

SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(CSE)

COURSE OUTCOMES:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Apply the knowledge of modular arithmetic to computer algorithms.
- CO5:** make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

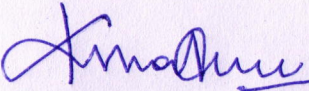
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	56	1.12	1.68	0	0	0	0	0	0	0	0	0	0.56
CO2	52	1.04	1.56	0	0	0	0	0	0	0	0	0	0.52
CO3	50	1.00	1.50	0	0	0	0	0	0	0	0	0	0.50
CO4	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
CO5	50	1.00	1.50	0	0	0	0	0	0	0	0	0	0.50
AVG	52	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.048

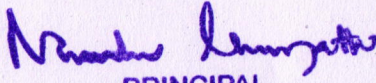
MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

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1SV23CS115	16	6	3	8	20	15		4	2	2	2	2	2	2	25	5	5	5	5	5	27	30	16	11	23	84.38	57.69	22.22	34.38	44.23						
1SV23CS116	17	2	8	3	20			10	16						22	4.4	4.4	4.4	4.4	4.4	24.4	7.4	14.4	14.4	37.4	76.25	14.23	20	45	71.92						
1SV23CS117	4	1	6	10	8			5	16	15	2			2	2	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	12.8	12.8	16.8	20.8	23.8	40	24.62	23.33	65	45.77
1SV23CS118	10	2	12	14	11	2		2	4	7					11	2.2	2.2	2.2	2.2	2.2	13.2	18.2	18.2	6.2	19.2	41.25	35	25.28	19.38	36.92						
1SV23CS119	7	11	9	10	8			18		20	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	14.8	16.8	44.8	6.8	33.8	46.25	32.31	62.22	21.25	65					
1SV23CS120	13	0	2	1	15	5		15		2	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	19.8	10.8	21.8	4.8	19.8	61.88	20.77	30.28	15	38.08					
1SV23CS121	11	6	17	9	5			20	7	2	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	11.8	15.8	49.8	13.8	19.8	36.88	30.38	69.17	43.13	38.08					
1SV23CS122	9	20	18	17	14	17		15	6						20	4	4	4	4	4	4	18	38	57	10	13	56.25	73.08	79.17	31.25	25					
																										55.11	51.62	49.18	53.53	49.58						


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS
ACADEMIC YEAR: 2023-2024



SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(AIDS)

COURSE OUTCOMES:

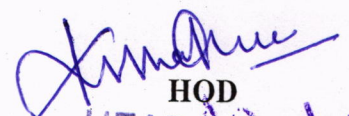
At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
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- CO5:** make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	66	1.32	1.98	0	0	0	0	0	0	0	0	0	0.66
CO2	57	1.14	1.71	0	0	0	0	0	0	0	0	0	0.57
CO3	58	1.16	1.74	0	0	0	0	0	0	0	0	0	0.58
CO4	72	1.44	2.16	0	0	0	0	0	0	0	0	0	0.72
CO5	54	1.08	1.62	0	0	0	0	0	0	0	0	0	0.54
AVG	61	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.228

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0


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SUBJECT: Mathematics-I for CSE Stream
SUBJECT CODE: BMATS101(ISE)

COURSE OUTCOMES:

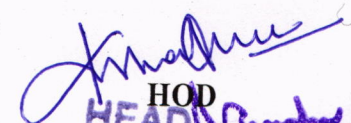
At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
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	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJMGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	57	1.13	1.70	0	0	0	0	0	0	0	0	0	0.57
CO2	48	0.96	1.44	0	0	0	0	0	0	0	0	0	0.48
CO3	51	1.02	1.53	0	0	0	0	0	0	0	0	0	0.51
CO4	68	1.36	2.04	0	0	0	0	0	0	0	0	0	0.68
CO5	67	1.34	2.01	0	0	0	0	0	0	0	0	0	0.67
AVG	58	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.162486

