StorageBudget

Total Maximum Allotted	8192	8		65536	

Alpha Predictor

	Lines	Width	Fixed Bits	Total Bit Size	Total Entries
LocalHisT	1024	10	0	10240	
LocalPT	1024	3	0	3072	
GlobalPT	4096	2	0	8192	
ChoicePT	4096	2	0	8192	
PathHist			11	11	

Total				29707	
Remaining				35829	

	Lines	Width	Fixed Bits	Total Bit Size	Total Entries
Branch Target Buffer					
Full PC Direct Mapped	256	32	0	8192	256
2 way set associative	128	115	0	14720	256
4 way set associative	64	236	0	15104	256
8 way set associative	32	480	0	15360	256
2 way hash associative	128	111	0	14208	256
4 way hash associative	64	228	0	14592	256
8 way hash associative	32	464	0	14848	256

	Lines	Width	Fixed Bits	Total Bit Size	Total Entries
PC Rel Target Buffer					
Direct Mapped	512	11	0	5632	512
2 way set associative	256	71	0	18176	512
4 way set associative	128	148	0	18944	512
8 way set associative	64	304	0	19456	512
2 way hash associative	256	67	0	17152	512
4 way hash associative	128	140	0	17920	512
8 way hash associative	64	288	0	18432	512

	Lines	Width	Fixed Bits	Total Bit Size	Total Entries
Victim Cache	1	520	0	520	8

	Lines	Width	Fixed Bits	Total Bit Size	Total Entries
Return Address Stack	55	32	0	1760	

	Limit	Configuration	BTB	PC Rel	
BTB Configuration	35829	35808	4 way set	4 way set	2 victim buffers

ways	LRU Over Head	tag size	way size
1	0	0	0
2	1	25	32
4	4	26	32
8	8	27	32
2	1	23	32
4	4	24	32
8	8	25	32

ways	LRU Over Head	tag size	way size
1	0	0	11
2	1	24	11
4	4	25	11
8	8	26	11
2	1	22	11
4	4	23	11
8	8	24	11

ways	LRU Over Head	tag size	way size
8	8	32	32

23 RAS