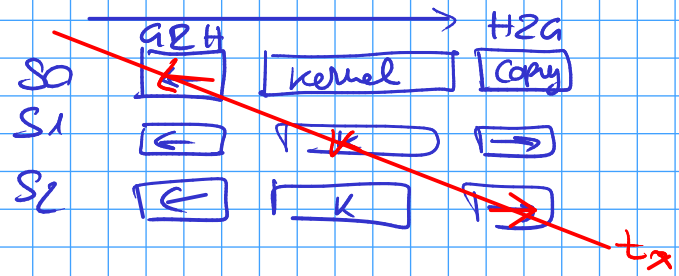
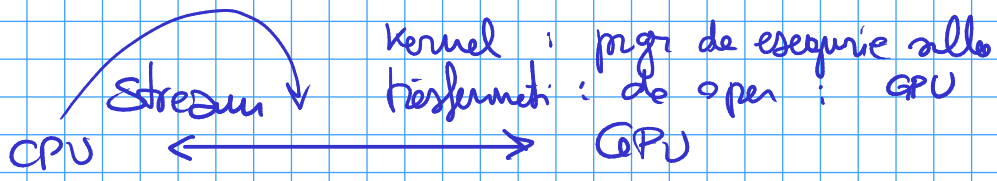
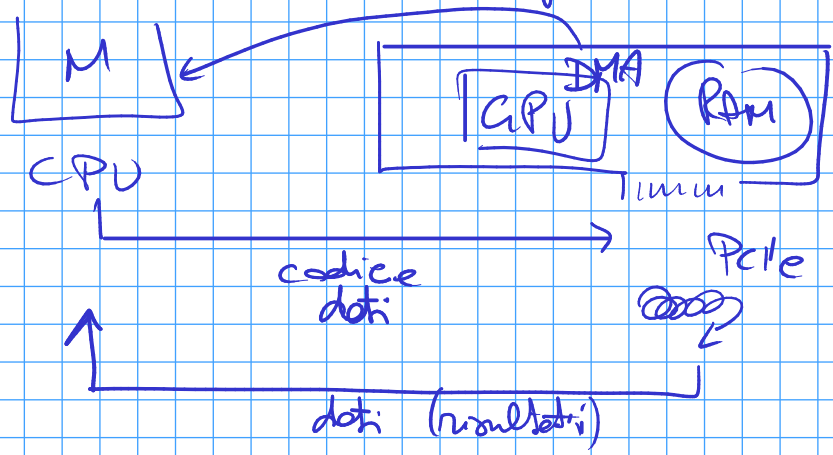
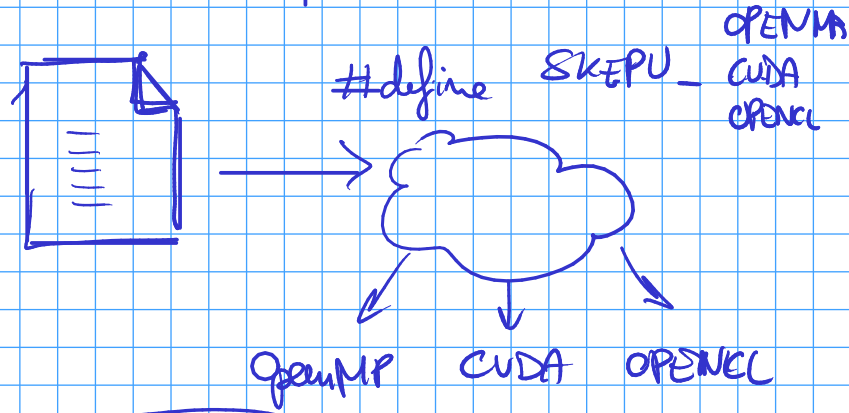
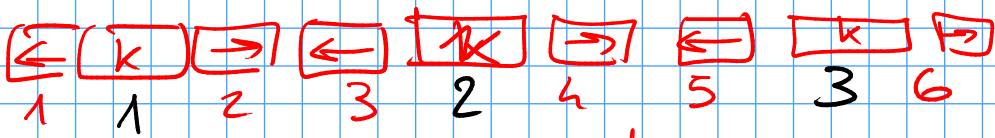


