

```
let est_couplage g m =  
  let n = Array.length g in  
  let libre = Array.make n false in (* libre.(v) = sommet déjà vu *)  
  let rec aux m =  
    match m with  
    | [] -> true  
    | (x, y)::q -> if g.(x).(y) = 1 && libre.(x) && libre.(y)  
                     then begin  
                           libre.(x) <- false ;  
                           libre.(y) <- false ;  
                           aux q  
                         end  
                     else false  
  in  
  aux m
```