CO LAB5 Ccahe 說明文件 406410114 郭晏誠

1. Cache 3C Misses 圖表

(1) gcc.din 具有明顯的 conflict 曲線

file：gcc.din	replace policy :FIFO	block size:8		
cache size\n-way	1-way mr	2-way mr	4-way mr	8-way mr	f-way mr
8 cache size	14.98%	12.64%	11.70%	11.37%	11.15%
16 cache size	9.26%	7.27%	6.26%	6.06%	5.94%
32 cache size	5.66%	4.31%	3.77%	3.65%	3.52%
64 cache size	4.12%	3.11%	2.92%	2.85%	2.83%
128 cache size	3.16%	2.65%	2.54%	2.57%	2.63%
256 cache size	2.65%	2.37%	2.28%	2.23%	2.20%
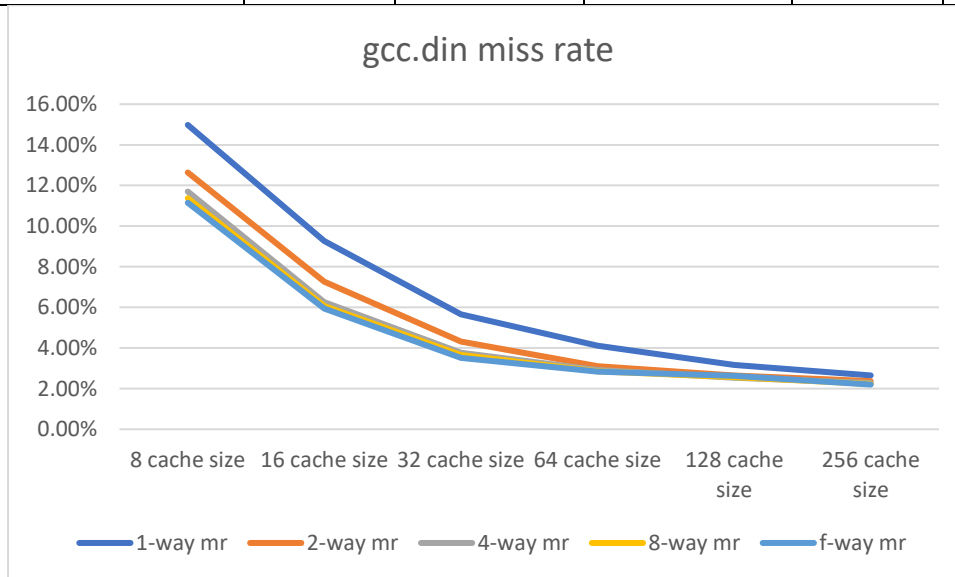
(2)spice.din 到256cache size,2-way 後可看出有明顯的Compulsory 基本第一次miss 的情況

file：spice.din	replace policy :FIFO	block size:8		
cache size\n-way	1-way mr	2-way mr	4-way mr	8-way mr	f-way mr
8 cache size	7.79%	5.10%	4.10%	3.71%	3.52%
16 cache size	3.82%	2.20%	1.43%	1.23%	1.07%
32 cache size	1.75%	1.13%	0.97%	0.89%	0.88%
64 cache size	1.01%	0.77%	0.73%	0.72%	0.69%
128 cache size	0.90%	0.71%	0.70%	0.69%	0.69%
256 cache size	0.88%	0.70%	0.69%	0.69%	0.69%

spice.din cache miss