Algorithm OLF_Filtering
Input: Xm[n], for m=0,1,2...

for n=0,1,2..., P-1

h[k], for k=0,1,2...Q-1

Intermedicle: gCn), for N=0,1,2...N-1

(m), for n=0, (, + .. N-/

Output: Ymch), for M=0,1,2... P-1

o) Initialization: M=0 / frame index Y(n)=0, for n=0,1,...N-1 / buffer for the old inference

1) new inference: gcn) = XmEn) * hCn) for n=0,1,... N-1

2) overlap-add: g(n)= g(n)+ rEn+p]
for n=0,1,..., N-P-1

3) Output: Ym(n) = g(n), for n=0,1,2...P-1

4) Swap buffer: YEn] = gCh), for n=0,1,2, ... N-1

s) frame shift: if Xmuch exists,

m=m+1 and go to 1), or go to 6)

6) End