	Complexity					goals							datos estimated vs reales									datos para el modelo predictivo de b						
pfile	Locations	sheet	color image	black image	side	image to print	plan actions	T	planning horizon	depth	time limit	estimated time	real time T	time to est	total time	est b	real b*	est N	real N	est Enodes	real Enodes	RVar	Rvar Root	fluents Root	producers	ProducersU	DRVar
1	11	1	Not	one by sheet	Front	1	5	1	2	6	1000	28,6	74	481	566	0	1,8	0	91	0	285	14	0	14	53	35	0
							3	2	3	6	2000	20,2	37	322	359	0	2,0	0	179	0	267	16	0	2	52	33	0
2	11	1	one by sheet	one by sheet	Front	2	8	1	3	6	1000	42,7	111	488	599	0	2,1	0	234	0	831	16	0	19	53	37	0
							5	2	5	6	3000	37,9	61	468	529	0	2,3	0	349	0	655	22	0	3	56	36	0
3	11	1		one by sheet	Front	2	8	1	4	6	1000	66,3	130	497	627	0	2,4	0	470	0	3610	23	0	19	56	40	0
							4	2	3	6	4000	38,2	41	402	444	0	2,2	0	275	0	623	21	0	8	56	37	0
			one by sheet		Back		1	3	1	6	3000	14,7	28	232	260	0	2,2	0	239	0	241	9	0	3	38	34	0
4	11	1		one by sheet	Front	3	12	1	4	6	1000	66,7	94	499	593	0	2,3	0	368	0	2799	23	0	23	60	44	0
							8	2	5	6	4000	57,6	64	545	609	0	2,2	0	287	0	1197	26	0	15	69	43	0
			one by sheet	one by sheet	Back		3	3	3	6	5000	40,9	54	370	424	0	2,5	0	497	0	698	18	0	4	63	39	0
5	11	1	one by sheet	one by sheet	Front	4	16	1	3	6	1000	65,396	61	566	628	0	2,1	0	197	0	788	18	0	27	61	44	0
							13	2	5	6	3000	57,6	38	561	600	0	1,8	0	85	0	339	19	0	19	61	44	0
			one by sheet	one by sheet	Back		8	3	5	6	5000	85,7	77	587	664	0	2,4	0	386	0	1641	26	0	16	71	45	0
6	11	2	Not	one by sheet	Front	2	10	1	4	6	1000	988,1	716	506	1223	0	2,8	0	910	0	20158	15	0	19	95	75	0
							6	2	4	6	4000	2194,7	960	584	1544	0	3,6	0	3954	0	36624	21	0	10	114	73	0
							2	3	2	6	4000	339,9	398	210	608	0	3,2	0	1841	0	14063	12	0	4	78	72	0
7	11	2	one by sheet	one by sheet	Front	4	16	1	4	6	1000	798,8	557	416	975	0	2,6	0	607	0	13288	15	0	31	100	83	0
							12	2	5	6	4000	1896,1	1251	530	1781	0	3,4	0	2864	0	46049	24	0	19	123	83	0
							7	3	5	6	5000	1878,0	1561	461	2022	0	4,0	0	6728	0	61761	24	0	12	123	82	0
8	11	2		one by sheet	Front	4	16	1	4	6	1000	710,7	621	505	1126	0	2,6	0	665	0	15200	18	0	33	115	84	0
							12	2	5	6	4000	1907,7	1413	491	1904	0	3,3	0	2487	0	54283	26	0	20	124	84	0
			one by sheet		Back		7	3	5	6	5000	1878,0	1611	589	2200	0	4,1	0	7808	0	68768	26	0	12	124	83	0
9	11	2		one by sheet	Front	6	24	1	4	6	1000	583,157	620	512	1133	0	2,6	0	635	0	14728	18	0	37	115	84	0
							20	2	5	6	4000	1511,1	1023	575	1598	0	3,3	0	2161	0	30471	23	0	28	118	84	0
			one by sheet	one by sheet	Back		15	3	3	6	5000	97,3	189	588	778	0	2,6	0	672	0	5642	18	0	28	64	44	0
10	11	2	one by sheet	one by sheet	Front	8	32	1	4	6	1000	592,2	627	414	1041	0	2,6	0	589	0	14160	18	0	39	115	84	0
							28	2	5	6	4000	1458,4	682	570	1253	0	3,0	0	1395	0	18827	23	0	30	118	84	0
			one by sheet	one by sheet	Back		23	3	5	6	5000	95,7	79	577	656	0	2,3	0	308	0	1159	22	0	28	67	44	0

mae: 167,772 fmae: 0,6812

dominio: cPrint sd: 282,7155

training: cPrint – 626 samples

model: time random forest ntree 100, mtry 3

approach: regressed partial states + filtering fluents f in root node, such as f is in the pre of action in the plan window