ME617 - Homework 2

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1. The way the candidates are represented as a rotational velocity calculated
2. We use the rotational velocity of the parent, the gear teeth from the parent, and compute a new rotational velocity based on the new gear and joining operation chosen. The new rotational velocity is then used to compute the error based on the given input and output rotational velocity. If the error is less or equal to 2.5%, then the goal is met.

gears = [11,23,31,47,59,71,83,97,109,127]

1. Consider the string as an order of operations, the number representing which gear rom the list it is. M is mate the gears; P is place them in parallel.
   1. The solution for problem 1 is 9M9P8M9P8M9P8M9P4M2
   2. The solution for problem 2 is 9M9P8M9P8M9M9M7P3M4
   3. The solution for problem 3 is 9M9P8M9P8M9M7M5P2M0
   4. The solution for problem 4 is 9M9P8M9P8M9P8M9P0M2
   5. Does not reach in a timely manner
   6. Does not reach in a timely manner

4. The