Manual implementation of DCP on Be, True and Equal.

Initialization:

Initial Concept C_i.j.k = "Be".

No maximum depth level N.

No maximum number of subconcepts per concept M.

$$Cp = [Be_0.1.0], Ca = [], W = [], Nr = [], QC = []$$

Process:

1

$$Cp = [Be_0.1.0], Ca = [], W = [], Nr = [], QC = []$$

1.

2.

1.

2.

1.

2.

3.

```
Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2], W = [Exist_3.1.1, Be_3.2.1, Exist_3.3.2, Objective_3.4.2, Exist_3.5.3, Objective_3.6.3, Compliance_3.7.4], Nr = [], QC = [], Bt = [{Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, {Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}]
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Cp = [Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2], W = [], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}]

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4], W = [Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Object_4.5.4, Object_4.6.6, Equal_4.7.7], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}]

2.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4], W = [Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Object_4.5.4, Object_4.6.6, Equal_4.7.7], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6]

3.

Cp = [Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4], W = [], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7], W = [Exist_5.1.1, Objective_5.2.1, Compliance_5.3.2, Exist_5.4.3, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6]

2.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7], W = [Exist_5.1.1, Objective_5.2.1, Compliance_5.3.2, Exist_5.4.3, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], Nr = [Be_3.2.1, Exist_3.5.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6], Bt = [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}]

Cp = [Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7], W = [], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_5.1.1}, {Exist_5.1.3}]]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], W = [Object_6.1.2, Equal_6.2.3, Object_6.3.5, Equal_6.4.6, Measure_6.5.7], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}]]

2.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], W = [Object_6.1.2, Equal_6.2.3, Object_6.3.5, Equal_6.4.6, Measure_6.5.7], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5]

3.

Cp = [Equal_6.2.3, Equal_6.4.6, Measure_6.5.7], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6], W = [], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, {Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_5.4.3}, Object_6.1.2, Object_6.3.5]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7], W = [Quantity_7.1.2, Quantity_7.2.4, Quantity_7.3.5, Unit_7,4,5], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1},{Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5]

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7], W = [Quantity_7.1.2, Quantity_7.2.4, Quantity_7.3.5, Unit_7,4,5], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5], Bt = [{Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}]

3.

Cp = [Quantity_7.1.2, Quantity_7.2.4, Unit_7,4,5], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7], W = [J, Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7,4,5], W = [Measure_8.1.1, Measure_8.2.2, Quantity_8.3.4, Measure_8.4.4], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}]

2.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5], W = [Measure_8.1.1, Measure_8.2.2, Quantity_8.3.4, Measure_8.4.4], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}], Bt = [{Measure_6.5.7, Unit_7.4.5, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4}]

Cp = [Measure_8.1.1, Measure_8.2.2], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5], W = [], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1},{Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1},{Exist_5.1.1},{Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5, Measure_8.4.4},{Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4}]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2], W = [Unit_9.1.1, Quantity_9.2.1, Unit_9.3.2, Quantity_9.4.2], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5}, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4}]

2

