Exemple d'inclusion de code CHP dans un document LaTeX

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Voici un code CHP :

```
component mux4 port (
    S  : OUT DI PASSIVE DR;
    C  : IN  DI ACTIVE  MR[4][1];
    I0 : IN  DI ACTIVE  DR;
    I1 : IN  DI ACTIVE  DR;
    I2 : IN  DI ACTIVE  DR;
    I3 : IN  DI ACTIVE  DR)

begin
    process mux4 port (
        S  : OUT DI PASSIVE DR;
        C  : IN  DI ACTIVE  MR[4][1];
        I0 : IN  DI ACTIVE  DR;
        I1 : IN  DI ACTIVE  DR;
        I2 : IN  DI ACTIVE  DR;
        I3 : IN  DI ACTIVE  DR)
    variable x   : DR;
    variable cmd : MR[4][1];
    begin
    [
        C?cmd;
        @[
            cmd="0"[4] => I0?x; S!x; break
            cmd="1"[4] => I1?x; S!x; break
            cmd="2"[4] => I2?x; S!x; break
            cmd="3"[4] => I3?x; S!x; break
        ];
        loop
    ];
    end;
end;
```