

## MT3 Expected Overlapping Stampede

Distribution	Communication Technique	NP	Input World Size	Expected Runtime
row	Synchronous	9	900	0.0003850462
row	Asynchronous	9	900	0.000369
row	Synchronous	25	900	0.0001488862
row	Asynchronous	25	900	0.00013284
block	Synchronous	9	900	0.0003850462
block	Asynchronous	9	900	0.000369
block	Synchronous	25	900	0.0001488862
block	Asynchronous	25	900	0.00013284
row	Synchronous	9	1800	0.0014987224
row	Asynchronous	9	1800	0.001476
row	Synchronous	25	1800	0.0005540824
row	Asynchronous	25	1800	0.00053136
block	Synchronous	9	1800	0.0014987224
block	Asynchronous	9	1800	0.001476
block	Synchronous	25	1800	0.0005540824
block	Asynchronous	25	1800	0.00053136
row	Synchronous	9	2700	0.0033503986
row	Asynchronous	9	2700	0.003321
row	Synchronous	25	2700	0.0012249586
row	Asynchronous	25	2700	0.00119556
block	Synchronous	9	2700	0.0033503986
block	Asynchronous	9	2700	0.003321
block	Synchronous	25	2700	0.0012249586
block	Asynchronous	25	2700	0.00119556
row	Synchronous	9	3600	0.0059400748
row	Asynchronous	9	3600	0.005904
row	Synchronous	25	3600	0.0021615148
row	Asynchronous	25	3600	0.00212544
block	Synchronous	9	3600	0.0059400748
block	Asynchronous	9	3600	0.005904
block	Synchronous	25	3600	0.0021615148
block	Asynchronous	25	3600	0.00212544
row	Synchronous	9	4500	0.009267751
row	Asynchronous	9	4500	0.009225
row	Synchronous	25	4500	0.003363751
row	Asynchronous	25	4500	0.003321
block	Synchronous	9	4500	0.009267751
block	Asynchronous	9	4500	0.009225
block	Synchronous	25	4500	0.003363751
block	Asynchronous	25	4500	0.003321
row	Synchronous	9	5400	0.0133334272
row	Asynchronous	9	5400	0.013284
row	Synchronous	25	5400	0.0048316672
row	Asynchronous	25	5400	0.00478224
block	Synchronous	9	5400	0.0133334272
block	Asynchronous	9	5400	0.013284
block	Synchronous	25	5400	0.0048316672
block	Asynchronous	25	5400	0.00478224
row	Synchronous	9	6300	0.0181371034
row	Asynchronous	9	6300	0.018081
row	Synchronous	25	6300	0.0065652634
row	Asynchronous	25	6300	0.00650916
block	Synchronous	9	6300	0.0181371034
block	Asynchronous	9	6300	0.018081
block	Synchronous	25	6300	0.0065652634
block	Asynchronous	25	6300	0.00650916
row	Synchronous	9	7200	0.0236787796
row	Asynchronous	9	7200	0.023616
row	Synchronous	25	7200	0.0085645396
row	Asynchronous	25	7200	0.00850176

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block	Synchronous	9	7200	0.0236787796
block	Asynchronous	9	7200	0.023616
block	Synchronous	25	7200	0.0085645396
block	Asynchronous	25	7200	0.00850176
row	Synchronous	9	8100	0.0299584558
row	Asynchronous	9	8100	0.029889
row	Synchronous	25	8100	0.0108294958
row	Asynchronous	25	8100	0.01076004
block	Synchronous	9	8100	0.0299584558
block	Asynchronous	9	8100	0.029889
block	Synchronous	25	8100	0.0108294958
block	Asynchronous	25	8100	0.01076004
row	Synchronous	9	9000	0.036976132
row	Asynchronous	9	9000	0.0369
row	Synchronous	25	9000	0.013360132
row	Asynchronous	25	9000	0.013284
block	Synchronous	9	9000	0.036976132
block	Asynchronous	9	9000	0.0369
block	Synchronous	25	9000	0.013360132
block	Asynchronous	25	9000	0.013284
row	Synchronous	9	9900	0.0447318082
row	Asynchronous	9	9900	0.044649
row	Synchronous	25	9900	0.0161564482
row	Asynchronous	25	9900	0.01607364
block	Synchronous	9	9900	0.0447318082
block	Asynchronous	9	9900	0.044649
block	Synchronous	25	9900	0.0161564482
block	Asynchronous	25	9900	0.01607364
row	Synchronous	9	10800	0.0532254844
row	Asynchronous	9	10800	0.053136
row	Synchronous	25	10800	0.0192184444
row	Asynchronous	25	10800	0.01912896
block	Synchronous	9	10800	0.0532254844
block	Asynchronous	9	10800	0.053136
block	Synchronous	25	10800	0.0192184444
block	Asynchronous	25	10800	0.01912896
row	Synchronous	9	11700	0.0624571606
row	Asynchronous	9	11700	0.062361
row	Synchronous	25	11700	0.0225461206
row	Asynchronous	25	11700	0.02244996
block	Synchronous	9	11700	0.0624571606
block	Asynchronous	9	11700	0.062361
block	Synchronous	25	11700	0.0225461206
block	Asynchronous	25	11700	0.02244996
row	Synchronous	9	12600	0.0724268368
row	Asynchronous	9	12600	0.072324
row	Synchronous	25	12600	0.0261394768
row	Asynchronous	25	12600	0.02603664
block	Synchronous	9	12600	0.0724268368
block	Asynchronous	9	12600	0.072324
block	Synchronous	25	12600	0.0261394768
block	Asynchronous	25	12600	0.02603664
ta	0.0000000041			
ts	0.000004685			
tc	0.000000003709			