```
> (* Mantej Sokhi *)
                            Q2: PART B:
> (* MAPLE CHECK *)
  restart:
> with(Groebner):
> f := (y^3)+(2*x*y)-y-1:
  divOne := x+(y^2)-1;
  divTwo := (x*y)-1;
  divList := [divOne,divTwo]:
                            divOne := y^2 + x - 1
                             divTwo := xy - 1
                                                                       (1)
-
> resOne := NormalForm(f,divList,plex(x,y),'Q1'):
  resTwo := NormalForm(f,divList,grlex(x,y),'Q2'):
> resOne;
  Q1;
                               -y^3 + y - 1
                                [2y, 0]
                                                                       (2)
> resTwo;
  Q2;
                                   0
                                  [y, 1]
                                                                       (3)
```