6.2 RAT

Consider the feature structures shown below:

```
fs1 = nltk.FeatStruct("""[A = ?x,
                          B = [C = ?x]]""")
fs2 = nltk.FeatStruct("""[B = [D = d]]""")
fs3 = nltk.FeatStruct("""[B = [C = d]]""")
fs4 = nltk.FeatStruct("""[A = (1)[B = b],
                          C -> (1)]""")
fs5 = nltk.FeatStruct("""[A = (1)[D = ?x],
                          C = [E -> (1),
                               F = ?x] ]""")
fs6 = nltk.FeatStruct("""[A = [D = d]]""")
fs7 = nltk.FeatStruct("""[A = [D = d],
                          C = [F = [D = d]]]""")
fs8 = nltk.FeatStruct("""[A = (1)[D = ?x,
                                  G = ?x],
                          C = [B = ?x,
                               E -> (1)]]""")
fs9 = nltk.FeatStruct("""[A = [B = b],
                          C = [E = [G = e]]]""")
fs10 = nltk.FeatStruct("""[A = (1)[B = b],
                           C -> (1)]""")
```

Work out on paper what the result is of the following unifications.

(Hint: you might find it useful to draw the graph structures.)

1. `fs1` and `fs2`
2. `fs1` and `fs3`
3. `fs4` and `fs5`
4. `fs5` and `fs6`
5. `fs5` and `fs7`
6. `fs8` and `fs9`
7. `fs8` and `fs10`