Caph:simple

File　Edit　Configuration

main.cph ✕

```
-- Actor declarations

actor inc
in (i: unsigned<8>)
out (o: unsigned<8>)
rules
| i:x -> o:x+1;

actor dec
in (i: unsigned<8>)
out (o: unsigned<8>)
rules
| i:x -> o:x-1;

actor mul
in (i1: unsigned <8>, i2 : unsigned <8>)
out (o: unsigned<8>)
rules
| (i1:x, i2:y) -> o:x*y;

actor dup
in (i: unsigned<8>)
out (o1: unsigned <8>, o2: unsigned <8>)
rules
| i:x -> (o1:x, o2:x);

-- I/O declarations
stream inp: unsigned<8> from "sample.txt";
stream outp: unsigned<8> to "result.txt";

-- Network declarations
net (x1, x2) = dup inp;
net y1 = inc x1;
net y2 = dec x2;
net outp = mul (y1, y2);
```
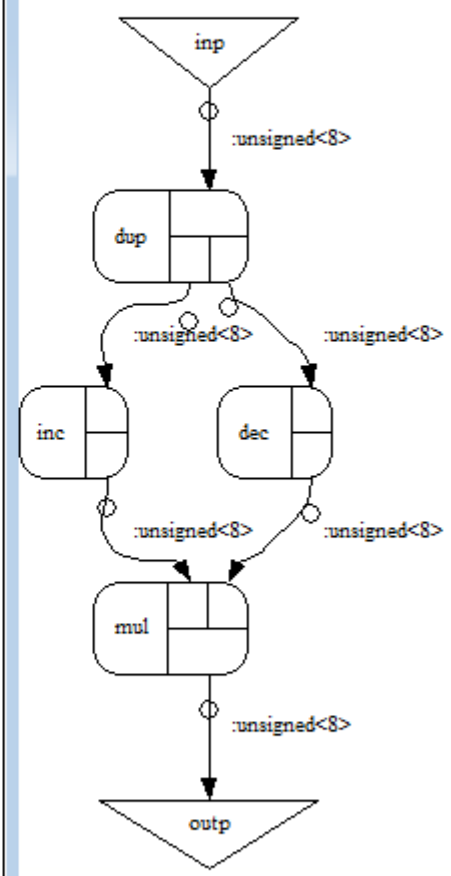
Project tree:
- dot
  - simple.dot
- main.cph
- sample.txt

DOTTY


```
# For more information, see : http://caph.univ-bpclermont.fr
# -------------------------------------------------------------
# Wrote file ./dot\simple.dot
> "C:\Program Files\Graphviz\bin\dotty.exe" ./dot\simple.dot
```