Table 1: BPI Challenge 2011

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	bilirubin - total glucose	$Diagnosis\ code = DC822$ $Treatment\ Code = TC3101\ \&\ Diagnosis = Maligne\ neoplasma\ cervix\ uteri\ \&\ Specialism\ Code = SC86$	0.15	0.92
Response	platelet count demurrage - all spec.beh.kindberg.-Reval.	$Diagnosis\ code = M13$ $Treatment\ Code = TC803\ \&\ Diagnosis = maligniteit\ cervix\ \&\ Group = Nursingward$	0.16	0.82
Precedence	sodium flame photometry differential count automatically	$TreatmentCode = TC3101\ \&\ Diagnosis = Maligne\ neoplasma\ cervix\ uteri$ $Diagnosis\ Code = DC822$	0.22	0.75
Precedence	leukocyte count electronic creatinine	$Group = General\ Lab\ Clinical\ Chemistry\ \&\ Treatment\ Code = TC113\ \&\ Specialism\ code = SC86$ $Diagnosis\ Code = DC822$	0.17	0.75
Precedence	bilirubin - total glucose	$Treatment\ Code = TC803\ \&\ Group = General\ Lab\ Clinical\ Chemistry$ $Diagnosis\ code \neq [DC821,\ DC822,\ DC839,\ DC106,\ DC823]\ \&\ Diagnosis \neq Gynaecologische\ tumoren$	0.53	0.95
Precedence	differential count automatically creatinine	$Treatment\ Code = TC113\ \&\ Specialism\ Code = SC86\ \&\ Diagnosis = Maligne\ neoplasma\ cervix\ uteri$ $Diagnosis\ Code = DC822$	0.15	0.68
Precedence	demurrage - all spec.beh.kinderg.-Reval. hemoglobin photoelectric	$Group = Nursing\ ward\ \&\ Treatment\ Code = TC3101\ \&\ Specialism\ Code = SC7\ \&\ Section = Section\ 2$ $Diagnosis\ Code = DC822$	0.1	0.62
Chain Response	alkaline phosphatase-kinetic sodium flame photometry	$Diagnosis\ Code = M13\ \&\ Diagnosis \neq Gynaecologische\ tumoren$ $Specialism\ Code = SC86\ \&\ Section = Section\ 4\ \&\ Treatment\ Code = TC803$	0.17	0.92
Chain Response	SGOT - Asat kinetic SGPT - alat kinetic	$Diagnosis\ Code = M16$ $Group = General\ Lab\ Clinical\ Chemistry\ \&\ Specialism\ Code = SC86\ \&\ Section = Section\ 4$	0.15	0.96
Responded Existence	Potassium flame photometry - urgent leukocyte count electronic	$Diagnosis \neq Gynaecologische\ tumoren$ $Treatment\ Code = TC803\ \&\ Specialism\ Code = SC86\ \&\ Producer\ Code = HAEM$	0.85	0.89
Responded Existence	190021 clinical admission A002 SGOT - Asat kinetic	$Diagnosis\ Code \neq M14\ \&\ Diagnosis \neq Sarcoom\ corpus\ uteri$ $Group = General\ Lab\ Clinical\ Chemistry\ \&\ Diagnosis = Maligne\ neoplasma\ cervix\ uteri\ \&\ Specialism\ Code = SC86$	0.87	0.91

