

Problema	Nodos	Mejor solusion concolda	8olunion	Ejecucion	Md	Run filme	AVG Md	AVG Run Tim
max-mean-div-10.txt	10	14	(6, 7, 8, 5, 3, 4)	1	13,00	0,04ms	114	
max-mean-diy-10.bt	10	14	(2, 4, 0, 6, 7, 8, 5)	2	10,14	0,04ms	-17	+1.
max-mean-div-10.bit	10	14	(6, 7, 8, 5, 9, 4)	3	14,00	0,03ms	14	- 2
max-maan-diy-10.bd	10	14	(2, 4, 0, 6, 7, 8, 5)		10,14	0,16ms	72	20
max-mean-div-10.bit	10	14	(5, 8, 6, 7, 9, 4)	5	14,00	0,04ms		+:
max-mean-div-10.bd	10	14	(5, 8, 6, 7, 9, 4)	6	14,00	0,03ms	14	+
max-mean-div-10.bd	10	14	(5, 8, 6, 7, 9, 4)	7	14,00	0,03ms		+ .
max-mean-div-10.bit	10	14	(2, 4, 0, E, 7, 5, 8)	8	10,14	0,03ms	7	+
max-mean-div-10.bit	10	14	(6, 7, 8, 5, 9, 4)	9	14,00	0,03ms	14	-23
max-mean-diy-10.txt	10	14	(2, 4, 0, fi, 7, 5, 8)	10	10,14	0,03ms		
max-mean-div-10.bd	10	14		total = 10			12,36718	0,44ms
max-maan-diy-15,bit	15	9.83333	(B, 11, 4, 10)	4	9,75	0,03ms	02 5	20
max-mean-div-15.bit	15	9,83333	(3, 10, 1, 8)	2	9,50	0,02ms		+1
max-mean-div-15.bt	15	9,83333	(3, 10, 1, 8)	3	9,50	0,03ms	14	-
max-mean-div-15.bit	15	9,83333	(13, 14, 9, 3)	4	7,50	0,03ms		7.
max-mean-div-15.bit	15	9,83333	(3, 10, 1, 8)	5	9,50	0,04ms		+
max-mean-div-15.bit	15	9,83333	(13, 14, 9, 3)	6	7,50	0,02ms	14	- 2
max-mean-div-15.bit	15	9,83333	(13, 14, 9, 3)	7	7,50	0,03ms		433
max-maan-div-15.bit	15	9,83333	(B, 11, 4, 10)	8	9,75	0,04ms	19	- 23
max-mean-diy-15,bit	15	9,83333	(3, 10, 1, 8)	9	9,50	0,03ms	72	20
max-mean-div-15.bit	15	9,83333	(8, 11, 4, 10)	10	9,75	0,05ms		40
max-mean-div-15.txt	16	9,83333		total = 10			2,876	0,31ms
max-mean-div-20.bit	20	13,1667	(0, 18, 3, 11, 8, 19, 7)	1	12,86	0,07ms		7.
max-mean-div-20.txt	20	13,1667	(4, 9, 16, 8, 14, 17, 7)	2	12,00	0,06ms	14	+1
max-mean-div-20.bit	20	13,1667	(0, 3, 18, 11, 8, 19, 7)		12,86	0,09ms	14	- 2
max-mean-diy-20.txt	20	13,1667	(4, 9, 16, 8, 14, 17, 7)		12,00	0,19ms		+33
max-mean-div-20.bit	20	13,1667	(4, 9, 16, 8, 14, 17, 7)		12,00	0,12ms	14	20
max-mean-div-20.txt	20	13,1667	(0, 18, 3, 11, 8, 19, 7)	6	12,86	0,06ms	74	20
max-mean-div-20.bit	20	13,1667	(3, 12, 11, 0, 18)	7	12,00	0,11ms		+11
max-mean-div-20.bd	20	13,1667	(4, 9, 16, 8, 14, 17, 7)	8	12,00	0,07ms	14	4.
max-mean-div-20.bit	20	13,1667	(7, 14, 17, 8, 4, 16)	9	13,17	0,08ms	.(+	¥
max-mean-div-20.txt	20	13,1667	(6, 10, 5, 17, 19)	10	8,80	0,05ms	+	+
wax-mean-div-20.bd	20	13,1874		total = 10			12,0633	0,90ms
max-mean-div-50.bit	50	29,1333	(25, 33, 36, 49, 24, 4, 27, 29, 45)	- 1	25,22	0,23ms	-	
max-mean-div-50.bit	50	29,1333	(5, 22, 0, 40, 10, 34, 41, 27, 26, 4, 43, 25, 33, 24, 9, 36, 14, 30, 19)	2	27,26	1,00ms	14	-
max-maan-diy-50.txt	50	29,1333	(27, 43, 40, 13, 25, 9, 42, 12, 7, 38, 35, 19, 31, 33, 24, 2, 36, 45, 28, 14, 4, 22, 34, 41)	3	25,17	0,83ms	72	20
max-mean-div-50.bit	50	29,1333	(31, 38, 13, 28, 3, 25, 43, 12, 45, 9, 24, 33, 36, 27, 7, 14)	4	24,75	0,37ms		40
max-maan-div-50.bd	50	29,1333	[23, 45, 2, 20, 19, 31, 44, 21, 28, 24]	5	20,20	0,28ms	14	-
max-mean-div-50.bd	50	29,1333	(24, 28, 31, 9, 21, 19, 2, 44, 33, 36, 22, 26, 7, 14, 10, 4, 30, 41, 1)	6	24,37	0,42ms		
max-mean-div-50.bit	50	29,1333	(18, 25, 42, 1, 13, 47, 27, 40, 41, 2, 19, 31, 10, 11, 12, 7)	7	24,13	0,37ms	-	-
max-mean-div-50.bit	50	29,1333	(10, 41, 40, 11, 2, 31, 19, 1, 18, 26, 21, 15, 7, 14, 23, 9)	8	25,44	8,33ms	1	
max-mean-diy-50.bit	50	29,1333	(30, 41, 10, 6, 14, 1, 36, 7, 9, 26)	9	21,80	0,19ms		+):
max-mean-div-50.bit	50	29,1333	(19, 47, 18, 42, 35, 25, 12, 13, 1, 7, 43, 27, 40, 2, 41, 31, 24)	10	23,71	0,56ms	14	
max-mean-div-50 fxt	60	29,1333	30	total = 10	- 6		24 20139	4,68ms

