	Serial F	Program				ds (encrypt guided and filter dynamic	d scheduling, prepare c scheduling)		ogram with 16 , prepare dyna dynamic s				Parallel Program with 48 threads (encrypt guided scheduling, prepare dynamic scheduling and filter dynamic scheduling)				
Filter Time	Encrypt Time	Prepare Time	TOTAL Time	Filter Time	Encrypt Time	Prepare Time	TOTAL Time	Filter Time	Filter Time Encrypt Time Prepar		TOTAL Time	Filter Time	<b>Encrypt Time Prepare Time</b>		TOTAL Time		
6.955,50	204,40			2.259,70	695,10	20,10	47,70	762,90	395,20	16,10	28,10	439,40					
7.123,80	205,00	708,40	8.037,20	2.002,10	61,60	189,90	2.253,60	741,10	19,30	47,50	807,90	394,10	16,20	24,40	434,70		
7.077,20	7.077,20 207,50		7.992,30	2.014,10	61,20	190,20	2.265,50	682,80	20,50	48,00	751,30	398,50	17,70	26,80	443,00		
6.955,10	6.955,10 205,10		7.870,00	1.996,10	60,90	191,10	2.248,10	730,30	20,30	47,30	797,90	410,00	16,90	27,50	454,40		
7.058,80	7.058,80 204,60		7.986,70	1.994,90	61,60	191,30	2.247,80	697,50	20,60	47,70	765,80	389,30	22,20	28,30	439,80		
6.955,30	6.955,30 205,00		7.867,80	2.011,30	62,20	189,90	2.263,40	694,80	20,00	47,70	762,50	388,40	16,30	21,60	426,30		
7.260,90	204,00	705,70	8.170,60	1.998,80	62,10	191,00	2.251,90	662,90	20,50	48,00	731,40	390,30	16,40	27,50	434,20		
7.261,80	204,10	706,40	8.172,30	2.009,10	62,40	190,10	2.261,60	641,40	20,90	47,70	710,00	391,10	17,00	27,80	435,90		
7.262,10	204,10	706,50	8.172,70	2.010,30	62,40	190,40	2.263,10	707,40	20,70	47,80	775,90	392,50	18,20	27,10	437,80		
6.954.70	205.00	707.50	7.867.20	1.997.20	61.60	191,10	2.249.90	634,90	20.80	48.10	703.80	394.70		26,00	438.40		
7.264,50	204,80	712,90	8.182,20	1.997,80	61.80	191,20	2.250,80	679,30	20,60	48,00	747,90	386,40		24,70	430.00		
234,00	204,00	2,00	0.102,20	1.037,00	3.,00	.0.,20	2.200,00	570,00	25,00	.5,00	,50	300,40	.5,50	2.,10	.50,00		
Serial	Time:	8.016,86															
4 Threads Pa		2.255,95															
16 Threads P		756,12															
	48 Threads Parallel Time:																
40 1111 Cuus 1	aranci riine.	437,63															
Effic	iencies and speed	l-uns	Times	(ms)													
Prepare		Prepare		()													
Prepare Efficiency 4	Threads	0,93 Serial		709,29													
Prepare Speed-up 4	repare Speed-up 4 Threads		3,72 4 Threads														
Prepare Efficiency 1	6 Threads	0,93 16 Threads		47,77													
Prepare Speed-up 1	6 Threads	14,85 48 Threads		26,35													
Prepare Efficiency 4	8 Threads	0,56															
Prepare Speed-up 4	8 Threads	26,92															
Effic	iencies and speed	•	Times	(ms)													
Filter			Filter														
Prepare Efficiency 4		.,	Serial	7.102,70													
Prepare Speed-up 4		-,-	4 Threads	2.003,62 687,95													
Prepare Efficiency 1		.,	0,65 16 Threads														
Prepare Speed-up 1 Prepare Efficiency 4		10,32	48 Threads	393,68													
Prepare Emiciency 4 Prepare Speed-up 4		18,04															
