 2.22 | 2 | -1.58 | 0.95 |  |
| (EE 1-P2) - (ITU 2-P1) | -6.97 | 1.82 | 2 | -3.84 | 0.43 |  |
| (EE 1-P2) - (ON 4-P26) | 0.79 | 2.22 | 2 | 0.36 | 1 |  |
| (EE 1-P3) - (EE 1-P4) | -3.7 | 2.22 | 2 | -1.67 | 0.93 |  |
| (EE 1-P3) - (EE 1-P6-1) | -8.41 | 2.22 | 2 | -3.78 | 0.44 |  |
| (EE 1-P3) - (EE 1-P6-2) | -10.41 | 2.22 | 2 | -4.68 | 0.32 |  |
| (EE 1-P3) - (EE 4-P1) | 3.99 | 2.22 | 2 | 1.79 | 0.91 |  |
| (EE 1-P3) - (EE 4-P2) | -1.67 | 1.82 | 2 | -0.92 | 1 |  |
| (EE 1-P3) - (EE 4-P4) | -7.84 | 1.82 | 2 | -4.32 | 0.36 |  |
| (EE 1-P3) - (EE 4-P5) | -4.9 | 1.82 | 2 | -2.7 | 0.67 |  |
| (EE 1-P3) - (EE 4-P6) | -4.69 | 2.22 | 2 | -2.11 | 0.83 |  |
| (EE 1-P3) - (EE 5-P1) | -4.68 | 1.82 | 2 | -2.58 | 0.71 |  |
| (EE 1-P3) - (EE 5-P3) | -2.85 | 2.22 | 2 | -1.28 | 0.99 |  |
| (EE 1-P3) - (EE 5-P5) | 3.93 | 1.82 | 2 | 2.17 | 0.82 |  |
| (EE 1-P3) - (EE 5-P6) | 2.15 | 1.82 | 2 | 1.18 | 0.99 |  |
| (EE 1-P3) - (EE 5-P7) | -2.72 | 2.22 | 2 | -1.22 | 0.99 |  |
| (EE 1-P3) - (EE 5-P8) | -2.21 | 2.22 | 2 | -0.99 | 1 |  |
| (EE 1-P3) - (EE 5-P9) | -5.71 | 1.82 | 2 | -3.15 | 0.57 |  |
| (EE 1-P3) - (IBI 2-P1) | 1.69 | 2.22 | 2 | 0.76 | 1 |  |
| (EE 1-P3) - (IL 4-P25) | -1.41 | 2.22 | 2 | -0.63 | 1 |  |
| (EE 1-P3) - (IS 1-P1) | -3.42 | 1.82 | 2 | -1.88 | 0.89 |  |
| (EE 1-P3) - (ITU 2-P1) | -6.88 | 2.22 | 2 | -3.1 | 0.58 |  |
| (EE 1-P3) - (ON 4-P26) | 0.88 | 1.82 | 2 | 0.48 | 1 |  |
| (EE 1-P4) - (EE 1-P6-1) | -4.71 | 2.22 | 2 | -2.12 | 0.83 |  |
| (EE 1-P4) - (EE 1-P6-2) | -6.71 | 2.22 | 2 | -3.02 | 0.6 |  |
| (EE 1-P4) - (EE 4-P1) | 7.69 | 2.22 | 2 | 3.46 | 0.5 |  |
| (EE 1-P4) - (EE 4-P2) | 2.04 | 2.22 | 2 | 0.92 | 1 |  |
| (EE 1-P4) - (EE 4-P4) | -4.14 | 2.22 | 2 | -1.86 | 0.89 |  |
| (EE 1-P4) - (EE 4-P5) | -1.19 | 2.22 | 2 | -0.54 | 1 |  |
| (EE 1-P4) - (EE 4-P6) | -0.99 | 2.22 | 2 | -0.44 | 1 |  |
| (EE 1-P4) - (EE 5-P1) | -0.98 | 2.22 | 2 | -0.44 | 1 |  |
