**Context Definition:**

For the purpose of simplicity, we can use literals and few logical operators to define the context in our motivational scenario. I can think of following constructs that can be used to define contexts.

|  |  |
| --- | --- |
| Symbol | Usage |
| # | Cardinality e.g. #workers means No. of workers |
| @ | Place e.g. @machine or @factory |
| != | Not equal to |
| & | AND |
| | | OR |
| ? | Unknown e.g. sensorStatus = ‘?’ |
| = | Equal To |
| % | For All |
| $ | There Exists Some Cases |

**Example:**

#availableWorkers <= 10 @machine &

#unitsOrdered >= 1000 &

%Sensors, sensorStatus != ‘Halted’|‘Stopped’|‘Malfunctioned’|’?’

**Goal/Intention Definition:**

Goals can be defined using Strings and that can be matched with a Query to search through the various process model alternatives available.

**Example:**

sealAndPack

lineAndWeld

skinAndConnect etc.

**Sub-Intention Definition:**

Sub-Goals can be defined using Strings too that can be as shown below. It can be taken into account while deploying an optimization strategy too.

**Example:**

highUtilizationHR

highAutomation

highThroughput

highProfit

highMaintenance etc.