```
-- @path MM1=/PolygonsMM/model/polygonsMM.ecore
-- @path MM2=/ClosedPolygonsMM/model/closedPolygonsMM.ecore

module DiazDeCerio;
create OUT : MM2 from IN : MM1;

rule polygonList2FigureCollection {
	from
		s : MM1!PolygonList
	to
		t : MM2!FigureCollection (
			figures <- s.polygons
		)
}


rule Triangle2Regular {
	from
		s : MM1!Triangle
	to
		t : MM2!Regular (
			name <- s.name,
			sides <- 3,
			isStable <- s.segments->exists(m|m.y1 = m.y2),
			segments <- s.segments
		)
}

rule Quadrilateral2Regular {
	from
		s : MM1!Quadrilateral
	to
		t : MM2!Regular (
			name <- s.name,
			sides <- 4,
			isStable <- s.segments->exists(m|m.y1 = m.y2),
			segments <- s.segments
		)
}

rule Pentagon2Regular {
	from
		s : MM1!Pentagon
	to
		t : MM2!Regular (
			name <- s.name,
			sides <- 5,
			isStable <- s.segments->exists(m|m.y1 = m.y2),
			segments <- s.segments
		)
}
```

```
rule Other2Irregular {
	from
		s : MM1!Other
	to
		t : MM2!Irregular (
			name <- s.name,
			sides <- 1,
			isStable <- s.segments->exists(m|m.y1 = m.y2),
			segments <- s.segments
		)
}

rule Segment2Segment {
	from
		s : MM1!Segment
	to
		t : MM2!Segment (
			name <-
			'('.concat(s.x1.toString()).concat(',').concat(s.y1.toStri
			ng()).concat(')').concat('-
			').concat('('.concat(s.x2.toString()).concat(',').concat(s
			.y2.toString()).concat(')')),
			anchor <- p,
			vector <- v
		),
		p :MM2!Point(
			name <-
			'('.concat(s.x1.toString()).concat(',').concat(s.y1.toStri
			ng()).concat(')'),
			x <- s.x1,
			y <- s.y1
		),
		v : MM2!Vector(
			i <- s.x2-s.x1,
			j <- s.y2-s.y1,
			name <- '('.concat((s.x2-
			s.x1).toString()).concat(',').concat((s.y2-
			s.y1).toString()).concat(')')
		)
}
```