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2023-2024

SUBJECT: Mathematics-I for CV Stream
SUBJECT CODE: BMATC101

COURSE OUTCOMES:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
- CO2:** Able to find the Taylor's and Maclaurin's series, indeterminate forms, partial differentiation and maxima and minima for a function of two variable
- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Analyze the solution of higher order ordinary differential equations
- CO5:** Make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	57	1.13	1.70	0	0	0	0	0	0	0	0	0	0.57
CO2	32	0.64	0.96	0	0	0	0	0	0	0	0	0	0.32
CO3	43	0.86	1.29	0	0	0	0	0	0	0	0	0	0.43
CO4	40	0.80	1.20	0	0	0	0	0	0	0	0	0	0.40
CO5	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
AVG	48	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													0.96649

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

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Academic year:2023-24		SUB: Mathematics I for CV Stream										SUB CODE: BMATC101					1st SEM CV BRANCH														
USN	T1		T2			T3					ASSIGNMENT 10					SEE	SEE MARKS					FINAL					%				
	CO5-20	CO3-20	CO3-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	50		CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-32	CO2-52	CO3-72	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5
1SV23CV001	20	20	20	19	20	20			14	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	28.4	47.4	48.4	22.4	28.4	88.75	91.1538	67.2222	70	54.6154	
1SV23CV002	11	11	20	19	8				9	18	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	13.6	24.6	36.6	14.6	34.6	42.5	47.3077	50.8333	45.625	66.5385	
1SV23CV003	19	14	17	6	14				9	20	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	19.8	11.8	36.8	14.8	44.8	61.875	22.6923	51.1111	46.25	86.1538	
1SV23CV004	11		11	4	7				20	20	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	11.4	8.4	15.4	4.4	35.4	35.625	16.1538	21.3889	13.75	68.0769	
1SV23CV005	7	16	16		20				11	20	2	2	2	2	20	4	4	4	4	4	26	6	38	17	33	81.25	11.5385	52.7778	53.125	63.4615	
1SV23CV006	18	7			7				20	20	2	2	2	2	1	0.2	0.2	0.2	0.2	0.2	9.2	2.2	9.2	2.2	40.2	28.75	4.23077	12.7778	6.875	77.3077	
																									AVG	56.4583	32.1795	42.6852	39.2708	69.359	

K. Madhu
 HEAD
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N. Madhu Kumar
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SUBJECT: Mathematics-I for ME Stream
SUBJECT CODE: BMATM101

COURSE OUTCOMES:

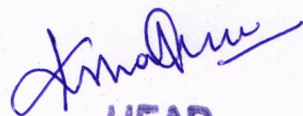
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	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

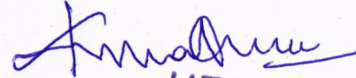
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	58	1.16	1.74	0	0	0	0	0	0	0	0	0	0.58
CO2	35	0.70	1.05	0	0	0	0	0	0	0	0	0	0.35
CO3	31	0.62	0.93	0	0	0	0	0	0	0	0	0	0.31
CO4	41	0.82	1.23	0	0	0	0	0	0	0	0	0	0.41
CO5	64	1.28	1.92	0	0	0	0	0	0	0	0	0	0.64
AVG	46	1	1	0	0	0	0	0	0	0	0	0	0
Final attainment level													0.916

