```
while (input) { //SS loop
   int f in[X];
   //producers of f execute, write into f in
   for (0..N)
     f(input);
   //copy-shift of f's input buffer
   //consumers of f
 }
                                 (a)
                           f in (X data items)
SS_1
            f_{I,I}
SS_2
            f_{2,1}
                          f_{2,2}
                                 (b)
```