GREEDY CONSTRUCTIVO									
Problema	Nodos	Mejor solución conocida	Ejecución	AVG Md	AVG Run Time				
max-mean-div-10.txt	10	14	total = 10	12,35716	0,44ms				
max-mean-div-15.txt	15	9,83333	total = 10	8,975	0,31ms				
max-mean-div-20.txt	20	13,1674	total = 10	12,0538	0,90ms				
max-mean-div-50.txt	50	29,1333	total = 10	24,20389	4,58ms				

Problema	Nodos	Mejor colucion conocida	Balusion	Ejeouolon	Md	Run time	AVG Md	AVG Run Tin
max-mean-div-10.bd	10	14	(4, 5, 6, 7, 8, 9)	1	14,00	0,03	24	1
max-mean-diy-10.txt	10	14	(4, 5, 6, 7, 8, 9)	2	14,00	0,02		7.1
max-mean-div-10.txt	10	14	(4, 5, 6, 7, 8, 9)	3	14,00	0,04	14	-
max-mean-div-10.bd	10	14	(4, 5, 6, 7, 8, 9)	4	14,00	0,04	14	- 2
max-mean-diy-10.bd	10	14	(4, 5, 6, 7, 8, 9)	5	14.00	0,03		*
max-mean-div-10.bd	10	14	(4, 5, 6, 7, 8, 9)	6	14,00	0,04	114	23
max-mean-div-10.bd	10	14	(4, 5, 6, 7, 8, 9)	7	14,00	0,03	7/4	20
max-mean-div-10.txt	10	14	(4, 5, 6, 7, 8, 9)	8	14.00	0,04		
max-mean-div-10.bd	10	14	(4, 5, 6, 7, 8, 9)	9	14,00	0,02	14	-
max-mean-div-10.txt	10	14	(4, 5, 6, 7, 8, 9)	10	14,00	0,03		7.
max-mean-div-10.bd	10	14		total = 10			14	0,32ms
max-moan-div-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	1.	9,83	0,06	14	
max-mean-diy-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	2	9,83	0,08		*
max-mean-div-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	3	9,83	0,13	114	23
max-mean-div-15.txt	15	9,83333	(1, 3, 6, 7, 8, 10)	4	9,83	0,07	7/4	20
max-mean-div-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	5	9.83	0,07		+1
max-mean-div-15.txt	15	9,83333	(1, 3, 6, 7, 8, 10)	6	9,83	0,08	14	1
max-mean-diy-15.txt	15	9,83333	(1, 3, 6, 7, 8, 10)	7	9.83	0,08		7.1
max-mean-div-15.txt	15	9,83333	(1, 3, 6, 7, 8, 10)	8	9.83	0,09		
max-mean-div-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	9	9,83	0,19	14	- 2
max-mean-div-15.bd	15	9,83333	(1, 3, 6, 7, 8, 10)	10	9,83	0,06	- 19	*2
max-mean-div-15.bd	16	9,81333		total = 10			8,83333	0,80ms
max-mean-div-20.txt	20	13,1667	(0, 7, 8, 14, 17, 18, 19)	1	12,14	0,11	02	20
max-mean-div-20.txt	20	13,1567	(0, 7, 8, 11, 17, 18, 19)	2	12,86	0,12		+1
max-mean-div-20.txt	20	13,1667	(0, 7, 8, 14, 17, 18, 19)	3	12,14	0,11	14	1
max-mean-diy-20.txt	20	13,1667	(0, 7, 8, 14, 17, 18, 19)	4	12.14	0,13		+ .
max-mean-div-20.txt	20	13,1667	(0, 7, 8, 11, 17, 18, 19)	5	12,86	0,11	14	+
