## **Solution - DMN**

Decision Model Notation for eligibility of the candidate



| Eligibility |   |                  |                    |
|-------------|---|------------------|--------------------|
|             | Bachelor Degree in  | Accreditation    | Candidate Eligible |
|             | Information Systems, Business<br>Administration, Information<br>Technology, none, other | yes, no, unclear | true, false        |
| 1           | none  |                  | false              |
| 2           |   | no               | false              |
| 3           | Information Systems   | yes              | true               |
| 4           | Business Administration   | yes              | true               |
| 5           | Information Technology  | yes              | true               |
| 6           | other   | yes              | true               |
| 7           | Information Systems   | unclear          | true               |
| 8           | Business Administration   | unclear          | true               |
| 9           | Information Technology  | unclear          | true               |
| 10          | other   | unclear          | true               |

Alternatively one could also split the decision table into two tables, which avoids to repeat the different kinds of Bachelor Degrees.



| Candidate Eli | gible           |                       |                    |
|---------------|-----------------|-----------------------|--------------------|
|               | Bachelor Degree | University accredited | Candidate eligible |
|               | yes, no         | yes, no, unclear      | true, false        |
| 1             | yes             | yes                   | true               |
| 2             | no              |                       | false              |
| 3             |                 | no                    | false              |
| 4             | yes             | unclear               | true               |

| Bachelor Deg | ree   |                 |
|--------------|---|-----------------|
|              | Bachelor Degree in  | Bachelor Degree |
|              | Information Systems, Business Administration, Information |                 |
|              | Technology, other, none ye                                |                 |
| 1            | Information Systems                                       | yes             |
| 2            | Business Administration                                   | yes             |
| 3            | Information Technology                                    | yes             |
| 4            | other   | yes             |
| 5            | none  | no              |



## Decision Model Notation for acceptance of the candidate



| Candidate accer | ptable                |                 |                  |                    |
|-----------------|-----------------------|-----------------|------------------|--------------------|
|                 | University accredited | Bachelor Degree | Grade assessment | Candidate accepted |
|                 | yes, no               | yes, no         | good, not good   | yes, no            |
| 1               | yes                   | yes             | good             | yes                |
| 2               | no                    |                 |                  | no                 |
| 3               |                       | no              |                  | no                 |
| 4               |                       |                 | not good         | no                 |

| Bachelor Deg | ree   |                 |
|--------------|---|-----------------|
|              | Bachelor Degree in  | Bachelor Degree |
|              | Information Systems, Business Administration, Information | yes, no         |
|              | Technology, other, none                                   |                 |
| 1            | Information Systems                                       | yes             |
| 2            | Business Administration                                   | yes             |
| 3            | Information Technology                                    | yes             |
| 4            | other   | no              |
| 5            | none  | no              |

| Grade assessment |               |                  |
|------------------|---------------|------------------|
|                  | Grade         | Grade assessment |
|                  | A, B, C, D, E | good, not good   |
| 1                | А             | good             |
| 2                | В             | good             |
| 3                | С             | not good         |
| 4                | D             | not good         |
| 5                | E             | not good         |



## Decision Model Notation for the tuition fee



| Tuition Fee           |             |                 |             |
|-----------------------|-------------|-----------------|-------------|
|                       | Citizenship | Swiss Residence | Tuition Fee |
| Swiss, EU/EFTA, Other |             |                 | 700, 7500   |
| 1                     | = Swiss     |                 | 700         |
| 2                     | = EU/EFTA   |                 | 700         |
| 3                     | = Other     | = C             | 700         |
| 4                     | = Other     | <> C            | 7500        |

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