

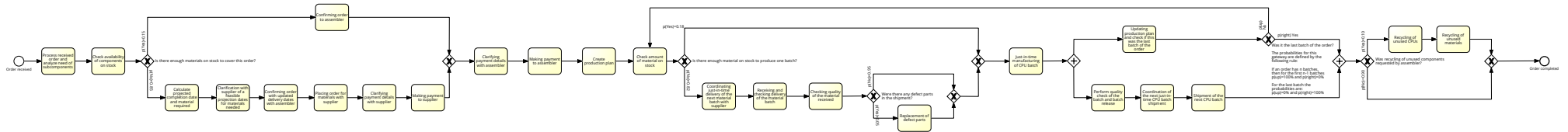
Public model

ID level 1	p of XOR	ID level 2	p of XOR	ID level 3	activity	time (hours)	human resource (in persons)	human resource (EUR/hour)	technical resources costs total (EUR)	reliability	total costs (EUR)	avg time	avg costs	avg reliability		
1	0,15 0,85	U1 D1 D2 D3 D4 D5	0,05	U1	Confirming order with assembler	1,00	1	25	0	99,00%	25,25					
					Clarification with supplier of a feasible projection dates for materials need	2,00	1	25	10	99,00%	60,61					
					Confirming order with updated delivery dates with assembler	1,00	1	25	0	99,00%	25,25					
					Placing order for materials with supplier	4,00	1	25	20	100,00%	120,00					
					Clarifying payment details with supplier	2,00	1	30	10	95,00%	73,68					
	Making payment to supplier	1,00			1	30	0	100,00%	30,00	8,65	266,90	93,99%				
	Clarifying payment details with assembler	2,00			1	30	10	100,00%	70,00	2	70,00	100,00%				
	Making payment to assembler	1,00			1	30	0	100,00%	30,00	1	30,00	100,00%				
	3	0,82			D1 D2	Coordinating just-in-time delivery of the next material batch with supplier	2,00	1	20	10	99,00%	50,51				
						Receiving and checking delivery of the material batch	3,00	3	20	50	100,00%	230,00				
Replacement of defect parts			6,00	1		20	50	99,40%	171,03	13,038	711,08		99,16%	0,9997		
Coordination of the next just-in-time CPU batch shipment			2,00	1		20	200	99,60%	240,96	6	722,89		99,60%			
4	0,10	U1 U2	Shipment of the next CPU batch	8,00	1	20	200	99,50%	361,81	24	1 085,43	94,89%	99,50%			
			recycling of unused CPUs	6,00	1	20	50	99,00%	171,72							
					recycling of unused materials	6,00	1	20	50	99,00%	171,72	1,2	34,34	99,80%		
average values ->												55,888	2 920,64	89,01%		

U = up (upper path)

D = down (bottom path)

Average number of batches, 3



Private model

ID level 1	p of XOR	ID level 2	p of XOR	ID level 3	activity	time (hours)	human resource (in persons)	human resource (EUR/hour)	technical resources costs total (EUR)	reliability	total costs (EUR)	avg time	avg costs	avg reliability	
1	0,15	U1	0,85	D1	process received order and analyze need of subcomponents	3,00	1	25	20	100,00%	95,00	3	95,00	100,00%	
					check availability of components on stock	2,00	2	25	20	100,00%	120,00	2	120,00	100,00%	
					Confirming order with assembler	1,00	1	25	0	99,00%	25,25				
					Calculate projected completion date and material required	4,00	2	25	10	95,00%	221,05				
					Clarification with supplier of a feasible projection dates for materials need	2,00	1	25	10	99,00%	60,61				
					Confirming order with updated delivery dates with assembler	1,00	1	25	0	99,00%	25,25				
					Placing order for materials with supplier	4,00	1	25	20	100,00%	120,00				
					Clarifying payment details with supplier	2,00	1	30	10	95,00%	73,68				
					Making payment to supplier	1,00	1	30	0	100,00%	30,00	12,05	454,79	90,04%	
					Clarifying payment details with assembler	2,00	1	30	10	100,00%	70,00	2	70,00	100,00%	
					Making payment to assembler	1,00	1	30	0	100,00%	30,00	1	30,00	100,00%	
					5					Create production plan	8,00	2	35	150	100,00%
6					Check amount of material on stock	2,00	2	25	20	100,00%	120,00	2	120,00	100,00%	
7	0,82	D1	0,05	U1	Coordinating just-in-time delivery of the next material batch with supplier	2,00	1	20	10	99,00%	50,51				
					Receiving and checking delivery of the material batch	3,00	3	20	50	100,00%	230,00				
					Checking quality of the material received	4,00	2	20	200	100,00%	360,00				
					Replacement of defect parts	6,00	1	20	50	99,40%	171,03	22,878	1 596,68	99,16%	0,9997
					Just-in-time manufacturing of CPU batch	15,00	8	25	6000	99,60%	9 036,14	45	27 108,43	99,60%	
					Updating production plan and check if this was the last batch of the order	4,00	2	35	150	100,00%	430,00	54	5 858,32	99,10%	
					Perform quality check of the batch and batch release	8,00	3	30	200	100,00%	920,00				
					Coordination of the next just-in-time CPU batch shipment	2,00	1	20	200	99,60%	240,96				
					Shipment of the next CPU batch	8,00	1	20	200	99,50%	361,81			93,75%	
1	0,10	U1	0,10	U2	recycling of unused CPUs	6,00	1	20	50	99,00%	171,72				
					recycling of unused materials	6,00	1	20	50	99,00%	171,72	1,2	34,34	99,80%	
average values ->												153	36 197,57	84,24%	

U = up (upper path)
D = down (bottom path)

Average number of batches, 3