max-moan-div-20.bd	20	13,1667	(0, 7, 8, 14, 17, 18, 19)	6	12,14	0,14	14	- 2
max-mean-diy-20.bd	20	13,1567	(0, 7, H, 14, 17, 18, 19)	7	12.14	0,12		*
max-mean-div-20.bd	20	13,1667	(0, 7, 8, 11, 17, 18, 19)	8	12,86	0,17	114	23
max-mean-div-20.txt	20	13,1667	(0, 7, 8, 11, 17, 18, 19)	9	12,86	0,29	7/4	20
max-mean-div-20.txt	20	13,1567	(0, 7, 8, 14, 17, 18, 19)	10	12.14	0,11		+1
max-mean-div-20.bd	20	13,1674		total = 10			12,42858	1,42ms
max-mean-div-50.tid	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	1	25,96	1,00		*
max-mean-div-50.txt	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	2	25,96	1,00		-
max-mean-div-50.bd	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	3	25,96	1,00	14	
max-mean-div-50.bd	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	4	25.96	1,00		4).
max-mean-div-50.bd	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	5	25,96	0,85		23
max-mean-div-50.bd	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	6	25.96	0,93	74	- 2
max-mean-div-50.txt	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	7	25,96	1,00		
max-mean-div-50.txt	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	8	25,96	0,90	-	-
max-mean-diy-50.bd	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	9	25,96	1,00		-
CONTRACTOR OF THE PARTY OF THE	50	29,1333	(2, 4, 9, 10, 11, 12, 13, 14, 17, 19, 20, 24, 25, 27, 28, 29, 31, 33, 34, 36, 37, 38, 40, 41, 43, 45)	10	25.96	1,00		- 22
max-mean-div-50.txt								

GREEDY CONSTRUCTIVO									
Problema Nodos		Mejor solución conocida Ejecución		AVG Md	AVG Run Time				
max-mean-div-10.txt	10	14	total = 10	14	0,32ms				
max-mean-div-15.txt	15	9,83333	total = 10	9,83333	0,90ms				
max-mean-div-20.txt	20	13,1674	total = 10	12,42858	1,42ms				
max-mean-div-50.txt	50	29,1333	total = 10	25,9615	9,68ms				

Para los siguientes algoritmos sólo se mostrarán las soluciones a el problema con 50 nodos.

	GRASP									
Problema	Mejor solución conocida	Modo	Ejecución	Iteraciones máximas	Iteraciones sin mejora máximas	Alpha	AVG Md	.VG run tim⊦		
max-mean-div-50.t xt	29,1333	Anxious	total = 10	100	10	0.2	28,91542	61,00ms		
max-mean-div-50.t xt	29,1333	Anxious	total = 10	100	10	0.3	29,02553	56,60ms		
max-mean-div-50.t xt	29,1333	Anxious	total = 10	1000	100	0.2	29,1333	373,90ms		
max-mean-div-50.t xt	29,1333	Anxious	total = 10	1000	100	0.3	29,1333	380,20ms		

home