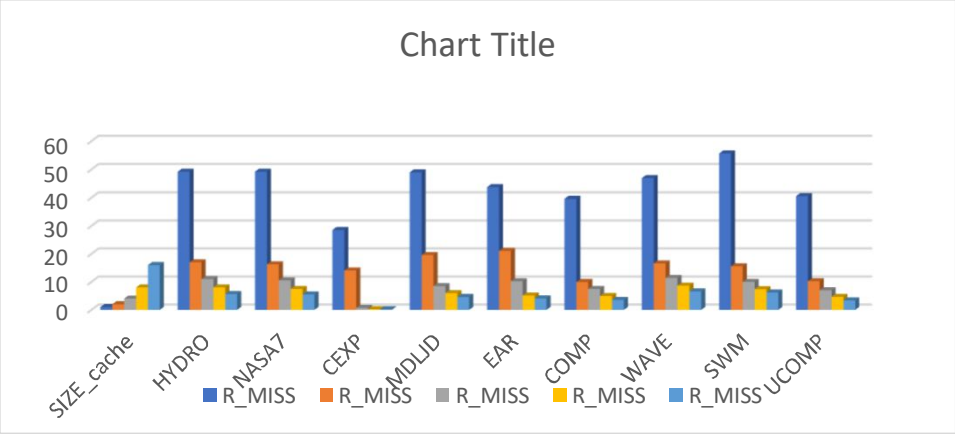
Studiaţi influenţa capacităţii cache-ului de instrucţiuni (în KB)
asupra ratei de miss în cache Rmiss(SIZE_Cache).

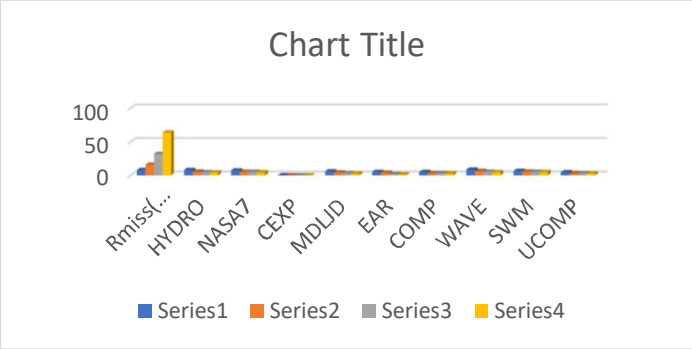
	R_MISS	R_MISS	R_MISS	R_MISS	R_MISS
SIZE_cache	1	2	4	8	16
HYDRO	49.177	16.972	11.001	8.0395	5.6888
NASA7	49.218	16.28	10.566	7.4933	5.4987
CEXP	28.535	14.05	0.7	0.235	0.215
MDLJD	48.99	19.565	8.465	5.94	4.595
EAR	43.726	21.044	10.211	5.1432	4.107
COMP	39.58	9.945	7.449	4.9525	3.5658
WAVE	46.922	16.603	11.409	8.6373	6.6239
SWM	55.655	15.535	10	7.375	6.22
UCOMP	40.542	10.245	6.989	4.6469	3.4029



OBS.
Din ce crestem SIZE_cacheul scade rata de miss.

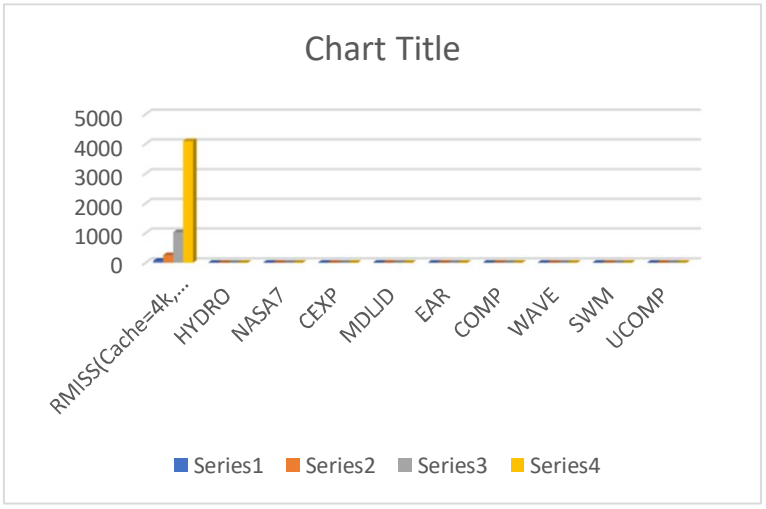
Pornind de la configurația inițială generați graficul Rmiss(BLOC_SIZE).

Rmiss(BL	HYDRO	NASA7	CEXP	MDLJD	EAR	COMP	WAVE	SWM	UCOMP
8	8.09	7.49	0.24	5.96	5.1	4.95	8.63	6.72	4.64
16	5.68	5.49	0.21	4.59	4.1	3.56	6.63	5.71	3.4
32	4.88	5.39	0.21	3.61	2.3	3.44	5.48	5.57	3.25
64	4.56	4.69	0.21	2.86	1.5	3.05	4.78	4.96	2.89



Determinați rata de miss variind dimensiunea blocului de date pentru diferite dimensiuni de cache.

RMISS(C	HYDRO	NASA7	CEXP	MDLJD	EAR	COMP	WAVE	SWM	UCOMP
64	25.15%	25.05%	1.31%	25.94%	26.92%	29.73%	29.73%	33.04%	22.24%
256	14.81%	13.36%	0.55%	11.88%	10.79%	12.00%	17.50%	11.48%	14.07%
1024	11.00%	10.56%	0.70%	8.46%	10.21%	7.44%	11.40%	10.00%	6.98%
4096	47.95%	47.87%	19.72%	42.81%	38.32%	38.98%	45.37%	54.14%	39.95%



Determinați rata de miss variind gradul de asociativitate pentru diferite dimensiuni de cache.

	miss rate	Direct	2-way	4-way	8-way	Fully asoc
CEXP	4kb	17.39%	4.11%	17.39%		0.70%
	8kb	8.76%	0.24%	3.79%		0.24%
	16kb	8.38%	0.22%	0.22%		0.22%
	32kb	8.26%	0.21%	0.21%		0.21%