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astar-All-FA      Simulation Results

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Number of reference types:

Number of reads	=	2549106849	[25.49%]
Number of writes	=	626305991	[6.26%]
Number of inst	=	6824587160	[68.25%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	18015408791	[45.63%]
Cycles for writes	=	10066753018	[25.50%]
Cycles for inst	=	11395359437	[28.87%]
Total time	=	39477521246	

Average cycles per activity:

Read	=	7.07
Write	=	16.07
Inst	=	1.67

Ideal: Exec. Time = 16824587160; CPI = 2.47

Ideal mis-aligned: Exec. Time = 23929686467; CPI = 3.51

Memory level: L1i

Hits	=	11394307253	[100.00%]
Misses	=	7620	[0.00%]
Total	=	11394314873	
Kickouts	=	7364, Dirty kickouts = 0, Transfers = 7620	

Memory level: L1d

Hits	=	4292364560	[96.28%]
Misses	=	165807892	[3.72%]
Total	=	4458172452	
Kickouts	=	165807636, Dirty kickouts = 71377025, Transfers = 165807892	

Memory level: L2

Hits	=	155431402	[65.53%]
Misses	=	81761135	[34.47%]
Total	=	237192537	
Kickouts	=	81760623, Dirty kickouts = 52330695, Transfers = 81761135	

Cost analysis:

L1i cache cost	=	\$1800
L1d cache cost	=	\$1800
L2 cache cost	=	\$500
Memory cost	=	\$75
Total cost	=	\$4175