In[•]:=
```
eulerStepSymplectic[h_, Q_, B_, ephCoords_] :=
 Module[{R0, θ0, ϕ0, BR0, Bθ0, Bϕ0, R1, θ1, ϕ1, BR1, Bθ1, Bϕ1, Rk1, θk1, ϕk1},
  {R0, θ0, ϕ0} = Q;
  {BR0, Bθ0, Bϕ0} = B;
  {Rk1, θk1, ϕk1} = ephCoords;
  R1 = R0 + h (BR0);
  θ1 = θ0 + h (Bθ0/R1^2);
  ϕ1 = ϕ0 + h (Bϕ0/(R1^2 Sin[θ1]^2));
  BR1 = BR0 + h (Bθ0^2/R1^3 + Bϕ0^2/(R1^3 Sin[θ1]^2) + Total[ηk (-R1 + Rk1 (Cos[θ1] Cos[θk1] + Sin[θ1] Sin[θk1] Cos[ϕ1 - ϕk1]))/(R1 ^ 2 + Rk1 ^ 2 - 2 R1 Rk1 (Cos[θ1] Cos[θk1] + Sin[θ1] Sin[θk1] Cos[ϕ1 - ϕk1])) ^ (3 / 2)]);
  Bθ1 = Bθ0 + h (Bϕ0^2/(R1^2 Sin[θ1]^2 Tan[θ1]) + Total[ηk (R1 Rk1 (-Sin[θ1] Cos[θk1] + Cos[θ1] Sin[θk1] Cos[ϕ1 - ϕk1]))/(R1^2 + Rk1^2 - 2 R1 Rk1 (Cos[θ1] Cos[θk1] + Sin[θ1] Sin[θk1] Cos[ϕ1 - ϕk1]))^(3/2)]);
  Bϕ1 = Bϕ0 + h (Total[ηk (-R1 Rk1 Sin[θ1] Sin[θk1] Sin[ϕ1 - ϕk1])/(R1^2 + Rk1^2 - 2 R1 Rk1 (Cos[θ1] Cos[θk1] + Sin[θ1] Sin[θk1] Cos[ϕ1 - ϕk1]))^(3/2)]);

  {{R1, θ1, ϕ1}, {BR1, Bθ1, Bϕ1}}
 ]
```