| (EE 1-P4) - (EE 5-P3) | 0.86 | 1.82 | 2 | 0.47 | 1 |  |
| (EE 1-P4) - (EE 5-P5) | 7.64 | 2.22 | 2 | 3.43 | 0.51 |  |
| (EE 1-P4) - (EE 5-P6) | 5.85 | 2.22 | 2 | 2.63 | 0.69 |  |
| (EE 1-P4) - (EE 5-P7) | 0.99 | 1.82 | 2 | 0.55 | 1 |  |
| (EE 1-P4) - (EE 5-P8) | 1.49 | 2.22 | 2 | 0.67 | 1 |  |
| (EE 1-P4) - (EE 5-P9) | -2 | 2.22 | 2 | -0.9 | 1 |  |
| (EE 1-P4) - (IBI 2-P1) | 5.39 | 2.22 | 2 | 2.43 | 0.75 |  |
| (EE 1-P4) - (IL 4-P25) | 2.29 | 2.22 | 2 | 1.03 | 1 |  |
| (EE 1-P4) - (IS 1-P1) | 0.28 | 2.22 | 2 | 0.13 | 1 |  |
| (EE 1-P4) - (ITU 2-P1) | -3.18 | 2.22 | 2 | -1.43 | 0.97 |  |
| (EE 1-P4) - (ON 4-P26) | 4.58 | 2.22 | 2 | 2.06 | 0.84 |  |
| (EE 1-P6-1) - (EE 1-P6-2) | -2 | 1.82 | 2 | -1.1 | 1 |  |
| (EE 1-P6-1) - (EE 4-P1) | 12.4 | 1.82 | 2 | 6.83 | 0.17 |  |
| (EE 1-P6-1) - (EE 4-P2) | 6.74 | 2.22 | 2 | 3.03 | 0.59 |  |
| (EE 1-P6-1) - (EE 4-P4) | 0.57 | 2.22 | 2 | 0.26 | 1 |  |
| (EE 1-P6-1) - (EE 4-P5) | 3.51 | 2.22 | 2 | 1.58 | 0.95 |  |
| (EE 1-P6-1) - (EE 4-P6) | 3.72 | 1.82 | 2 | 2.05 | 0.85 |  |
| (EE 1-P6-1) - (EE 5-P1) | 3.73 | 2.22 | 2 | 1.68 | 0.93 |  |
| (EE 1-P6-1) - (EE 5-P3) | 5.57 | 2.22 | 2 | 2.5 | 0.72 |  |
| (EE 1-P6-1) - (EE 5-P5) | 12.34 | 2.22 | 2 | 5.55 | 0.24 |  |
| (EE 1-P6-1) - (EE 5-P6) | 10.56 | 2.22 | 2 | 4.75 | 0.31 |  |
| (EE 1-P6-1) - (EE 5-P7) | 5.7 | 2.22 | 2 | 2.56 | 0.71 |  |
| (EE 1-P6-1) - (EE 5-P8) | 6.2 | 1.82 | 2 | 3.42 | 0.51 |  |
| (EE 1-P6-1) - (EE 5-P9) | 2.7 | 2.22 | 2 | 1.21 | 0.99 |  |
| (EE 1-P6-1) - (IBI 2-P1) | 10.1 | 1.82 | 2 | 5.56 | 0.24 |  |
| (EE 1-P6-1) - (IL 4-P25) | 7 | 1.82 | 2 | 3.86 | 0.43 |  |
| (EE 1-P6-1) - (IS 1-P1) | 4.99 | 2.22 | 2 | 2.24 | 0.79 |  |
| (EE 1-P6-1) - (ITU 2-P1) | 1.53 | 1.82 | 2 | 0.84 | 1 |  |
| (EE 1-P6-1) - (ON 4-P26) | 9.29 | 2.22 | 2 | 4.18 | 0.38 |  |
| (EE 1-P6-2) - (EE 4-P1) | 14.4 | 1.82 | 2 | 7.93 | 0.13 |  |
