.NET Memory Management Poster III

1) Gen0 GC is triggered because Heap #2 gen0 allocation budget is exceeded
2) Gen0 drops to 0, Gen1 grows because of promotions
3) Gen0 GC is triggered because Heap #1 gen0 allocation budget is exceeded. But also Heap #1 gen1 allocation budget is exceeded after the previous GC, so the condemned generation is 1, instead of just 0
4) Gen0 drops to 0, Gen1 is reduced and Gen2 grows because of promotions
5) Gen0 GC is triggered because Heap #1 gen0 allocation budget is exceeded. But also Heap #2 gen2 allocation budget is exceeded after the previous GC, so the condemned generation is 2, instead of just 0
6) Gen0 drops to 0, Gen1 changes size and Gen2 size is reduced

1) Based on GC Server mode with 2 CPU cores and 3 user threads. 2) Affinity between CPU core and thread and Managed Heap may change in between GCs, here it is presented like that for simplification