

Compte rendu TD8

1.1 Laby

```
▲  
laby(X,Y,V) :- lab(L),nth0(Y,L,L1),nth0(X,L1,V).
```

```
?- laby(1,5,R).  
R = 0.  
  
?- laby(2,1,R).  
R = 1.  
  
?-
```

1.3 Colorier

```
colorier(N,0) :- gr_rect_couleur(N,white).  
colorier(N,1) :- gr_rect_couleur(N,black).  
colorier(N,2) :- gr_rect_couleur(N,green).  
colorier(N,3) :- gr_rect_couleur(N,blue).
```

1.4 dessine_laby

```
dessine_ligne_laby(Y):-  
    A is Y * 19,  
    B is A + 18,  
    Ypos is Y *30,  
    between(A,B,N),  
    Xpos is (N*30) mod (19*30),  
    gr_rect_pos(N,Xpos,Ypos,30,30),  
    X is N mod 19,  
    laby(X,Y,V),  
    colorier(N,V),fail.  
  
dessine_laby :- between(0,18,N),dessine_ligne_laby(N).  
dessine_laby.
```

```
^ ^
?- gr_init, dessine_laby.
true.
?-
```