| (EE 1-P6-2) - (EE 4-P2) | 8.74 | 2.22 | 2 | 3.93 | 0.42 |  |
| (EE 1-P6-2) - (EE 4-P4) | 2.57 | 2.22 | 2 | 1.16 | 0.99 |  |
| (EE 1-P6-2) - (EE 4-P5) | 5.51 | 2.22 | 2 | 2.48 | 0.73 |  |
| (EE 1-P6-2) - (EE 4-P6) | 5.72 | 1.82 | 2 | 3.15 | 0.57 |  |
| (EE 1-P6-2) - (EE 5-P1) | 5.73 | 2.22 | 2 | 2.58 | 0.71 |  |
| (EE 1-P6-2) - (EE 5-P3) | 7.56 | 2.22 | 2 | 3.4 | 0.51 |  |
| (EE 1-P6-2) - (EE 5-P5) | 14.34 | 2.22 | 2 | 6.45 | 0.19 |  |
| (EE 1-P6-2) - (EE 5-P6) | 12.56 | 2.22 | 2 | 5.65 | 0.24 |  |
| (EE 1-P6-2) - (EE 5-P7) | 7.69 | 2.22 | 2 | 3.46 | 0.5 |  |
| (EE 1-P6-2) - (EE 5-P8) | 8.2 | 1.82 | 2 | 4.52 | 0.34 |  |
| (EE 1-P6-2) - (EE 5-P9) | 4.7 | 2.22 | 2 | 2.11 | 0.83 |  |
| (EE 1-P6-2) - (IBI 2-P1) | 12.1 | 1.82 | 2 | 6.67 | 0.18 |  |
| (EE 1-P6-2) - (IL 4-P25) | 9 | 1.82 | 2 | 4.96 | 0.29 |  |
| (EE 1-P6-2) - (IS 1-P1) | 6.99 | 2.22 | 2 | 3.14 | 0.57 |  |
| (EE 1-P6-2) - (ITU 2-P1) | 3.53 | 1.82 | 2 | 1.94 | 0.87 |  |
| (EE 1-P6-2) - (ON 4-P26) | 11.29 | 2.22 | 2 | 5.08 | 0.28 |  |
| (EE 4-P1) - (EE 4-P2) | -5.66 | 2.22 | 2 | -2.55 | 0.71 |  |
| (EE 4-P1) - (EE 4-P4) | -11.83 | 2.22 | 2 | -5.32 | 0.26 |  |
| (EE 4-P1) - (EE 4-P5) | -8.89 | 2.22 | 2 | -4 | 0.41 |  |
| (EE 4-P1) - (EE 4-P6) | -8.68 | 1.82 | 2 | -4.78 | 0.31 |  |
| (EE 4-P1) - (EE 5-P1) | -8.67 | 2.22 | 2 | -3.9 | 0.43 |  |
| (EE 4-P1) - (EE 5-P3) | -6.84 | 2.22 | 2 | -3.07 | 0.58 |  |
| (EE 4-P1) - (EE 5-P5) | -0.06 | 2.22 | 2 | -0.03 | 1 |  |
| (EE 4-P1) - (EE 5-P6) | -1.84 | 2.22 | 2 | -0.83 | 1 |  |
| (EE 4-P1) - (EE 5-P7) | -6.71 | 2.22 | 2 | -3.02 | 0.6 |  |
| (EE 4-P1) - (EE 5-P8) | -6.2 | 1.82 | 2 | -3.42 | 0.51 |  |
| (EE 4-P1) - (EE 5-P9) | -9.7 | 2.22 | 2 | -4.36 | 0.36 |  |
| (EE 4-P1) - (IBI 2-P1) | -2.3 | 1.82 | 2 | -1.27 | 0.99 |  |
| (EE 4-P1) - (IL 4-P25) | -5.4 | 1.82 | 2 | -2.98 | 0.61 |  |
| (EE 4-P1) - (IS 1-P1) | -7.41 | 2.22 | 2 | -3.33 | 0.53 |  |
