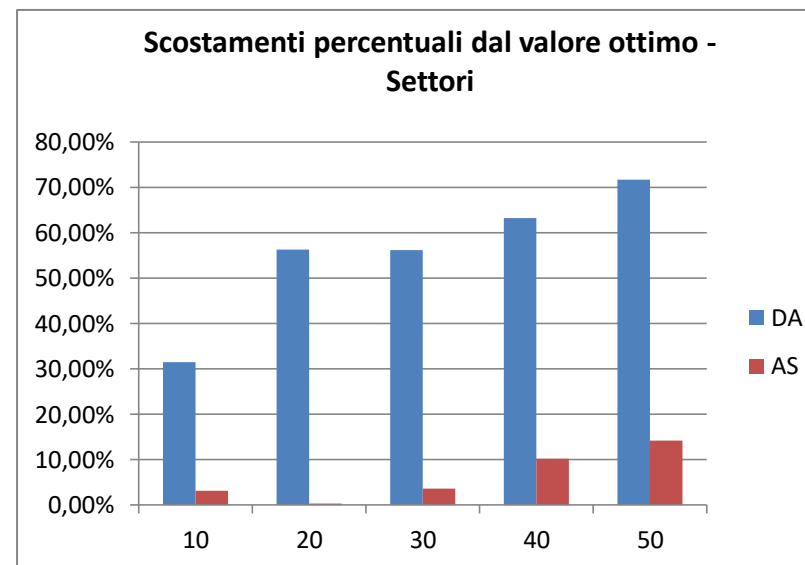
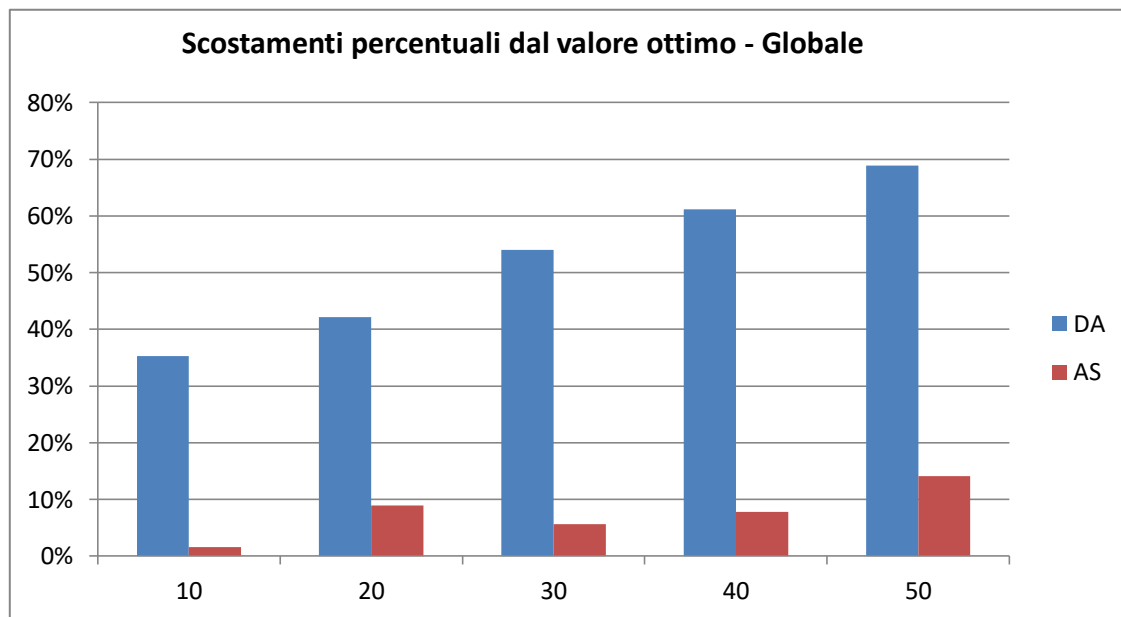
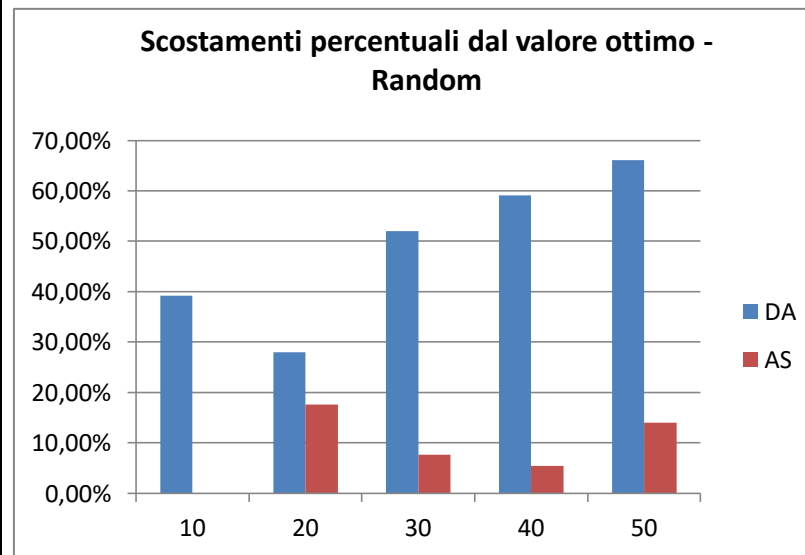


