```
clc, clear, close;

h = 6.63 * 10^-34
m = 1
v = 1
p = m * v
lambda = h / p;
Task1 = lambda

m0 = 0.911 * 10^-30
e = [1*1.6*10^-19; 10000*1.6*10^-19]
lambda1 = [h/sqrt(2*m0*e(1))*10^9; h/sqrt(2*m0*e(2))*10^9];
Task2 = lambda1

e1 = 54 * 1.6 * 10^-19 * 10^-3
meff = 0.067 * m0
h1 = 1.0546 * 10-34

datestr(clock)


h =

   6.6300e-34


m =

     1


v =

     1


p =

     1


Task1 =

   6.6300e-34


m0 =

   9.1100e-31


e =
```

```
    1.0e-14 *

      0.0000
      0.1600


Task2 =

      1.2279
      0.0123


e1 =

      8.6400e-21


meff =

      6.1037e-32


h1 =

     -23.4540


ans =

      '02-Sep-2023 13:46:25'
```

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