| (EE 4-P1) - (ITU 2-P1) | -10.87 | 1.82 | 2 | -5.99 | 0.21 |  |
| (EE 4-P1) - (ON 4-P26) | -3.11 | 2.22 | 2 | -1.4 | 0.97 |  |
| (EE 4-P2) - (EE 4-P4) | -6.17 | 1.82 | 2 | -3.4 | 0.51 |  |
| (EE 4-P2) - (EE 4-P5) | -3.23 | 1.82 | 2 | -1.78 | 0.91 |  |
| (EE 4-P2) - (EE 4-P6) | -3.02 | 2.22 | 2 | -1.36 | 0.98 |  |
| (EE 4-P2) - (EE 5-P1) | -3.01 | 1.82 | 2 | -1.66 | 0.93 |  |
| (EE 4-P2) - (EE 5-P3) | -1.18 | 2.22 | 2 | -0.53 | 1 |  |
| (EE 4-P2) - (EE 5-P5) | 5.6 | 1.82 | 2 | 3.09 | 0.58 |  |
| (EE 4-P2) - (EE 5-P6) | 3.82 | 1.82 | 2 | 2.1 | 0.83 |  |
| (EE 4-P2) - (EE 5-P7) | -1.05 | 2.22 | 2 | -0.47 | 1 |  |
| (EE 4-P2) - (EE 5-P8) | -0.54 | 2.22 | 2 | -0.24 | 1 |  |
| (EE 4-P2) - (EE 5-P9) | -4.04 | 1.82 | 2 | -2.23 | 0.8 |  |
| (EE 4-P2) - (IBI 2-P1) | 3.36 | 2.22 | 2 | 1.51 | 0.96 |  |
| (EE 4-P2) - (IL 4-P25) | 0.26 | 2.22 | 2 | 0.12 | 1 |  |
| (EE 4-P2) - (IS 1-P1) | -1.75 | 1.82 | 2 | -0.96 | 1 |  |
| (EE 4-P2) - (ITU 2-P1) | -5.21 | 2.22 | 2 | -2.34 | 0.77 |  |
| (EE 4-P2) - (ON 4-P26) | 2.55 | 1.82 | 2 | 1.4 | 0.97 |  |
| (EE 4-P4) - (EE 4-P5) | 2.94 | 1.82 | 2 | 1.62 | 0.94 |  |
| (EE 4-P4) - (EE 4-P6) | 3.15 | 2.22 | 2 | 1.42 | 0.97 |  |
| (EE 4-P4) - (EE 5-P1) | 3.16 | 1.82 | 2 | 1.74 | 0.92 |  |
| (EE 4-P4) - (EE 5-P3) | 4.99 | 2.22 | 2 | 2.25 | 0.79 |  |
| (EE 4-P4) - (EE 5-P5) | 11.77 | 1.82 | 2 | 6.48 | 0.18 |  |
| (EE 4-P4) - (EE 5-P6) | 9.99 | 1.82 | 2 | 5.5 | 0.25 |  |
| (EE 4-P4) - (EE 5-P7) | 5.12 | 2.22 | 2 | 2.31 | 0.78 |  |
| (EE 4-P4) - (EE 5-P8) | 5.63 | 2.22 | 2 | 2.53 | 0.72 |  |
| (EE 4-P4) - (EE 5-P9) | 2.13 | 1.82 | 2 | 1.17 | 0.99 |  |
| (EE 4-P4) - (IBI 2-P1) | 9.53 | 2.22 | 2 | 4.29 | 0.37 |  |
| (EE 4-P4) - (IL 4-P25) | 6.43 | 2.22 | 2 | 2.89 | 0.63 |  |
| (EE 4-P4) - (IS 1-P1) | 4.42 | 1.82 | 2 | 2.44 | 0.74 |  |
| (EE 4-P4) - (ITU 2-P1) | 0.96 | 2.22 | 2 | 0.43 | 1 |  |
