

1. La file.

2.

```
def ajouter(lst, proc):  
    lst.append(proc)
```

3.
$$\begin{bmatrix} ps6 \\ ps5 \\ ps4 \\ ps3 \end{bmatrix} \begin{bmatrix} ps1 \\ ps2 \end{bmatrix} \rightarrow \begin{bmatrix} ps6 \\ ps5 \\ ps4 \\ ps3 \end{bmatrix} [ps2] \rightarrow \begin{bmatrix} ps6 \\ ps5 \\ ps4 \\ ps3 \end{bmatrix} [] \rightarrow [] \begin{bmatrix} ps4 \\ ps5 \\ ps6 \end{bmatrix} \rightarrow [ps7] \begin{bmatrix} ps4 \\ ps5 \\ ps6 \end{bmatrix}$$

```
def est_vide(f):  
    return pile_vide(f[0]) and pile_vide(f[1])
```

```
def enfiler(f, elt):  
    empiler(f[0], elt)
```

```
def defiler(f):  
    if not est_vide(f):  
        if pile_vide(f[1]):  
            while not pile_vide(f[0]):  
                empiler(f[1], depiler(f[0]))  
        return depiler(f[1])
```

4.