

```
1
2
3 def initialWeight(finalMTOW):
4     initialRaymer = finalMTOW*0.97*0.985
5     initialGud = finalMTOW*0.994*0.985
6     initialSadraey = finalMTOW*0.98*0.97
7     # print (initialSadraey,"sadraey")
8     # print(initialGud,"gud")
9     # print(initialRaymer,"raymer")
10    return (initialRaymer+initialGud+initialSadraey)/3
11
12 def altitudeDensity(altitude,rhoSL):
13     ### fetch this function in other script
14     altitudeDensity = rhoSL * (1 - 0.0000068756 * altitude) ** 4.2561
15     return altitudeDensity
```