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0


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Academic year:2023-24			SUB: Mathematics I for ME Stream							SUB CODE: BMATM101					1st SEM ME BRANCH															
USN	T1		T2		T3					ASSIGNMENT 10					SEE	SEE MARKS					FINAL					%				
	CO5-20	CO3-20	CO3-20	CO2-20	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2		50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-32	CO2-32	CO3-32	CO4-32	CO5-32	CO1	CO2	CO3	CO4
1SV23ME001	18	5	12	11	17				20	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	22.6	16.6	22.6	5.6	43.6	70.625	31.9231	31.3889	17.5	83.8462
1SV23ME002	12	1	7	8	15				7	17				7	24	4.8	4.8	4.8	4.8	4.8	21.8	14.8	14.8	13.8	35.8	68.125	28.4615	20.5556	43.125	68.8462
1SV23ME003	17	7	14	17	18				14	17				2	24	4.8	4.8	4.8	4.8	4.8	24.8	23.8	27.8	20.8	40.8	77.5	45.7692	38.6111	65	78.4615
1SV23ME004	5	7	4	9	6	20		3	5	7				2	24	4.8	4.8	4.8	4.8	4.8	24.8	23.8	27.8	20.8	40.8	77.5	45.7692	38.6111	65	78.4615
1SV23ME005	18	3	11		9				7					2	7	1.4	1.4	1.4	1.4	1.4	9.4	32.4	17.4	8.4	15.4	29.375	62.3077	24.1667	26.25	29.6154
1SV23ME007	17	3	20	10	13				11	18				2	13	2.6	2.6	2.6	2.6	2.6	13.6	4.6	18.6	11.6	22.6	42.5	8.84615	25.8333	36.25	43.4615
														21	4.2	4.2	4.2	4.2	4.2	4.2	19.2	16.2	29.2	17.2	41.2	60	31.1538	40.5556	53.75	79.2308
																									AVG	58.0208	34.7436	30.1852	40.3125	63.9103


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2023-2024

SUBJECT: Mathematics-I for ECE Stream
SUBJECT CODE: BMATE101

COURSE OUTCOME:

At the end of the course the student will be able to:

- CO1:** Apply the knowledge of calculus to solve problems related to polar curves.
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- CO3:** Analyze the solution of linear and non linear ordinary differential equations
- CO4:** Apply the concept of change of order of integration and variables to evaluate multiple integral and their usage in computing area and volume.
- CO5:** Make use of matrix theory for solving for system of linear equations and compute eigenvalues and eigenvectors

	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	70	1.40	2.10	0	0	0	0	0	0	0	0	0	0.70
CO2	72	1.44	2.16	0	0	0	0	0	0	0	0	0	0.72
CO3	52	1.04	1.56	0	0	0	0	0	0	0	0	0	0.52
CO4	48	0.96	1.44	0	0	0	0	0	0	0	0	0	0.48
CO5	40	0.80	1.20	0	0	0	0	0	0	0	0	0	0.40
AVG	56	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.128

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

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SIRA ROAD, TUMKUR- 572 106
DEPARTMENT OF MATHEMATICS



ACADEMIC YEAR: 2023-2024

SUBJECT: Mathematics-I for EEE Stream
SUBJECT CODE: BMATE101

COURSE OUTCOME:

At the end of the course the student will be able to:

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- CO4:** Apply the concept of change of order of integration and variables to evaluate multiple integral and their usage in computing area and volume.
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	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCIETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATION	PROJ MGMT FINANCE	LIFE LONG LEARN
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	3	0	0	0	0	0	0	0	0	0	1
CO2	2	3	0	0	0	0	0	0	0	0	0	1
CO3	2	3	0	0	0	0	0	0	0	0	0	1
CO4	2	3	0	0	0	0	0	0	0	0	0	1
CO5	2	3	0	0	0	0	0	0	0	0	0	1
AVG	2	3	0	0	0	0	0	0	0	0	0	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	64	1.28	1.92	0	0	0	0	0	0	0	0	0	0.64
CO2	62	1.24	1.86	0	0	0	0	0	0	0	0	0	0.62
CO3	46	0.92	1.38	0	0	0	0	0	0	0	0	0	0.46
CO4	40	0.80	1.20	0	0	0	0	0	0	0	0	0	0.40
CO5	43	0.86	1.29	0	0	0	0	0	0	0	0	0	0.43
AVG	51	1	2	0	0	0	0	0	0	0	0	0	1
Final attainment level													1.02