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2], W = [Unit_9.1.1, Quantity_9.2.1, Unit_9.3.2, Quantity_9.4.2], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5}, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4}], Bt = [{Quantity_7.1.2, Measure_8.1.1, Quantity_9.2.1}, {Quantity_7.2.4, Measure_8.2.2, Quantity_9.4.2}]

3.

Cp = [Unit_9.1.1, Unit_9.3.2], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2], W = [], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4, Quantity_9.4.2,

Quantity_9.2.1], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1},{Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1},{Exist_5.1.1},{Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5}, Measure_8.4.4},{Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4}, {Quantity_7.1.2, Measure_8.1.1}, Quantity_9.2.1}, {Quantity_7.2.4, Measure_8.2.2, Quantity_9.4.2}]

1.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2, Unit_9.1.1, Unit_9.3.2], W = [Quantity_10.1.1, Measure_10.2.1, Quantity_10.3.3, Measure_10.4.3], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4, Quantity_9.4.2, Quantity_9.2.1], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1}, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1}, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_9.2.1}, {Quantity_5.7.6, Measure_8.2.2, Quantity_9.4.2}]

2.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2, Unit_9.1.1, Unit_9.3.2], W = [Quantity_10.1.1, Measure_10.2.1, Quantity_10.3.3, Measure_10.4.3], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4, Quantity_9.4.2, Quantity_9.2.1], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1}, Be_3.2.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1}, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7}, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_9.4.2}], Bt = [{Quantity_7.1.2, Measure_8.1.1, Quantity_9.2.1}, {Quantity_9.4.2}], Bt = [{Quantity_7.1.2, Measure_8.1.1, Unit_9.1.1, Quantity_10.1.1}, {Measure_8.2.2, Quantity_9.4.2}], Measure_10.2.1}, {Quantity_9.4.2}], Measure_10.2.1}, {Quantity_9.4.2}]

3.

Cp = [], Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2, Unit_9.1.1, Unit_9.3.2], W = [], Nr = [Be_3.2.1, Exist_3.5.3, Object_4.5.4, Object_4.6.6, Exist_5.1.1, Exist_5.4.3, Object_6.1.2, Object_6.3.5, Quantity_7.3.5, Measure_8.4.4, Quantity_8.3.4, Quantity_9.4.2, Quantity_9.2.1, Measure_10.4.3, Quantity_10.3.3, Measure_10.2.1, Quantity_10.1.1], QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1}, Exist_5.1.1}, {Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1}, Exist_5.1.1}, {Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7}

Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5, Measure_8.4.4}, {Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4} {Quantity_7.1.2, Measure_8.1.1, Quantity_9.2.1}, {Quantity_7.2.4, Measure_8.2.2, Quantity_9.4.2}, {Quantity_7.1.2, Measure_8.1.1, Unit_9.1.1, Quantity_10.1.1}, {Measure_8.1.1, Unit_9.1.1, Measure_10.2.1}, {Quantity_7.2.4, Measure_8.2.2, Unit_9.3.2, Quantity_10.3.3}, {Measure_8.2.2, Unit_9.3.2, Quantity_10.3.3}, {Measure_8.2.2, Unit_9.3.2, Quantity_10.3.3}, {Measure_10.4.3}]

Output

Ca = [Be_0.1.0, Occur_1.1.1, Exist_1.2.1, Happen_2.1.1, Real_2.2.1, Real_2.3.2, True_2.4.2, Exist_3.1.1, Exist_3.3.2, Objective_3.4.2, Objective_3.6.3, Compliance_3.7.4, Real_4.1.1, True_4.2.1, Real_4.3.3, True_4.4.3, Equal_4.7.7, Objective_5.2.1, Compliance_5.3.2, Objective_5.5.3, Compliance_5.6.4, Quantity_5.7.6, Equal_6.2.3, Equal_6.4.6, Measure_6.5.7, Quantity_7.1.2, Quantity_7.2.4, Unit_7.4.5, Measure_8.1.1, Measure_8.2.2, Unit_9.1.1, Unit_9.3.2]

QC = [{Be_0.1.0, Occur_1.1.1, Happen_2.1.1, Be_3.2.1},{Exist_1.2.1, Real_2.3.2, Exist_3.5.3}, Object_4.5.4, Object_4.6.6, [{Exist_3.1.1, Real_4.1.1, Exist_5.1.1},{Exist_3.3.2, Real_4.3.3, Exist_5.4.3}, Object_6.1.2, Object_6.3.5, {Quantity_5.7.6, Measure_6.5.7, Quantity_7.3.5}, {Measure_6.5.7, Unit_7.4.5}, Measure_8.4.4},{Quantity_5.7.6, Measure_6.5.7, Unit_7.4.5, Quantity_8.3.4} {Quantity_7.1.2, Measure_8.1.1, Quantity_9.2.1}, {Quantity_7.2.4, Measure_8.2.2, Quantity_9.4.2},{Quantity_7.1.2, Measure_8.1.1, Unit_9.1.1}, Quantity_10.1.1}, {Measure_8.1.1, Unit_9.1.1, Measure_10.2.1}, {Quantity_7.2.4, Measure_8.2.2, Unit_9.3.2, Quantity_10.3.3},{Measure_8.2.2, Unit_9.3.2, Measure_10.4.3}]

Simplifying, the resulting Conceptual Quarcks after applying DCP on Be, True and Equality are:

QC [{Be,Occur,Happen}, {Exist,Real}, Object, {Quantity,Measure,Unit}, {Quantity, Measure}]