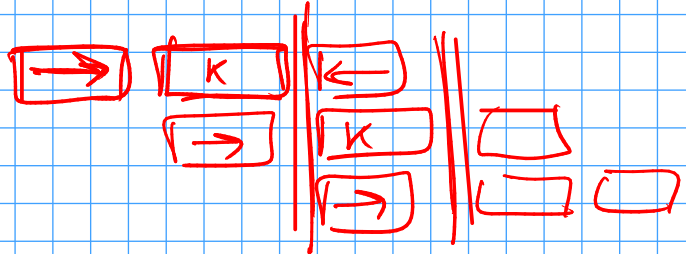
CYCLIC

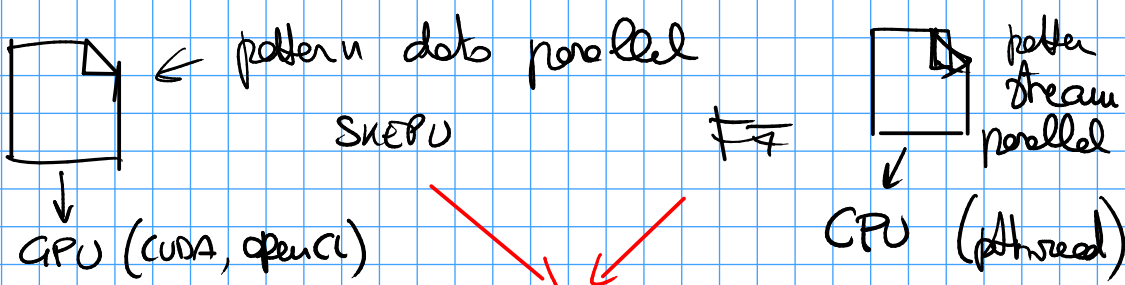


No STREAM



STREAM

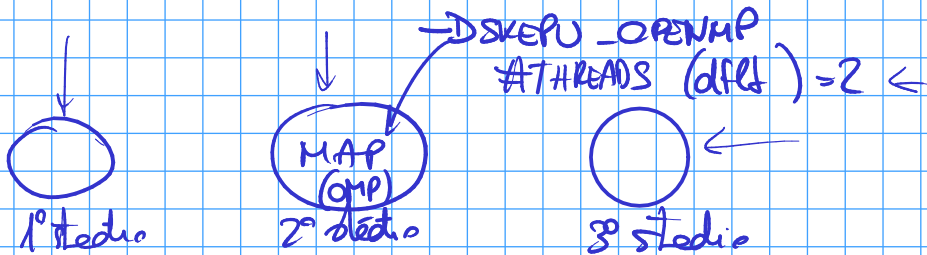
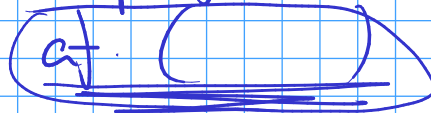




main

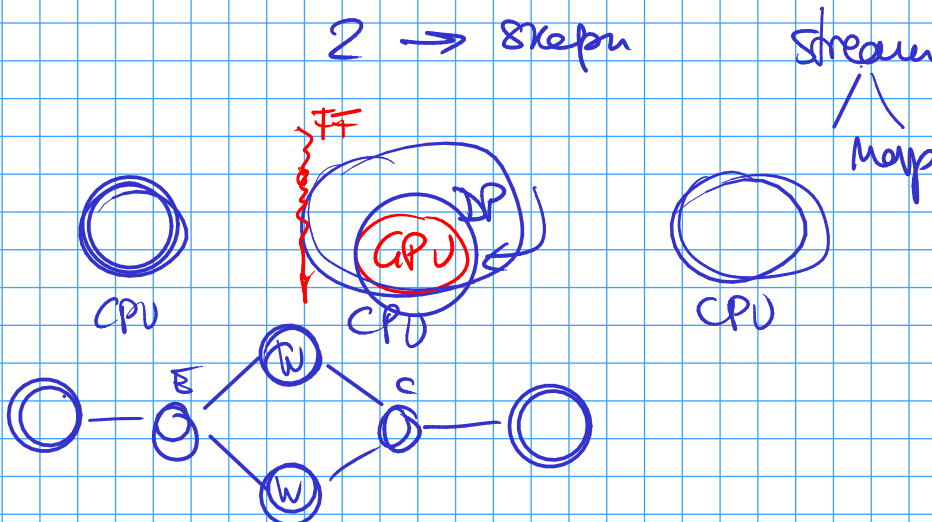
```

ff_pipeline p;
p.add_step(new Stdio1());
p.add_step(new MapStep());
UNARY_FUNC(f, ...)
svc(void * t) {
  skepu::vector<float> * task = (...);
  Map<f> af = new Map(f)
}
  
```



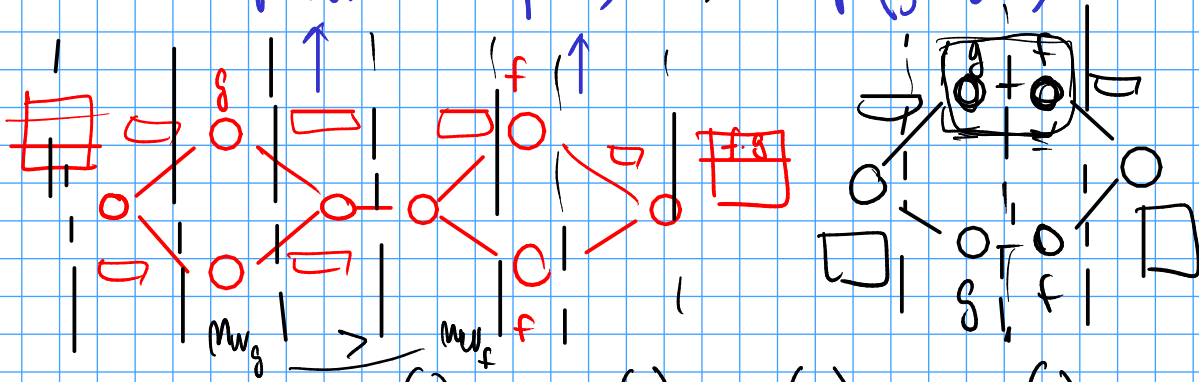
FF => 1 thread FF => 1 thread FF => 1 thread

4 core 3 -> FF 2 -> skepu



MAP FUSION (vetteri)

$$\text{map}(g) \circ \text{map}(f) \Rightarrow \text{map}(f \circ g)$$



$$\begin{array}{l}
 x_1 \dots x_n \xrightarrow{\text{map}(g)} g(x_1) \dots g(x_n) \xrightarrow{\text{map}(f)} \\
 \rightarrow f(g(x_1)) \dots f(g(x_n)) \\
 (f \circ g)(x) = f(g(x)) \quad x_1 \dots x_n \xrightarrow{\text{map}(f \circ g)}
 \end{array}$$