	CPLEX		Deterministic Anneling		Ant System		DA	AS
Istanza	Valore	Tempo	Valore	Tempo	Valore	Tempo	Valore	Valore
../istanze/CE10.dat	66,645	0,089	111,469	0,000	66,645	0,001	40,21%	0,00%
../istanze/CM10.dat	78	0,207	126,000	0,000	78,000	0,001	38,10%	0,00%
../istanze/CE20.dat	82,015	0,953	117,679	0,001	99,647	0,001	30,31%	17,69%
../istanze/CM20.dat	104	0,913	140,000	0,001	126,000	0,001	25,71%	17,46%
../istanze/CE30.dat	94,299	8,357	222,203	0,001	100,357	0,002	57,56%	6,04%
../istanze/CM30.dat	118	10,743	220,000	0,001	130,000	0,002	46,36%	9,23%
../istanze/CE40.dat	115,313	26,101	267,438	0,001	122,307	0,004	56,88%	5,72%
../istanze/CM40.dat	146	63,260	378,000	0,001	154,000	0,003	61,38%	5,19%
../istanze/CE50.dat	114,651	66,981	331,349	0,002	129,188	0,005	65,40%	11,25%
../istanze/CM50.dat	140	76,949	420,000	0,002	168,000	0,005	66,67%	16,67%
../istanze/CE60.dat	154,926	240,000	396,800	0,002	161,455	0,007	60,96%	4,04%
../istanze/CM60.dat	170	184,409	528,000	0,002	190,000	0,007	67,80%	10,53%
../istanze/CE70.dat	154,937	240,000	388,598	0,002	142,510	0,010	60,13%	-8,72%
../istanze/CM70.dat	210	240,000	516,000	0,003	170,000	0,009	59,30%	-23,53%
../istanze/CE80.dat	194,772	240,000	510,492	0,003	172,864	0,013	61,85%	-12,67%
../istanze/CM80.dat	302	240,000	674,800	0,003	195,600	0,013	55,25%	-54,40%
../istanze/CE90.dat	191,992	240,000	549,809	0,004	191,922	0,017	65,08%	-0,04%
../istanze/CM90.dat	230	240,000	654,000	0,003	230,000	0,017	64,83%	0,00%
../istanze/CE100.dat	224,981	240,000	600,550	0,004	201,976	0,023	62,54%	-11,39%
../istanze/CM100.dat	260	240,000	644,000	0,004	222,400	0,022	59,63%	-16,91%
../istanze/SE10.dat	57,725	0,055	83,537	0,000	61,573	0,001	30,90%	6,25%
../istanze/SM10.dat	72	0,110	106,000	0,000	72,000	0,001	32,08%	0,00%
../istanze/SE20.dat	79,155	2,142	198,517	0,001	79,678	0,001	60,13%	0,66%
../istanze/SM20.dat	98	1,603	206,000	0,001	98,000	0,001	52,43%	0,00%
../istanze/SE30.dat	87,066	16,955	197,499	0,001	90,497	0,002	55,92%	3,79%