r repare opeed-up 4	o miedus	10,04															
Effic	iencies and speed	l-uns	Times	(ms)													
Filter	· · ·		Filter	()													
Prepare Efficiency 4	Threads		Serial	204,87													
Prepare Speed-up 4		.,	4 Threads	61,75													
Prepare Efficiency 1			16 Threads	20,39													
Prepare Speed-up 1		.,	48 Threads	17,60													
Prepare Efficiency 4		0,24															
Prepare Speed-up 4	8 Threads	11,64															

	Serial Pro	ogram			Parallel Progr scheduling, pr				Parallel Progr scheduling, pr	ram with 16 thr repare dynamic dynamic sche	scheduling	Parallel Program with 48 threads (encrypt guided scheduling, prepare dynamic scheduling and filter dynamic scheduling)				
Filter Time E	Encrypt Time P	repare Time	TOTAL Time		Filter Time En	crypt Time P	repare Time T	OTAL Time	Filter Time Er	ncrypt Time Pre	pare Time T	OTAL Time	Filter Time En	crypt Time Pre	pare Time T	OTAL Time
15.452,80	379,10	1.291,80	17.123,70		4.339,90	114,20	345,10	4.799,20	2.542,10	113,00	161,00	2.816,10	672,50	27,50	37,00	737,00
15.449,10	379,30	1.324,60	17.153,00		4.404,70	113,40	346,30	4.864,40	2.729,90	159,90	132,70	3.022,50	770,50	30,00	44,10	844,60
15.827,30	379,70	1.290,60	17.497,60		4.420,10	115,50	347,50	4.883,10	2.246,30	97,10	179,00	2.522,40	723,50	19,70	35,80	779,00
15.687,30	378,80	1.292,90	17.359,00		4.418,50	114,80	347,00	4.880,30	2.512,00	102,80	142,80	2.757,60	710,00	30,10	36,70	776,80
15.454,30	379,40	1.289,90	17.123,60		4.430,40	114,60	347,10	4.892,10	2.128,00	92,90	136,40	2.357,30	689,90	29,10	37,40	756,40
15.827,00	378,90	1.291,40	17.497,30		4.404,70	113,20	346,10	4.864,00	2.779,10	94,60	188,00	3.061,70	677,80	30,60	38,70	747,10
15.729,30	383,70	1.306,00	17.419,00		4.430,70	114,60	347,60	4.892,90	2.589,40	98,00	139,00	2.826,40	712,20	20,20	36,00	768,40
15.829,90	379,40	1.290,80	17.500,10		4.392,90	113,50	349,20	4.855,60	2.604,20	63,60	125,60	2.793,40	670,40	19,40	36,00	725,80
15.688,60	378,80	1.290,00	17.360,10		5.313,90	244,10	393,90	5.951,90	2.223,20	62,40	149,10	2.434,70	660,90	29,40	37,00	723,80
	379,10	1.293,40	17.500,80		4.338,10	115,90	347,50	4.801,50	2.661,20	85,40		2.877,20		29,40	36,60	778,70
15.832,90											130,60		712,70			
15.450,60	379,30	1.319,80	17.149,70		4.590,10	115,20	345,50	5.050,80	2.361,40	55,90	176,30	2.593,60	698,20	29,40	37,40	765,00
Serial T	Time:	17.335,27														
4 Threads Parallel Time:		4.975,98														
16 Threads Pa	16 Threads Parallel Time:															
48 Threads Pa	arallel Time:	764,19														
	cies and speed	•	_	Times (ms)												
Prepare	4 There are		Prepare		4000.00											
Prepare Efficienc			0,92 Serial 3.69 4 Threads		1296,36 351,73											
Prepare Speed-u Prepare Efficienc		-,	0.55 16 Threads		148,42											
Prepare Speed-u		-,	73 48 Threads		37,53											
Prepare Efficienc		0,73			37,33											
Prepare Speed-u	,	34,54														
. Topalo opoca a	ap 10 11110aa0	0.,0.														