Table 2: BPI Challenge 2015 - 1

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	regular procedure without MER	$Request\ Complete = TRUE\ \&\ Parts = Bouw$	0.29	0.74
	request complete	$Responsible\ Actor = RA4901428\ \&\ Resource = R3273854\ \&\ Monitoring\ Resource = MR3273854$		
Response	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw$	0.35	0.96
	enter senddate decision environmental permit	$Responsible\ Actor = RA4901428\ \&\ Resource = R560890\ \&\ Last\ Phase = Beschikking\ verzonden\ \&\ Monitoring\ Resource = MR560890$		
Response	procedure change	$Request\ Complete = TRUE$	0.42	0.57
	enter senddate decision environmental permit	$Responsible\ Actor = RA4901428\ \&\ Resource = R560890\ \&\ Monitoring\ Resource = MR560890$		
Precedence	procedure change	$Responsible\ Actor = RA4901428\ \&\ Resource = R3273854\ \&\ Monitoring\ Resource = MR3273854$	0.37	0.97
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw$		
Precedence	register submission date request	$Responsible\ Actor = RA4901428\ \&\ Resource = R560872\ \&\ Monitoring\ Resource = MR560872$	0.27	0.98
	send confirmation receipt	$Request\ Complete = TRUE\ \&\ Term\ Name = Termijn\ bezwaar\ en\ beroep\ 1\ \&\ Parts = Bouw\ \&\ Resource \neq R9264148$		
Precedence	phase application received	$Responsible\ Actor = RA4901428\ \&\ Resource = R560872\ \&\ Last\ Phase = Beschikking\ verzonden\ \&\ Monitoring\ Resource = MR560464$	0.37	0.98
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw$		
Chain Response	forward to the competent authority	$Request\ Complete = TRUE\ \&\ Parts \neq Sloop$	0.28	0.51
	regular procedure without MER	$Responsible\ Actor = RA4901428\ \&\ Resource = R560872\ \&\ Monitoring\ Resource = MR2670601$		

Table 3: BPI Challenge 2015 - 2

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	procedure change	$RequestComplete = TRUE\ \&\ Parts = Bouw$	0.26	0.84
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Responsible\ Actor = RA560521\ \&\ Resource = R560530$		
Response	send confirmation receipt	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Responsible\ Actor \neq RA4634935$	0.23	0.73
	procedure change	$Responsible\ Actor = RA560458\ \&\ Resource = R560458$		
Precedence	procedure change	$Responsible\ Actor = RA560530\ \&\ Last\ Phase = Zaak\ afgehandeld$	0.13	0.88
	enter senddate decision environmental permit	$Parts = Kap$		
Precedence	send confirmation receipt	$Responsible\ Actor = RA560458\ \&\ Resource = R560532$	0.26	0.85
	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Responsible\ Actor \neq RA4634935$		
Responded Existence	enter senddate decision environmental permit procedure change	$Parts = Kap$ $Responsible\ Actor = RA560530\ \&\ Resource = R560530\ \&\ Monitoring\ Resource = MR560530$	0.13	0.9
Responded Existence	send confirmation receipt send confirmation receipt	$Request\ Complete = TRUE\ \&\ Parts = Kap$ $Responsible\ Actor = RA560458\ \&\ Resource = R560532$	0.1	0.82

Table 4: BPI Challenge 2015 - 3

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	request complete	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Resource = R560454\ \&\ Last\ Phase \neq Zaak\ afgehandeld$	0.1	0.78
	phase advice known	$Term\ Name = Termijn\ bezwaar\ en\ beroep\ 1\ \&\ Responsible\ Actor = RA560454\ \&\ Resource = R560454$		
Response	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Responsible\ Actor \neq RA2013365\ \&\ Last\ Phase \neq Zaak\ afgehandeld$	0.15	0.8
	enter senddate decision environmental permit	$TermName = Termijn\ bezwaar\ en\ beroep\ 1\ \&\ Responsible\ Actor = RA560454\ \&\ Resource = R560741$		
Precedence	send confirmation receipt	$Responsible\ Actor = RA560454\ \&\ Resource = R560673$	0.21	0.81
	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase \neq Zaak\ afgehandeld$		
Precedence	enter senddate acknowledgement	$Responsible\ Actor = RA560454\ \&\ Resource = R560673$	0.21	0.81
	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase \neq Zaak\ afgehandeld$		
Precedence	article 34 WABO applies	$Responsible\ Actor = RA560454\ \&\ Resource = R560454$	0.14	0.67
	generating decision environmental permit	$Parts = Bouw\ \&\ Responsible\ Actor \neq RA2013365\ \&\ Last\ Phase \neq Zaak\ afgehandeld\ \&\ Monitoring\ Resource \neq MR2013365$		
Responded Existence	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Parts = Bouw\ \&\ Last\ Phase \neq Zaak\ afgehandeld$	0.21	0.82
	send confirmation receipt	$Responsible\ Actor = RA560454\ \&\ Resource = R560673\ \&\ Last\ Phase = Beschikking\ verzonden$		
Responded Existence	send confirmation receipt	$Request\ Complete = TRUE\ \&\ Term\ Name = Termijn\ bezwaar\ en\ beroep\ 1\ \&\ Parts = Bouw\ \&\ Last\ Phase \neq Zaakafgehandeld$	0.18	0.93
	phase application received	$Responsible\ Actor = RA560454\ \&\ Resource = R560673\ \&\ Monitoring\ Resource = MR560696$		