../istanze/SM30.dat	110	18,630	252,000	0,001	114,000	0,002	56,35%	3,51%
../istanze/SE40.dat	77,758	37,863	209,036	0,001	86,713	0,004	62,80%	10,33%
../istanze/SM40.dat	90	24,767	248,000	0,001	100,000	0,003	63,71%	10,00%
../istanze/SE50.dat	90,791	160,889	303,395	0,002	106,091	0,005	70,07%	14,42%
../istanze/SM50.dat	110	96,469	412,000	0,002	128,000	0,005	73,30%	14,06%
../istanze/SE60.dat	115,078	240,000	312,874	0,002	123,740	0,007	63,22%	7,00%
../istanze/SM60.dat	148	240,000	402,000	0,002	136,000	0,007	63,18%	-8,82%
../istanze/SE70.dat	122,807	240,000	371,645	0,003	117,019	0,009	66,96%	-4,95%
../istanze/SM70.dat	132,8	240,000	412,000	0,003	132,800	0,009	67,77%	0,00%
../istanze/SE80.dat	111,68	240,000	352,198	0,003	117,163	0,012	68,29%	4,68%
../istanze/SM80.dat	138	240,000	472,000	0,003	130,000	0,012	70,76%	-6,15%
../istanze/SE90.dat	149,487	240,000	435,709	0,004	149,487	0,016	65,69%	0,00%
../istanze/SM90.dat	216	240,000	616,000	0,004	158,000	0,016	64,94%	-36,71%
../istanze/SE100.dat	142,431	240,000	432,624	0,004	142,431	0,021	67,08%	0,00%
../istanze/SM100.dat	148	240,000	542,000	0,004	148,000	0,021	72,69%	0,00%

<---- soluzione non trovata

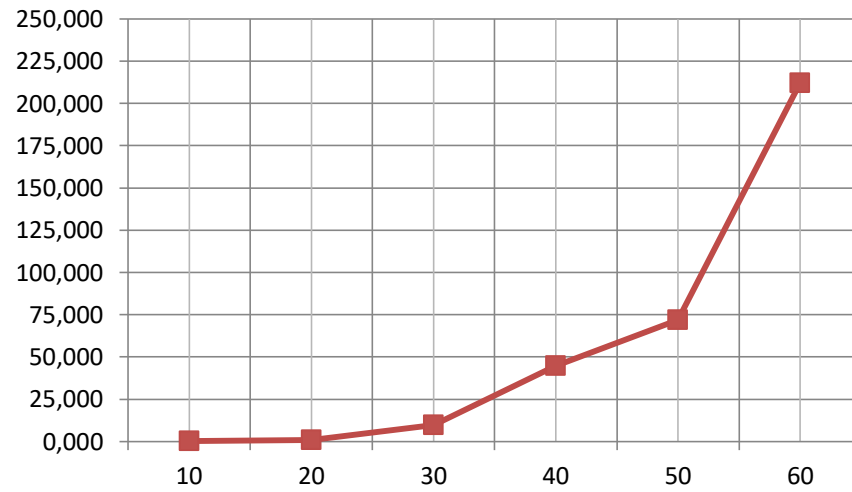
	Random		Settori		Globale	
n	DA	AS	DA	AS	DA	AS
10	39,15%	0,00%	31,49%	3,12%	35,32%	1,56%
20	28,01%	17,58%	56,28%	0,33%	42,14%	8,95%
30	51,96%	7,63%	56,13%	3,65%	54,05%	5,64%
40	59,13%	5,46%	63,26%	10,16%	61,19%	7,81%
50	66,03%	13,96%	71,69%	14,24%	68,86%	14,10%
60	64,38%	7,29%	63,20%	-0,91%	63,79%	3,19%
70	59,72%	-16,12%	67,36%	-2,47%	63,54%	-9,30%
80	58,55%	-33,54%	69,53%	-0,74%	64,04%	-17,14%
90	64,96%	-0,02%	65,31%	-18,35%	65,13%	-9,19%
100	61,08%	-14,15%	69,89%	0,00%	65,48%	-7,07%



