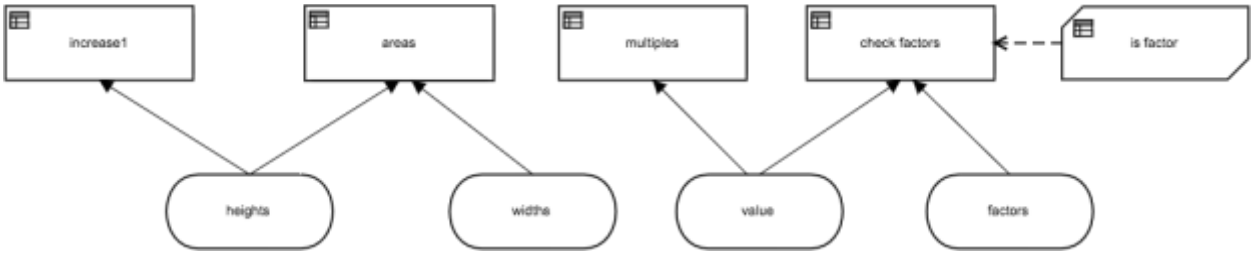
Loops

Decision Requirement Diagram



Elements

increase1 (Decision)

Output Data Type

Type	ListOfNumbers

Decision Logic (Literal Expression)

increase1
ListOfNumbers

```
for h in heights return h + 1
```

areas (Decision)

Output Data Type

Type	ListOfNumbers

Decision Logic (Literal Expression)

areas
ListOfNumbers

```
for h in heights, w in widths return h * w
```

multiples (Decision)

Output Data Type

Type	ListOfNumbers

Decision Logic (Literal Expression)

multiples
ListOfNumbers

```
for x in [2, 3, 4, 5] return x * value
```

check factors (Decision)

Output Data Type

Type	ListOfBooleans

Decision Logic (Literal Expression)

check factors
ListOfBooleans

```
for f in factors return is factor( value, f )
```

is factor (Business Knowledge Model)

Output Data Type

Type	Boolean

Decision Logic (Function - Expression)

is factor
Boolean

F	(value *Number* , factor *Number*)

```
value / factor = decimal( value / factor, 0 )
```

heights (Input Data)

Input Data Type

Type	ListOfNumbers

widths (Input Data)

Input Data Type

Type	ListOfNumbers

value (Input Data)

Input Data Type

Type	Number

factors (Input Data)

Input Data Type

Type	ListOfNumbers

Data Types

ListOfNumbers

Number

ListOfBooleans

Boolean