| (EE 4-P4) - (ON 4-P26) | 8.72 | 1.82 | 2 | 4.8 | 0.31 |  |
| (EE 4-P5) - (EE 4-P6) | 0.21 | 2.22 | 2 | 0.09 | 1 |  |
| (EE 4-P5) - (EE 5-P1) | 0.22 | 1.82 | 2 | 0.12 | 1 |  |
| (EE 4-P5) - (EE 5-P3) | 2.05 | 2.22 | 2 | 0.92 | 1 |  |
| (EE 4-P5) - (EE 5-P5) | 8.83 | 1.82 | 2 | 4.87 | 0.3 |  |
| (EE 4-P5) - (EE 5-P6) | 7.05 | 1.82 | 2 | 3.88 | 0.43 |  |
| (EE 4-P5) - (EE 5-P7) | 2.18 | 2.22 | 2 | 0.98 | 1 |  |
| (EE 4-P5) - (EE 5-P8) | 2.69 | 2.22 | 2 | 1.21 | 0.99 |  |
| (EE 4-P5) - (EE 5-P9) | -0.81 | 1.82 | 2 | -0.45 | 1 |  |
| (EE 4-P5) - (IBI 2-P1) | 6.59 | 2.22 | 2 | 2.96 | 0.61 |  |
| (EE 4-P5) - (IL 4-P25) | 3.49 | 2.22 | 2 | 1.57 | 0.95 |  |
| (EE 4-P5) - (IS 1-P1) | 1.48 | 1.82 | 2 | 0.82 | 1 |  |
| (EE 4-P5) - (ITU 2-P1) | -1.98 | 2.22 | 2 | -0.89 | 1 |  |
| (EE 4-P5) - (ON 4-P26) | 5.78 | 1.82 | 2 | 3.18 | 0.56 |  |
| (EE 4-P6) - (EE 5-P1) | 0.01 | 2.22 | 2 | 0.0045 | 1 |  |
| (EE 4-P6) - (EE 5-P3) | 1.85 | 2.22 | 2 | 0.83 | 1 |  |
| (EE 4-P6) - (EE 5-P5) | 8.62 | 2.22 | 2 | 3.88 | 0.43 |  |
| (EE 4-P6) - (EE 5-P6) | 6.84 | 2.22 | 2 | 3.08 | 0.58 |  |
| (EE 4-P6) - (EE 5-P7) | 1.98 | 2.22 | 2 | 0.89 | 1 |  |
| (EE 4-P6) - (EE 5-P8) | 2.48 | 1.82 | 2 | 1.37 | 0.98 |  |
| (EE 4-P6) - (EE 5-P9) | -1.02 | 2.22 | 2 | -0.46 | 1 |  |
| (EE 4-P6) - (IBI 2-P1) | 6.38 | 1.82 | 2 | 3.52 | 0.49 |  |
| (EE 4-P6) - (IL 4-P25) | 3.28 | 1.82 | 2 | 1.81 | 0.9 |  |
| (EE 4-P6) - (IS 1-P1) | 1.27 | 2.22 | 2 | 0.57 | 1 |  |
| (EE 4-P6) - (ITU 2-P1) | -2.19 | 1.82 | 2 | -1.21 | 0.99 |  |
| (EE 4-P6) - (ON 4-P26) | 5.57 | 2.22 | 2 | 2.51 | 0.72 |  |
| (EE 5-P1) - (EE 5-P3) | 1.83 | 2.22 | 2 | 0.83 | 1 |  |
| (EE 5-P1) - (EE 5-P5) | 8.61 | 1.82 | 2 | 4.74 | 0.31 |  |
| (EE 5-P1) - (EE 5-P6) | 6.83 | 1.82 | 2 | 3.76 | 0.45 |  |
| (EE 5-P1) - (EE 5-P7) | 1.96 | 2.22 | 2 | 0.88 | 1 |  |
| (EE 5-P1) - (EE 5-P8) | 2.47 | 2.22 | 2 | 1.11 | 1 |  |