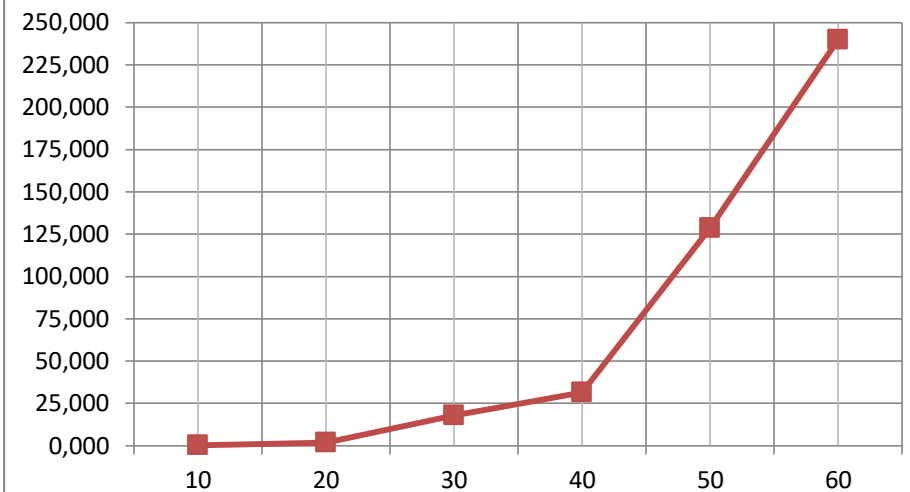
tempi medi

n	Random			Settori			Globale		
	CPLEX	DA	AS	CPLEX	DA	AS	CPLEX	DA	AS
10	0,148	0,000	0,001	0,083	0,000	0,001	0,115	0,000	0,001
20	0,933	0,001	0,001	1,873	0,001	0,001	1,403	0,001	0,001
30	9,550	0,001	0,001	17,793	0,001	0,002	13,671	0,001	0,002
40	44,681	0,001	0,002	31,315	0,001	0,004	37,998	0,001	0,003
50	71,965	0,002	0,002	128,679	0,002	0,005	100,322	0,002	0,004
60	212,205	0,002	0,003	240,000	0,002	0,007	226,102	0,002	0,005
70	240,000	0,003	0,004	240,000	0,003	0,009	240,000	0,003	0,006
80	240,000	0,003	0,004	240,000	0,003	0,012	240,000	0,003	0,008
90	240,000	0,004	0,005	240,000	0,004	0,016	240,000	0,004	0,011
100	240,000	0,004	0,006	240,000	0,004	0,021	240,000	0,004	0,014

