

Exam	note	total	max	1ResulatJointureExterne	1ResulatNJETprojection	1ResulatSelectOR	1expReIEquivalenteJoins2	1expReIEquivalenteSelecProject1	1sqjSelectWhereOR	2resEtudiantMLePlusAccepte	2resGBhaving	2resROJwithNull	2sqjSelectLike	3FN1	3FN3	3cles	3dIEFN	3dIspreservees	4decomp3FNaligo	4decompNBC	4decompNBCaligo	4decompNecesaire	4decompPASnecesaire	
	20.00	max		1,	1,	1,	4,	4,	4,	1,	1,	1,	4,	1,	1,	5,	4,	8,	3,	3,	1,	5,	5,	
	10.32	mean		1%	-11%	94%	45%	45%	68%	71%	80%	50%	69%	47%	41%	62%	78%	85%	24%	-4%	-5%	45%	19%	
1	13.25	38,	58,																					
2	9.75	28,	58,	1,	1,	1,	2.5	4,	1,	1,	1,	1,	-0.5	1,	2,	4,	8,							
3	9.50	27.5	58,	1,	-0.5	1,		4,	-0.5			1,	2.5	1,	1,	5,	4,	5,	1.5	0,	-0.5	2,	-1,	
4	17.75	51,	58,	-0.5	-0.5	1,	4,	4,	4,	1,	1,		4,	1,	1,	5,	4,	8,	3,		1,	5,	5,	
5	14.00	40,	58,	1,	-0.5	1,	1,	1,	-0.5	1,	1,	1,	4,	-0.5	1,	5,	4,	8,	3,	1.5	1,	3.5	3.5	
6	13.00	37,	58,	1,	-0.5	1,	4,	2.5	4,	1,	-0.5	1,	4,	1,	1,	3.5	4,	2,	1.5	1.5	-0.5	3.5	2,	
7	15.75	45,	58,	1,	-0.5	1,	4,	2.5	2.5	1,	1,	1,	2.5		1,	5,	4,	8,	1.5	3,	1,	3.5	2,	
8	10.00	29,	58,	-0.5	-0.5	1,	2.5	2.5	4,	1,	1,		1,	1,	1,	0.5	4,	2,	1.5	0,		3.5	3.5	
9	9.75	28,	58,	1,	-0.5	1,	1,	4,	-2,	1,	1,	1,	2.5	1,	-0.5	5,	1,	8,		0,	-0.5	2,	2,	
10	14.50	41.5	58,	1,	-0.5	1,	2.5	2.5	4,	1,	1,	1,	4,	1,	1,	3.5	4,	8,	1.5	0,	-0.5	5,	0.5	
11	13.00	37.5	58,	-0.5	-0.5	1,	2.5	4,	4,			1,	1,	4,	1,	-0.5	5,	4,	8,		-1.5	-0.5	3.5	2,
12	10.00	28.5	58,	-0.5	-0.5		2.5	1,	2.5	-0.5	1,	-0.5	4,	1,	1,	5,	1,	8,	0,	-1.5	-0.5	3.5	2,	
13	15.50	44.5	58,	1,	1,	1,	4,	4,	4,	1,	1,	1,	4,	1,	-0.5	3.5	4,	6.5	1.5	0,	-0.5	3.5	3.5	
14	10.00	28.5	58,	-0.5	-0.5	1,	1,	1,	1,	1,	-0.5	4,	-0.5	1,	3.5	4,	8,			-1.5		5,	0.5	
15	6.25	17.5	58,	-0.5	1,	1,	2.5	2.5	4,	1,	1,	1,	2.5	-0.5	-0.5	-1,	1,	6.5	0,	-1.5	1,	-2.5	-1,	
16	10.00	29,	58,		-0.5	1,		4,	1,	1,	-0.5	2.5	1,	1,	5,	4,	8,			-1.5	-0.5	2,	0.5	
17	9.50	27,	58,	-0.5	1,	1,	1,	2.5	4,	1,	1,	1,	4,	1,	1,		1,	6.5			-0.5	2,		
