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Optimal Page Replacement Algorithm:
8 frames the page faults are an average ~250,000
16 frame the page faults are an average ~146,000
32 frame the page faults are an average ~154,500
64 frames the page faults are an average ~111,700

Clock Replacement Algorithm:
8 frames the page faults are an average ~16485
16 frame the page faults are an average ~3940
32 frame the page faults are an average ~660
64 frames the page faults are an average ~180

FIFO Page Replacement algorithm:
8 frames the page faults are an average ~28700
16 frame the page faults are an average ~10530
32 frame the page faults are an average ~1790
64 frames the page faults are an average ~540

Random Algorithm:
8 frames the page faults are an average~30486
16 frames the page faults are an average~10,080
32 frames the page faults are an average ~2010
64 frames the page faults are an average ~600

Conclusion:

I would Idealistically go for the clock algorithm, this algorithm has provided a smaller number of page faults in comparison to the other programs between the different frame sizes. One of the biggest ideologies behind the MMU is that we want an algorithm that gives us less page faults as time goes on, thus the Clock algorithm seems to be the best bet!