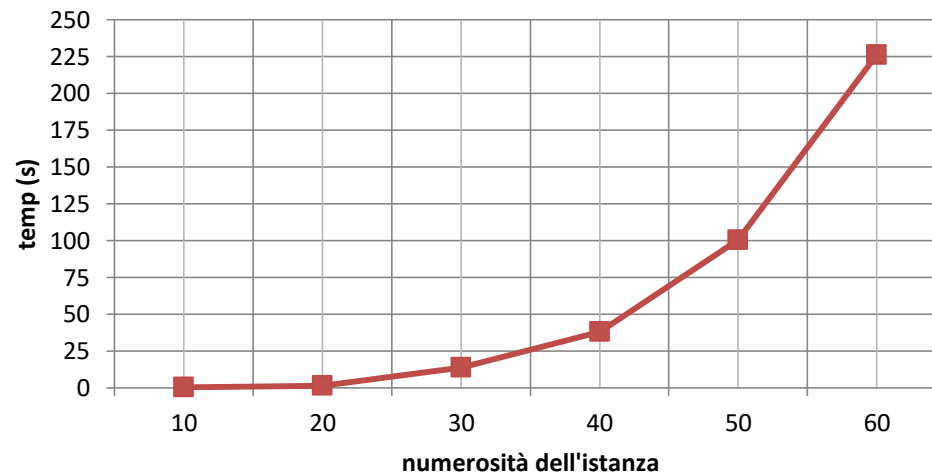
CPLEX - Random



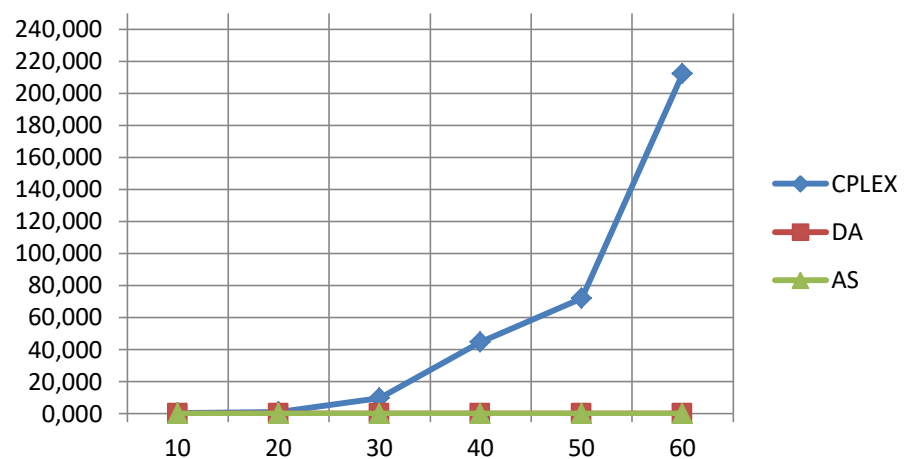
CPLEX - Settori



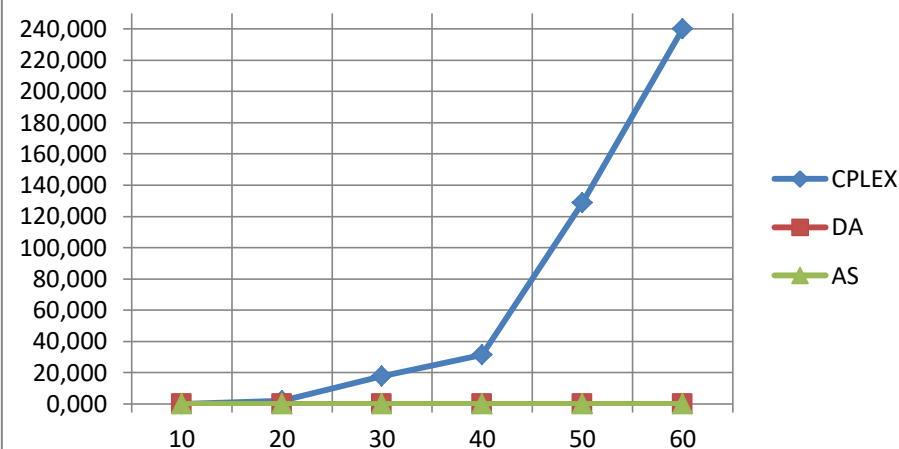
CPLEX - Globale



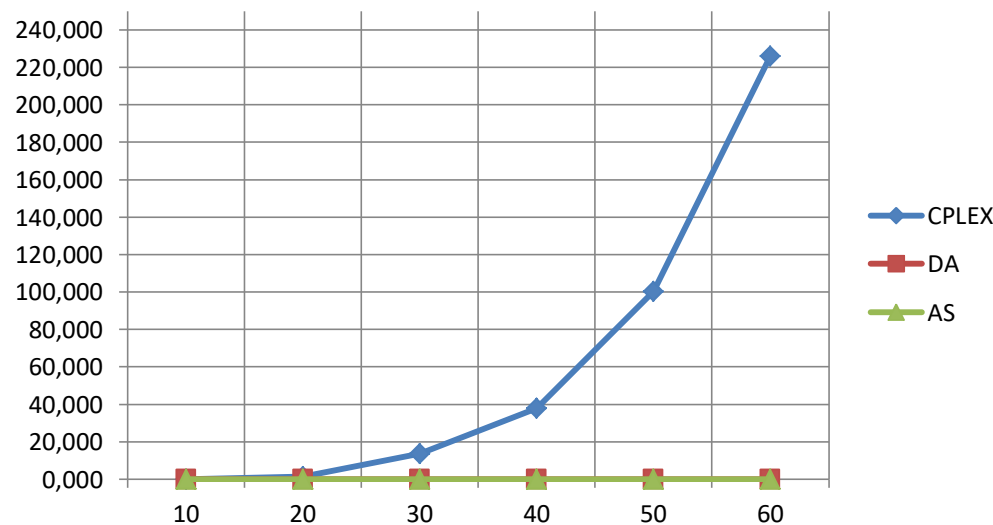
Confronto tempi - Random