| (EE 5-P1) - (EE 5-P9) | -1.03 | 1.82 | 2 | -0.57 | 1 |  |
| (EE 5-P1) - (IBI 2-P1) | 6.37 | 2.22 | 2 | 2.87 | 0.63 |  |
| (EE 5-P1) - (IL 4-P25) | 3.27 | 2.22 | 2 | 1.47 | 0.96 |  |
| (EE 5-P1) - (IS 1-P1) | 1.26 | 1.82 | 2 | 0.69 | 1 |  |
| (EE 5-P1) - (ITU 2-P1) | -2.2 | 2.22 | 2 | -0.99 | 1 |  |
| (EE 5-P1) - (ON 4-P26) | 5.56 | 1.82 | 2 | 3.06 | 0.59 |  |
| (EE 5-P3) - (EE 5-P5) | 6.78 | 2.22 | 2 | 3.05 | 0.59 |  |
| (EE 5-P3) - (EE 5-P6) | 5 | 2.22 | 2 | 2.25 | 0.79 |  |
| (EE 5-P3) - (EE 5-P7) | 0.13 | 1.82 | 2 | 0.07 | 1 |  |
| (EE 5-P3) - (EE 5-P8) | 0.64 | 2.22 | 2 | 0.29 | 1 |  |
| (EE 5-P3) - (EE 5-P9) | -2.86 | 2.22 | 2 | -1.29 | 0.98 |  |
| (EE 5-P3) - (IBI 2-P1) | 4.54 | 2.22 | 2 | 2.04 | 0.85 |  |
| (EE 5-P3) - (IL 4-P25) | 1.44 | 2.22 | 2 | 0.65 | 1 |  |
| (EE 5-P3) - (IS 1-P1) | -0.58 | 2.22 | 2 | -0.26 | 1 |  |
| (EE 5-P3) - (ITU 2-P1) | -4.03 | 2.22 | 2 | -1.82 | 0.9 |  |
| (EE 5-P3) - (ON 4-P26) | 3.72 | 2.22 | 2 | 1.68 | 0.93 |  |
| (EE 5-P5) - (EE 5-P6) | -1.78 | 1.82 | 2 | -0.98 | 1 |  |
| (EE 5-P5) - (EE 5-P7) | -6.65 | 2.22 | 2 | -2.99 | 0.6 |  |
| (EE 5-P5) - (EE 5-P8) | -6.14 | 2.22 | 2 | -2.76 | 0.66 |  |
| (EE 5-P5) - (EE 5-P9) | -9.64 | 1.82 | 2 | -5.31 | 0.26 |  |
| (EE 5-P5) - (IBI 2-P1) | -2.24 | 2.22 | 2 | -1.01 | 1 |  |
| (EE 5-P5) - (IL 4-P25) | -5.34 | 2.22 | 2 | -2.4 | 0.75 |  |
| (EE 5-P5) - (IS 1-P1) | -7.35 | 1.82 | 2 | -4.05 | 0.4 |  |
| (EE 5-P5) - (ITU 2-P1) | -10.81 | 2.22 | 2 | -4.86 | 0.3 |  |
| (EE 5-P5) - (ON 4-P26) | -3.05 | 1.82 | 2 | -1.68 | 0.93 |  |
| (EE 5-P6) - (EE 5-P7) | -4.87 | 2.22 | 2 | -2.19 | 0.81 |  |
| (EE 5-P6) - (EE 5-P8) | -4.36 | 2.22 | 2 | -1.96 | 0.87 |  |
| (EE 5-P6) - (EE 5-P9) | -7.86 | 1.82 | 2 | -4.33 | 0.36 |  |
| (EE 5-P6) - (IBI 2-P1) | -0.46 | 2.22 | 2 | -0.21 | 1 |  |
| (EE 5-P6) - (IL 4-P25) | -3.56 | 2.22 | 2 | -1.6 | 0.94 |  |
