|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A1** | **A2** | **A3** | **T** |
| **1** | x | r | m | + |
| **2** | y | r | n | + |
| **3** | y | s | n | + |
| **4** | x | s | m | - |
| **5** | z | t | n | - |
| **6** | z | r | n | - |

Signif $=2\sum\_{r=1}^{R}\left(K\_{r} log\_{2}\left[\frac{K\_{r}}{K}×\frac{N}{N\_{r}}\right]\right)$

BS = 2; R = 2

|  |  |  |  |
| --- | --- | --- | --- |
| **NewStar** | **A1=x** | **A1=y** | **A1=z** |
| **Signif** | 0 | 4 | 4 |
| **∑+** | log21 = 0 | 2log2(2/2\*6/3) = 2 | 0 |
| **∑-** | log2(1/2\*6/3) = 0 | 0 | 2log2(2/2\*6/3) = 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| **NewStar** | **A2=r** | **A2=s** | **A2=t** |
| **Signif** | 0,49 | 0 | 2 |
| **∑+** | 2log2(2/3\*6/3) = 0,83 | 1log2(1/2\*6/3) = 0 | 0 |
| **∑-** | 1log2(1/3\*6/3) = -0,585 | 1log2(1/2\*6/3) = 0 | 1log2(1\*6/3) = 1 |

|  |  |  |
| --- | --- | --- |
| **NewStar** | **A3=m** | **A3=n** |
| **Signif** | 0 | 0 |
| **∑+** | 1log2(1/2\*6/3) = 0 | 2log2(2/4\*6/3) = 0 |
| **∑-** | 1log2(1/2\*6/3) = 0 | 2log2(2/4\*6/3) = 0 |

BEST = {y1 = z}

NewStar = {A1=z, A1=y}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NewStar** | **A1 = y & A2 = r** | **A1 = y & A2 = s** | **A1 = y & A2 = t** | **A1 = y & A3 = m** | **A1 = y & A3 = n** |
| **Signif** | 2 | 2 | 0 | 0 | 4 |
| **∑+** | 1log2(1/1\*6/3) | 1 | 0 | 0 | 2 |
| **∑-** | 0 | 0 | 0 | 0 | 0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NewStar** | **A1 = z & A2 = r** | **A1 = z & A2 = s** | **A1 = z & A2 = t** | **A1 = z & A3 = m** | **A1 = z & A3 = n** |
| **Signif** | 2 | 0 | 2 | 0 | 4 |
| **∑+** | 0 | 0 | 0 | 0 | 0 |
| **∑-** | 1 | 0 | 1 | 0 | 2 |

BEST = {y1 = z}

NewStar = {A1=z & A3=n, A1=y & A3=n}

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **NewStar** | **y & r & n** | **y & s & n** | **y & t & n** | **z & t & n** | **z & s & n** | **z & t & n** |
| **Signif** | 2 | 2 | 0 | 2 | 0 | 2 |
| **∑+** | 1 | 1 | 0 | 0 | 0 | 0 |
| **∑-** | 0 | 0 | 0 | 1 | 0 | 1 |

**IF** A1=Z **THEN** –

**ELSE** **IF**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A1** | **A2** | **A3** | **T** |
| **1** | x | r | m | + |
| **2** | y | r | n | + |
| **3** | y | s | n | + |
| **4** | x | s | m | - |

|  |  |  |
| --- | --- | --- |
| **NewStar** | **A1=x** | **A1=y** |
| **Signif** | 0,83 | 1,66 |
| **∑+** | 1log2(1/2\*4/3) = -0,585 | 2log2(2/2\*4/3) = 0,83 |
| **∑-** | 1 | 0 |

|  |  |  |
| --- | --- | --- |
| **NewStar** | **A2=r** | **A2=s** |
| **Signif** | 1,66 | 0,83 |
| **∑+** | 2log2(2/2\*4/3) = 0,83 | 1log2(1/2\*4/3) = -0,585 |
| **∑-** | 0 | 1 |

|  |  |  |
| --- | --- | --- |
| **NewStar** | **A3=m** | **A3=n** |
| **Signif** | 0,83 | 1,66 |
| **∑+** | 1log2(1/2\*4/3) = -0,585 | 2log2(2/2\*4/3) = 0,83 |
| **∑-** | 1 | 0 |

NewStar = {A1=y, A3=n}

BEST = {A1=y}

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NewStar | y & r | y & s | y & n | y & m | x & n | y & n | r & n | s & n |
| SIGNIF | 0,83 | 0,83 | 1,66 | 0 | 0 | - | 0,83 | 0,83 |
| ∑+ | 0,415 | 0,415 | 0,83 | 0 | 0 | - | 0,415 | 0,415 |
| ∑- | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 |

NewStar = {A1=y & A3=n, A1=y & A2=s}

BEST = {A1=y}

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NewStar | y & r & n | y & s & n | y & s & m | y & s & n |
| SIGNIF | 0,83 | 0,83 | 0 | 0,83 |
| ∑+ | 0,415 | 0,415 | 0 | 0,415 |
| ∑- | 0 | 0 | 0 | 0 |

**IF** A1=z **THEN –**

**ELSE IF** A1=y **THEN +**

**ELSE ...**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A1** | **A2** | **A3** | **T** |
| **1** | x | r | m | + |
| **4** | x | s | m | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NewStar | A1=x | A2=r | A2=s | A3=m |
| SIGNIF | 0 | 2 | 2 | 0 |
| ∑+ | 1\*log2(1/2 \* 2) = 0 | 1 \* log2(1\*2) = 1 | 0 | 0 |
| ∑- | 0 | 0 | 1 | 0 |

BEST = { A2=r }

NewStar = { A2=r, A2=s }

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NewStar | x & r | r & m | x & s | s & m |
| SIGNIF | 2 | 2 | 2 | 2 |
| ∑+ | 1 | 1 | 0 | 0 |
| ∑- | 0 | 0 | 1 | 1 |

BEST = { A2=r }

NewStar = { A2=r & A1=x, A2=s & A1=x }

|  |  |  |
| --- | --- | --- |
| NewStar | x & r & m | x &s & m |
| SIGNIF | 2 | 2 |
| ∑+ | 1 | 0 |
| ∑- | 0 | 1 |

**IF**  A1=z **THEN –**

**ELSE** IF A1=y **THEN +**

**ELSE IF** A2=r **THEN +**

**ELSE –**