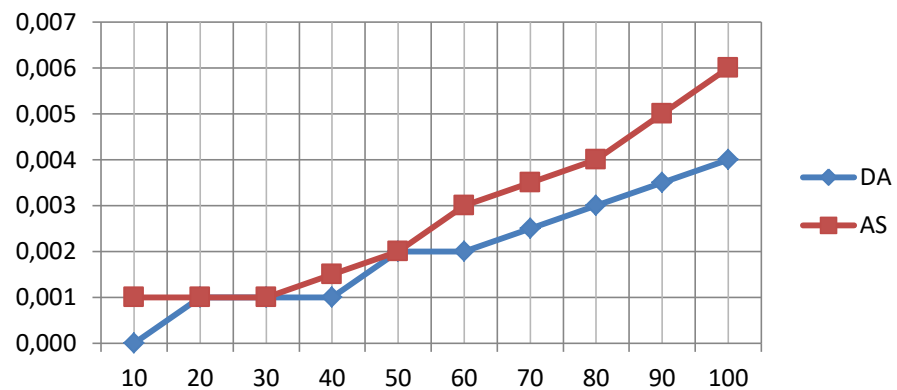
Confronto tempi - Settori



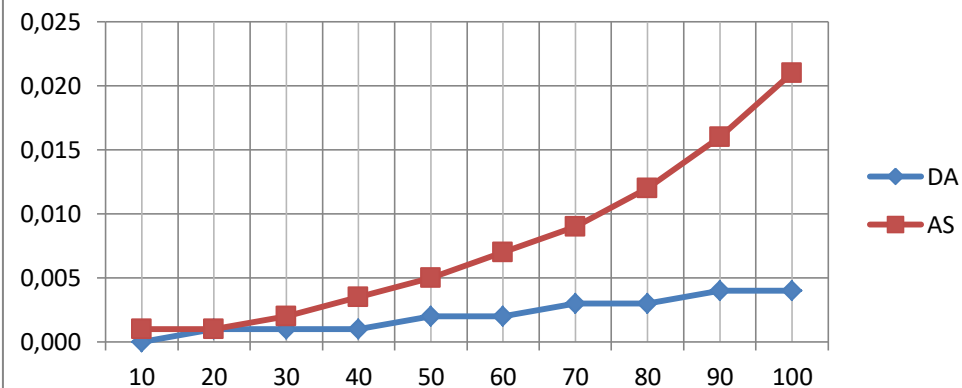
Confronto tempi - Globale



Tempo elaborazione euristiche - Random



Tempo elaborazione euristiche - Settori



Tempo elaborazione euristiche - Globale