MAPPING CORRELATION	LOW	MODERATELY	HIGHLY	NO
	1	2	3	0

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Academic year:2023-24		SUB: Mathematics I for EEE Stream									SUB CODE: BMATS101					1ST SEM EEE BRANCH															
USN	T1		T2		T3					ASSIGNMENT 10					SEE	SEE MARKS					FINAL					%					
	CO5-20	CO3-20	CO3-20	CO2-20	CO1-20	CO2-10	CO3-10	CO4-20	CO5-10	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2		CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-32	CO2-52	CO3-72	CO4-32	CO5-52	CO1	CO2	CO3	CO4	CO5	
1SV23EE001	17	15	19	19	20	20		17		2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	26.4	45.4	40.4	23.4	23.4	82.5	87.31	56.11	73.13	45	
1SV23EE002	12	8	15	16	7	19		10		2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	13.2	41.2	29.2	16.2	18.2	41.25	79.23	40.56	50.63	35	
1SV23EE003	20	20	16	17	20	20		18		2	2	2	2	2	35	7	7	7	7	7	29	46	45	27	29	90.63	88.46	62.5	84.38	55.77	
1SV23EE004	20	15	20	18	20	20		19		2	2	2	2	2	35	7	7	7	7	7	29	47	44	28	29	90.63	90.38	61.11	87.5	55.77	
1SV23EE005	7	1	16	7	11	15		1		2	2	2	2	2	6	1.2	1.2	1.2	1.2	1.2	14.2	25.2	20.2	4.2	10.2	44.38	48.46	28.06	13.13	19.62	
1SV23EE006	15	6	6	0	11		20	4		2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	16.6	5.6	37.6	9.6	20.6	51.88	10.77	52.22	30	39.62	
1SV23EE007	9	3	7	11	11	20	20	7	20	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	17.2	37.2	36.2	13.2	35.2	53.75	71.54	50.28	41.25	67.69	
1SV23EE008	16	9	4	13	8		19	6		2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	11.8	16.8	35.8	9.8	19.8	36.88	32.31	49.72	30.63	38.08	
1SV23EE009	20	10	13	5	20	13				2	2	2	2	2	4	0.8	0.8	0.8	0.8	0.8	22.8	20.8	25.8	2.8	22.8	71.25	40	35.83	8.75	43.85	
1SV23EE010	19	17		6	13	20				2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18.8	31.8	22.8	5.8	24.8	58.75	61.15	31.67	18.13	47.69	
1SV23EE011	9	12	18	19	12			7	19	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	16.6	23.6	34.6	11.6	32.6	51.88	45.38	48.06	36.25	62.69	
1SV23EE012	16	20	20	20	18	20		9		2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	26.2	48.2	48.2	17.2	24.2	81.88	92.69	66.94	53.75	46.54	
1SV23EE013	1	6	8	4	11	15				2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	16.6	24.6	19.6	5.6	6.6	51.88	47.31	27.22	17.5	12.69	
1SV23EE014	20	8	10	18	19	20		20		2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	24.6	43.6	23.6	25.6	25.6	76.88	83.85	32.78	80	49.23	
1SV23EE015	16	5	19	18	19	20		11		2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	22.8	41.8	27.8	14.8	19.8	71.25	80.38	38.61	46.25	38.08	
1SV23EE016	9	15	8		16	4				2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	20.2	8.2	27.2	4.2	13.2	63.13	15.77	37.78	13.13	25.38	
1SV23EE017	15	6	10	1	12	14	6			2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	17.6	20.6	27.6	5.6	20.6	55	39.62	38.33	17.5	39.62	
1SV23EE018	13	10	15	13	13	20		8		2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	20.2	40.2	32.2	15.2	20.2	63.13	77.31	44.72	47.5	38.85	
1SV23EE020	16	13	13	13	17	19	17			2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	22.6	37.6	48.6	5.6	21.6	70.63	72.31	67.5	17.5	41.54	
																										AVG	63.55	61.28	45.79	40.36	42.25

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