Efficienc	cies and speed	d-ups		Times (ms)												
Filter			Filter													
Prepare Efficienc	cy 4 Threads	0,87	Serial		15677,85											
Prepare Speed-u	up 4 Threads	3,49	4 Threads		4489,39											
Prepare Efficienc	,	.,	16 Threads		2501,54											
Prepare Speed-u			48 Threads		700,04											
Prepare Efficienc	,	0,47														
Prepare Speed-u	up 48 Threads	22,40														
Efficienc	cies and speed	d-ups		Times (ms)												
Filter		•	Filter	, ,,,												
Prepare Efficienc	cy 4 Threads	0,75			379,62											
Prepare Speed-up 4 Threads		2,98	4 Threads		127,38											
Prepare Efficiency 16 Threads		0,24	16 Threads		96,97											
Prepare Speed-u		3,91	48 Threads		26,54											
Prepare Efficienc	cy 48 Threads	0,30														
Prepare Speed-up 48 Threads		14,30														

	Serial Pr	ogram			scheduling, pro	am with 4 the epare dynam dynamic sch	ic scheduling		Parallel Progr scheduling, pr		c scheduling	Parallel Program with 48 threads (encrypt guided scheduling, prepare dynamic scheduling and filter dynamic scheduling)					
Filter Time En	ncrypt Time P	repare Time	TOTAL Time		Filter Time En	crypt Time P	repare Time	TOTAL Time	Filter Time En	crypt Time Pr	epare Time T	OTAL Time	Filter Time Encrypt Time Prepare Time TOTAL Time				
47.588,50	1.086,30	3.526,80	52.201,60		14.483,20	567,70	1.000,60	16.051,50	5.264,90	94,00	228,00	5.586,90	1.627,20	47,70	84,60	1.759,50	
48.443,00	1.115,30	3.467,00	53.025,30		14.751,20	428,60	985,10	16.164,90	5.362,40	303,00	247,30	5.912,70	1.735,50	60,40	100,20	1.896,10	
45.688,10	1.078,60	3.459,80	50.226,50		15.766,10	456,70	907,90	17.130,70	5.710,10	148,00	294,50	6.152,60	1.637,80	46,50	85,00	1.769,30	
48.130,40	977,00	4.109,00	53.216,40		15.579,10	528,20	989,00	17.096,30	5.350,00	236,00	391,80	5.977,80	1.560,80	47,30	84,50	1.692,60	
49.566,70	989,10	3.469,10	54.024,90		15.430,40	507,50	956,90	16.894,80	6.407,00	193,10	269,10	6.869,20	1.627,20	47,10	84,40	1.758,70	
47.899,10	1.145,10	3.544,00	52.588,20		16.663,30	511,90	1.010,00	18.185,20	5.952,60	180,20	472,80	6.605,60	1.748,70	46,50	84,90	1.880,10	
48.129,90	1.089,00	3.514,20	52.733,10		14.566,10	486,90	1.050,60	16.103,60	5.679,90	250,00	431,50	6.361,40	1.627,20	61,10	86,00	1.774,30	
46.143,20	954,20	3.451,10	50.548,50		15.329,40	600,20	998,70	16.928,30	6.215,50	359,70	410,90	6.986,10	1.640,00	61,30	86,50	1.787,80	
50.321,10	1.190,10	3.529,20	55.040,40		14.307,90	401,50	901,20	15.610,60	6.000,70	202,00	378,10	6.580,80	1.655,90	47,00	85,00	1.787,90	
48.052,20	1.043,80	3.526,70	52.622,70		15.297,80	375,90	955,80	16.629,50	6.138,00	178,20	392,00	6.708,20	1.627,60	45,60	84,50	1.757,70	
44.981,10	1.021,40	3.236,20	49.238,70		15.615,40	462,30	1.041,30	17.119,00	5.860,20	115,60	260,10	6.235,90	1.589,90	46,90	84,80	1.721,60	
Serial Ti	ime:	52.315,12															
		16.719,49															
16 Threads Parallel Time:		6.361,56															
48 Threads Par		1.780,51															
	ies and spee	-		imes (ms)													
Prepare			Prepare														
Prepare Efficiency		0,91			3559,69												
Prepare Speed-up			4 Threads		975,58												
Prepare Efficiency Prepare Speed-up			16 Threads 48 Threads		351,6 86,56												
Prepare Efficiency		0,86	40 Illieaus		80,50												
Prepare Speed-up	,	41,12															
торало ороса ар	p 10 11110000	,.2															
Efficienci	ies and spee	•		imes (ms)													
Filter			Filter														
Prepare Efficiency		0,79			47996,22												
Prepare Speed-up		-, -	4 Threads		15217,45												
Prepare Efficiency		-,-	16 Threads		5808,11												
Prepare Speed-up Prepare Efficiency		0,61	48 Threads		1648,79												
Prepare Speed-up	,	29,11															
repare opeca ap	p 40 micado	20,11															
Efficienci	ies and spee	•		imes (ms)													
Filter			Filter														
Prepare Efficiency		0,55			1066,85												
Prepare Speed-up		, ,	4 Threads		486,51												
Prepare Efficiency		- , -	16 Threads		214,42												
Prepare Speed-up		,	48 Threads		51,05												
Prepare Efficiency Prepare Speed-up	,	0,44 20.90															