Table 5: BPI Challenge 2015 - 4

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	register submission date request	$Parts = Kap$	0.11	0.81
	phase application received	$RequestComplete = TRUE\ \&\ Responsible\ Actor = RA560812\ \&\ Resource = R560781$		
Response	procedure change	$Request\ Complete = TRUE\ \&\ Parts = Bouw$	0.27	0.93
	enter senddate decision environmental permit	$Responsible\ Actor = RA560852\ \&\ Resource = R560781\ \&\ Last\ Phase = Besluit\ onherroepelijk$		
Response	forward to the competent authority	$Parts = Kap$	0.11	0.78
	regular procedure without MER	$Request\ Complete = TRUE\ \&\ Responsible\ Actor = RA560812\ \&\ Resource = R560781$		
Precedence	register submission date request	$Request\ Complete = TRUE\ \&\ Responsible\ Actor = RA560812\ \&\ Resource = R560781$	0.11	0.81
	phase application received	$Parts = Kap$		
Precedence	procedure change	$Responsible\ Actor = RA560852\ \&\ Resource = R560852\ \&\ Last\ Phase = Besluit\ onherroepelijk$	0.27	0.9
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw$		
Precedence	send confirmation receipt	$Responsible\ Actor = RA560852\ \&\ Resource = R560781$	0.27	0.89
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw$		
Precedence	register submission date request	$Responsible\ Actor = RA560852\ \&\ Resource = R560781$	0.3	1.0
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw$		

Table 6: BPI Challenge 2015 - 5

Template	Activation/Target	Activation/Target Condition	Support	Confidence
Response	request complete	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld$	0.12	0.88
	enter senddate decision environmental permit	$Responsible\ Actor = RA560604\ \&\ Resource = R560602\ \&\ Monitoring\ Resource = MR560604$		
Response	regular procedure without MER	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld\ \&\ Monitoring\ Resource \neq MR560429$	0.13	0.9
	request complete	$Responsible\ Actor = RA560604\ \&\ Resource = R560604$		
Response	send confirmation receipt	$RequestComplete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld$	0.16	0.87
	enter senddate decision environmental permit	$Responsible\ Actor = RA560604\ \&\ Resource = R560602$		
Precedence	regular procedure without MER	$Responsible\ Actor = RA560604\ \&\ Resource = R560604$	0.11	0.92
	request complete	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Responsible\ Actor \neq RA560429\ \&\ Last\ Phase = Zaak\ afgehandeld$		
Precedence	regular procedure without MER	$Responsible\ Actor = RA560600\ \&\ Resource = R560600$	0.1	0.96
	request complete	$Request\ Complete \neq TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld$		
Precedence	phase application received	$Responsible\ Actor = RA560604\ \&\ Resource = R1254625$	0.19	0.91
	enter senddate decision environmental permit	$Request\ Complete = TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld$		
Precedence	send confirmation receipt	$Responsible\ Actor = RA560600\ \&\ Resource = R560752$	0.11	0.97
	subcases completeness completed	$Request\ Complete \neq TRUE\ \&\ Parts = Bouw\ \&\ Last\ Phase = Zaak\ afgehandeld$		