| (EE 5-P6) - (IS 1-P1) | -5.57 | 1.82 | 2 | -3.07 | 0.58 |  |
| (EE 5-P6) - (ITU 2-P1) | -9.03 | 2.22 | 2 | -4.06 | 0.4 |  |
| (EE 5-P6) - (ON 4-P26) | -1.27 | 1.82 | 2 | -0.7 | 1 |  |
| (EE 5-P7) - (EE 5-P8) | 0.51 | 2.22 | 2 | 0.23 | 1 |  |
| (EE 5-P7) - (EE 5-P9) | -2.99 | 2.22 | 2 | -1.35 | 0.98 |  |
| (EE 5-P7) - (IBI 2-P1) | 4.41 | 2.22 | 2 | 1.98 | 0.86 |  |
| (EE 5-P7) - (IL 4-P25) | 1.31 | 2.22 | 2 | 0.59 | 1 |  |
| (EE 5-P7) - (IS 1-P1) | -0.71 | 2.22 | 2 | -0.32 | 1 |  |
| (EE 5-P7) - (ITU 2-P1) | -4.16 | 2.22 | 2 | -1.87 | 0.89 |  |
| (EE 5-P7) - (ON 4-P26) | 3.59 | 2.22 | 2 | 1.62 | 0.94 |  |
| (EE 5-P8) - (EE 5-P9) | -3.5 | 2.22 | 2 | -1.57 | 0.95 |  |
| (EE 5-P8) - (IBI 2-P1) | 3.9 | 1.82 | 2 | 2.15 | 0.82 |  |
| (EE 5-P8) - (IL 4-P25) | 0.8 | 1.82 | 2 | 0.44 | 1 |  |
| (EE 5-P8) - (IS 1-P1) | -1.21 | 2.22 | 2 | -0.54 | 1 |  |
| (EE 5-P8) - (ITU 2-P1) | -4.67 | 1.82 | 2 | -2.57 | 0.71 |  |
| (EE 5-P8) - (ON 4-P26) | 3.09 | 2.22 | 2 | 1.39 | 0.97 |  |
| (EE 5-P9) - (IBI 2-P1) | 7.4 | 2.22 | 2 | 3.33 | 0.53 |  |
| (EE 5-P9) - (IL 4-P25) | 4.3 | 2.22 | 2 | 1.93 | 0.87 |  |
| (EE 5-P9) - (IS 1-P1) | 2.29 | 1.82 | 2 | 1.26 | 0.99 |  |
| (EE 5-P9) - (ITU 2-P1) | -1.17 | 2.22 | 2 | -0.53 | 1 |  |
| (EE 5-P9) - (ON 4-P26) | 6.59 | 1.82 | 2 | 3.63 | 0.47 |  |
| (IBI 2-P1) - (IL 4-P25) | -3.1 | 1.82 | 2 | -1.71 | 0.92 |  |
| (IBI 2-P1) - (IS 1-P1) | -5.11 | 2.22 | 2 | -2.3 | 0.78 |  |
| (IBI 2-P1) - (ITU 2-P1) | -8.57 | 1.82 | 2 | -4.72 | 0.32 |  |
| (IBI 2-P1) - (ON 4-P26) | -0.81 | 2.22 | 2 | -0.36 | 1 |  |
| (IL 4-P25) - (IS 1-P1) | -2.01 | 2.22 | 2 | -0.9 | 1 |  |
| (IL 4-P25) - (ITU 2-P1) | -5.47 | 1.82 | 2 | -3.01 | 0.6 |  |
| (IL 4-P25) - (ON 4-P26) | 2.29 | 2.22 | 2 | 1.03 | 1 |  |
| (IS 1-P1) - (ITU 2-P1) | -3.46 | 2.22 | 2 | -1.56 | 0.95 |  |
| (IS 1-P1) - (ON 4-P26) | 4.3 | 1.82 | 2 | 2.37 | 0.76 |  |
