Proposition de correction

Exercice 1

Q1

description(<u>id_description</u> (int), resume(char), duree (int), #id_emission (int))

Q2.a

Le système d'enseignement supérieur français est-il juste et efficace, 2022

Trois innovations pour la croissance future (1/3) : La révolution blockchain., 2021

Q2.b

SELECT theme

FROM podcast

WHERE annee = 2019

Q2.c

SELECT theme, annee

FROM podcast

ORDER BY annee

Q3.a

Affiche tous les thèmes distincts de la relation podcast.

Q3.b

DELETE

FROM podcast

WHERE id_podcast = 40

Q4.a

UPDATE emission

SET animateur = 'Emmanuel L.'

WHERE id_emission = 10175

Q4.b

INSERT INTO emission

VALUES(12850, 'Hashtag', 'France Inter', 'Mathieu V.')

Q5

SELECT podcast.theme, emission.nom, description.resume

FROM podcast, emission, description

WHERE description.duree < 5

AND emission.id_emission = description.id_emission

AND podcast.id_emission = emission.id_emission

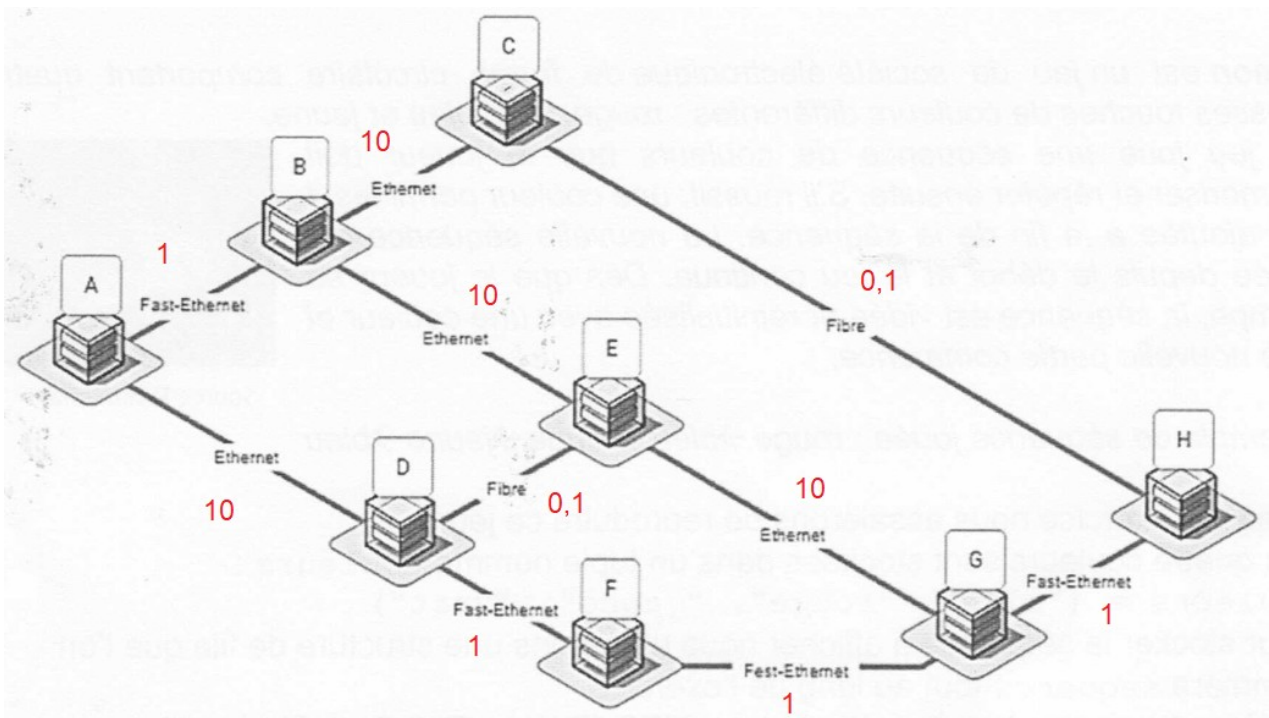# Exercice 2

Q1.a

101001000.10110010.00000010.00001101

Q1.b

24 premiers bits à 1 (3 octets) → 164.178.2.0/24

Q2

A → D → F → G

A → D → E → G

A → B → E → G

Q3.a

Q3.b

A → D → F → G

Q3.c

A → B → C → H → G

Exercice 3

Q1

```
def ajout(f) :
    couleurs = ("bleu", "rouge", "jaune", "vert")
    indice = randint(0, 3)
    enfiler(f, couleurs[indice])
    return f
```

Q2

```
def vider(sequence)
    while not est_vide(sequence) :
        defiler(sequence)
```

Q3

```
def affich_seq(sequence) :
    stock = creer_file_vide()
    ajout(sequence)
    while not est_vide(sequence) :
        c = defiler(sequence)
        affichage(c)
        time.sleep(0.5)
        enfiler(stock, c)
    while not est_vide(stock):
        enfiler(sequence, defiler(stock))
```

Q4.a

```
def tour_de_jeu(sequence) :
    affiche_seq(sequence)
    stock = creer_file_vide()
    while not est_vide(sequence) :
        c_joueur = saisie_joueur()
        c_seq = defiler(sequence)
        if c_joueur == c_seq :
            enfiler(stock, c_seq)
        else :
            vider(sequence)
    while not est_vide(stock) :
        enfiler(sequence, defiler(stock))
```

Q4.b

```
def tour_de_jeu(sequence) :
  while True :
    taille_seq = taille(sequence)

    affiche_seq(sequence)
    stock = creer_file_vide()
    while not est_vide(sequence) :
      c_joueur = saisie_joueur()
      c_seq = defiler(sequence)
      if c_joueur == c_seq :
        enfiler(stock, c_seq)
      else :
        vider(sequence)

    if taille(stock) == taille_seq :
      while not est_vide(stock) :
        enfiler(sequence, defiler(stock))

    ajout(sequence)
```