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work/runge.py

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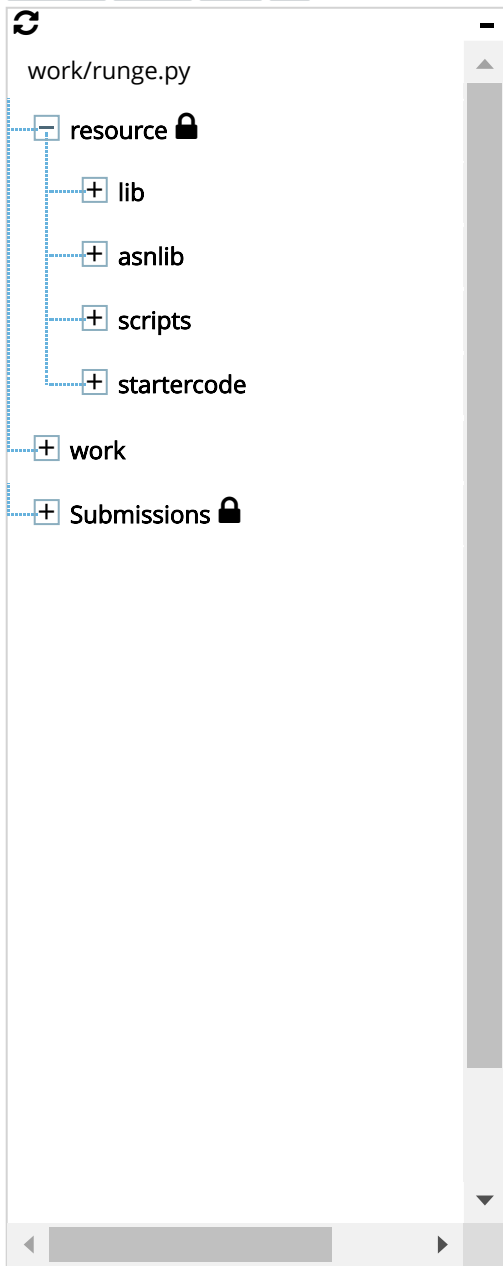
```
20      #### BEGIN SOLUTION ####
21      # compute RHS for the a vector
22      # compute RHS for the a vector
23      ta = tn
24      va = vn
25      fa = evalf(va, ta)
26      # compute the a vector
27      a = dt*fa
28
29      # compute RHS for the b vector
30      tb = tn + dt
31      vb = vn + a
32      fb = evalf(vb, tb)
33      # compute the b vector
34      b = dt*fb
35
36      # compute RHS for the c vector
37      tc = tn + 0.5*dt
38      vc = vn + 0.25*a + 0.25*b
39      fc = evalf(vc, tc)
40      # compute the c vector
41      c = dt*fc
```

```
sandipan.dey@gmail.com cse-c20:~$ []
```