| (ITU 2-P1) - (ON 4-P26) | 7.76 | 2.22 | 2 | 3.49 | 0.5 |  |

\* P ≤ 0.05; \*\* P ≤ 0.01

# Groups

Comparison method: tukey

| **Treatment** | **Adjusted Means** | **SE** | **df** | **lower.CL** | **upper.CL** | **Group** |
| --- | --- | --- | --- | --- | --- | --- |
| AKN 2-P3 | 17.7 | 1.48 | 2 | -18.7 | 54.1 | 1 |
| EE 4-P1 | 20.6 | 1.48 | 2 | -15.8 | 57 | 1 |
| EE 5-P5 | 20.66 | 1.48 | 2 | -15.74 | 57.06 | 1 |
| EE 5-P6 | 22.44 | 1.48 | 2 | -13.96 | 58.84 | 1 |
| IBI 2-P1 | 22.9 | 1.48 | 2 | -13.5 | 59.3 | 1 |
| ON 4-P26 | 23.71 | 1.48 | 2 | -12.69 | 60.11 | 1 |
| EE 1-P2 | 24.5 | 1.48 | 2 | -11.9 | 60.9 | 1 |
| EE 1-P3 | 24.59 | 1.48 | 2 | -11.81 | 60.99 | 1 |
| AKN 2-P2 | 24.9 | 1.48 | 2 | -11.5 | 61.3 | 1 |
| AKN 1-P5 | 24.96 | 1.48 | 2 | -11.44 | 61.36 | 1 |
| IL 4-P25 | 26 | 1.48 | 2 | -10.4 | 62.4 | 1 |
| EE 4-P2 | 26.26 | 1.48 | 2 | -10.14 | 62.66 | 1 |
| EE 5-P8 | 26.8 | 1.48 | 2 | -9.6 | 63.2 | 1 |
| EE 1-P1 | 27 | 1.48 | 2 | -9.4 | 63.4 | 1 |
| Check 2 | 27.12 | 0.74 | 2 | 8.92 | 45.32 | 1 |
| EE 5-P7 | 27.3 | 1.48 | 2 | -9.1 | 63.71 | 1 |
| EE 5-P3 | 27.43 | 1.48 | 2 | -8.97 | 63.84 | 1 |
| IS 1-P1 | 28.01 | 1.48 | 2 | -8.39 | 64.41 | 1 |
| EE 1-P4 | 28.29 | 1.48 | 2 | -8.11 | 64.7 | 1 |
| EE 5-P1 | 29.27 | 1.48 | 2 | -7.13 | 65.67 | 1 |
| EE 4-P6 | 29.28 | 1.48 | 2 | -7.12 | 65.68 | 1 |
| EE 4-P5 | 29.49 | 1.48 | 2 | -6.91 | 65.89 | 1 |
| AKN 2-P5 | 29.6 | 1.48 | 2 | -6.8 | 66 | 1 |
| AKN 1-P1 | 29.68 | 1.48 | 2 | -6.72 | 66.08 | 1 |
| EE 5-P9 | 30.3 | 1.48 | 2 | -6.1 | 66.7 | 1 |
| ITU 2-P1 | 31.47 | 1.48 | 2 | -4.93 | 67.87 | 1 |
| EE 4-P4 | 32.43 | 1.48 | 2 | -3.97 | 68.83 | 1 |
| EE 1-P6-1 | 33 | 1.48 | 2 | -3.4 | 69.4 | 1 |
| AKI 3-P2 | 33.46 | 1.48 | 2 | -2.94 | 69.86 | 1 |
| Check 1 | 34.02 | 0.74 | 2 | 15.82 | 52.22 | 1 |
| EE 1-P6-2 | 35 | 1.48 | 2 | -1.4 | 71.4 | 1 |

################## The End ##################