18	10.00	29,	58,	-0.5	-0.5	1,	1,	1,	4,	1,	1,	-0.5	4,	-0.5	-0.5	5,	1,	8,	0,	1.5	1,	2,		
19	14.25	41,	58,	1,	-0.5	1,		4,	1,	1,	1,	1,	4,	1,	1,	5,	4,	8,				1,	5,	3.5
20	15.00	43,	58,	-0.5	-0.5	1,	1,	4,	4,	1,	1,	1,	4,	-0.5	1,	3.5	4,	6.5	1.5	3,	1,	3.5	3.5	
21	9.50	27.5	58,	-0.5	-0.5	1,	4,	2.5	4,	1,	1,	-0.5	4,	-0.5		0.5	4,	3.5		-1.5	-0.5	3.5	2,	
22	5.00	14.5	58,	-0.5	-0.5	1,	2.5	1,	4,	1,	1,					0.5		5,				0.5	-1,	
23	10.75	31,	58,		-0.5	1,	-0.5	1,	-0.5	1,	-0.5		2.5	1,	-0.5	5,	4,	8,	3,	0,		3.5	3.5	
24	13.50	38.5	58,	-0.5	-0.5	1,	1,	4,	4,	-0.5	1,	1,	4,	-0.5	1,	5,	4,	8,	1.5	1.5	-0.5	2,	2,	
25	5.50	15.5	58,	-0.5	-0.5	1,	1,	2.5	4,		1,	-0.5	2.5	1,	-0.5		1,	0.5	3,	0,	-0.5	0.5		
26	14.00	40,	58,	1,	-0.5	1,	2.5	4,	4,	1,	1,	1,	4,	1,	1,	0.5	4,	8,	1.5	0,	-0.5	3.5	2,	
27	10.75	31,	58,	1,	-0.5	1,	2.5	1,	4,	1,	1,	1,	4,	1,	1,	0.5	4,	8,			-1.5		2,	
28	9.25	26.5	58,		-0.5	1,		-0.5	2.5	1,	1,		2.5	-0.5	1,	5,	4,	8,	1.5	-1.5	-0.5	0.5	2,	
29	6.25	17.5	58,			1,		1,	-0.5	1,			2.5	-0.5	0.5	4,	6.5			-1.5		3.5	0.5	
30	10.75	31,	58,	1,	1,	1,	2.5	2.5	-2,	1,	1,	1,	4,	1,	-0.5	5,	4,	8,					0.5	
31	10.75	30.5	58,		-0.5	1,	1,	2.5	4,	1,	1,	-0.5	4,		-0.5	5,	1,	8,	1.5	0,	-0.5	2,	0.5	
32	11.25	32.5	58,	-0.5	-0.5	1,	4,	1,	4,	1,	1,	1,	2.5	-0.5	1,	3.5	4,	8,			0,	-0.5	3.5	-1,
33	13.25	38,	58,	1,	1,	1,	4,	2.5	4,	1,	1,	1,		1,	1,	5,	4,	6.5	1.5	-1.5		3.5	0.5	
34	11.00	31.5	58,	-0.5	-0.5	1,		2.5	4,	-0.5	1,	1,	4,	1,	-0.5	5,	4,	8,				-0.5	2,	0.5
35	11.25	32.5	58,	-0.5	-0.5	-0.5	2.5	1,	2.5	1,	1,	1,	2.5	1,	-0.5	5,	4,	8,	3,	-1.5	-0.5	3.5	0.5	
36	11.75	34,	58,	1,	-0.5	1,	1,	-0.5	2.5	1,	1,	1,	2.5	1,	1,	5,	4,	8,	3,	-1.5	-0.5	2,	2,	
37	6.75	19,	58,	-0.5	-0.5	1,	4,		1,	1,	1,		2.5	1,	-0.5	0.5	2.5	-1,	1.5			3.5	2,	
38	4.25	12,	58,	-0.5	-0.5	1,			-0.5				2.5	1,	-0.5	2,	2.5	6.5	0,		-0.5	-2.5	0.5	
39	8.00	22.5	58,	-0.5	-0.5	1,		1,	4,	-0.5	1,		4,	1,	1,	5,		6.5		-1.5	1,			
