dna length = 320,160

cutting at enzyme gaattc

----------------------------------------------------------------------

Class dna,N splicee,S recomb time(ms) breaks,b

----------------------------------------------------------------------

StringStra: 320,160 10,000 769,890 14 44

StringStra: 320,160 20,000 1,219,890 12 44

StringStra: 320,160 40,000 2,119,890 73 44

StringStra: 320,160 80,000 3,919,890 36 44

StringStra: 320,160 160,000 7,519,890 69 44

StringStra: 320,160 320,000 14,719,890 69 44

StringStra: 320,160 640,000 29,119,890 157 44

StringStra: 320,160 1,280,000 57,919,890 185 44

StringStra: 320,160 10,000 769,890 9 44

StringStra: 640,320 10,000 1,539,780 16 89

StringStra: 1,280,640 10,000 3,079,560 34 179

StringStra: 2,561,280 10,000 6,159,120 120 359

StringStra: 5,122,560 10,000 12,318,240 496 719

--------------- Memory Exhaustion Benchmark ---------------

DNABenchmark

dna length = 320,160

cutting at enzyme gaattc

----------------------------------------------------------------------

Class dna,N splicee,S recomb time(ms) breaks,b

----------------------------------------------------------------------

StringStra: 320,160 10,000 769,890 6 44

StringStra: 320,160 20,000 1,219,890 17 44

StringStra: 320,160 40,000 2,119,890 10 44

StringStra: 320,160 80,000 3,919,890 13 44

StringStra: 320,160 160,000 7,519,890 19 44

StringStra: 320,160 320,000 14,719,890 36 44

StringStra: 320,160 640,000 29,119,890 67 44

StringStra: 320,160 1,280,000 57,919,890 139 44

StringStra: 320,160 10,000 769,890 6 44

StringStra: 640,320 10,000 1,539,780 11 89

StringStra: 1,280,640 10,000 3,079,560 33 179

StringStra: 2,561,280 10,000 6,159,120 115 359

StringStra: 5,122,560 10,000 12,318,240 442 719

--------------- Memory Exhaustion Benchmark ---------------

Class splicee recomb time appends

StringStra: 256 4,800,471 0.042 1290

StringStra: 512 4,965,591 0.044 1290

StringStra: 1,024 5,295,831 0.037 1290

StringStra: 2,048 5,956,311 0.041 1290

StringStra: 4,096 7,277,271 0.051 1290

StringStra: 8,192 9,919,191 0.069 1290

StringStra: 16,384 15,203,031 0.100 1290

StringStra: 32,768 25,770,711 0.178 1290

StringStra: 65,536 46,906,071 0.313 1290

StringStra: 131,072 89,176,791 0.691 1290

StringStra: 262,144 173,718,231 1.289 1290

StringStra: 524,288 342,801,111 2.418 1290