40	7.50	21.5	58,	-0.5		1,		1,	1,	1,	1,	1,	1,	1,	1,	0.5	4,	8,				-0.5	2,	
41	12.25	35,	58,	-0.5	1,	1,	4,	4,	1,		1,	1,	2.5	-0.5		5,	4,	8,			0,	-0.5	2,	2,
42	11.00	31.5	58,	1,	1,	1,	2.5	4,	4,	1,	1,	1,		-0.5	-0.5	3.5	2.5	6.5	0,	0,	-0.5	3.5	0.5	
43	11.25	32.5	58,	-0.5	1,	1,		1,	4,		-0.5	1,		1,	1,	5,	4,	8,	0,	1.5	1,	2,	2,	
44	6.75	19.5	58,	-0.5	1,	1,	2.5	1,	1,	-0.5			2.5	1,	1,	3.5	4,	5,			-1.5	-0.5		-1,
45	8.75	25,	58,	-0.5	-0.5	1,	-0.5	-0.5	4,	1,	-0.5		2.5	1,	-0.5	5,	4,	8,	0,	1.5	-0.5		0.5	
46	11.00	31.5	58,	-0.5	-0.5	1,	4,	2.5	4,	1,	1,	1,		-0.5	1,	5,	4,	8,					0.5	
47	4.50	12.5	58,	-0.5	-0.5	1,		1,	-0.5		-0.5	1,	2.5	1,	-0.5	-1,	4,	5,					0.5	
48	12.25	35,	58,		-0.5	1,	2.5	2.5	4,	1,	1,		2.5	1,	1,	5,	4,	8,	0,			1,	0.5	0.5
49	7.25	21,	58,	-0.5	-0.5	1,	-0.5		-2,	1,	1,	-0.5	4,	1,	-0.5	2,	4,	8,	1.5	-1.5	-0.5	3.5	0.5	
50	7.25	21,	58,	-0.5	-0.5	1,	-0.5	-0.5	4,	1,	1,	1,	2.5			3.5	-0.5	8,	0,			-0.5	2,	
51	11.75	34,	58,	1,	-0.5	1,	2.5	4,	4,	1,	1,	1,	4,	1,		3.5	1,	8,	0,	-1.5	-0.5	3.5		
52	13.50	38.5	58,	-0.5	1,	1,	2.5	2.5	4,	-0.5	1,	1,	4,	1,	1,	0.5	4,	8,	0,	1.5	1,	3.5	2,	
53	7.00	20,	58,	-0.5	-0.5	1,			4,	1,	-0.5	-0.5	2.5	1,	1,	0.5	4,	6.5	0,		-0.5	0.5	0.5	
54	13.00	37,	58,	-0.5	1,	1,	2.5	1,	4,	1,	1,	1,	4,	1,	1,	3.5	4,	8,	1.5	-1.5	-0.5	3.5	0.5	
55	10.00	29,	58,	1,	-0.5	1,	4,	4,	4,	1,	1,	1,	4,			0.5		8,						
56	10.00	29,	58,	-0.5	-0.5	1,	1,	1,	4,	1,	1,				-0.5	5,	1,	8,	1.5	0,	1,	5,		
57	6.25	17.5	58,	-0.5	1,	1,	2.5	1,	2.5	-0.5	1,	1,	4,	-0.5	-0.5	0.5	1,	6.5	0,	-1.5	-0.5	2,	-2.5	
58	8.50	24,	58,	1,	1,	1,	2.5	-0.5	-0.5	1,	1,	1,	2.5	-0.5	1,	2,	4,	6.5				0.5	0.5	
59	10.75	31,	58,	-0.5	1,	1,	1,	2.5	2.5	1,	1,	-0.5	4,	1,	1,	3.5	4,	6.5	0,			2,		
60	13.00	37.5	58,	-0.5	-0.5	1,	2.5	2.5	2.5	1,	1,		4,	1,	1,	3.5	4,	6.5	1.5	1.5	-0.5	5,	0.5	
61	1.50	4,	58,	-0.5	-0.5	1,	1,	-0.5	2.5	1,	-0.5	-0.5	-0.5	-0.5	1,	-1,	2.5	-1,	0,	1.5	1,	0.5	-2.5	