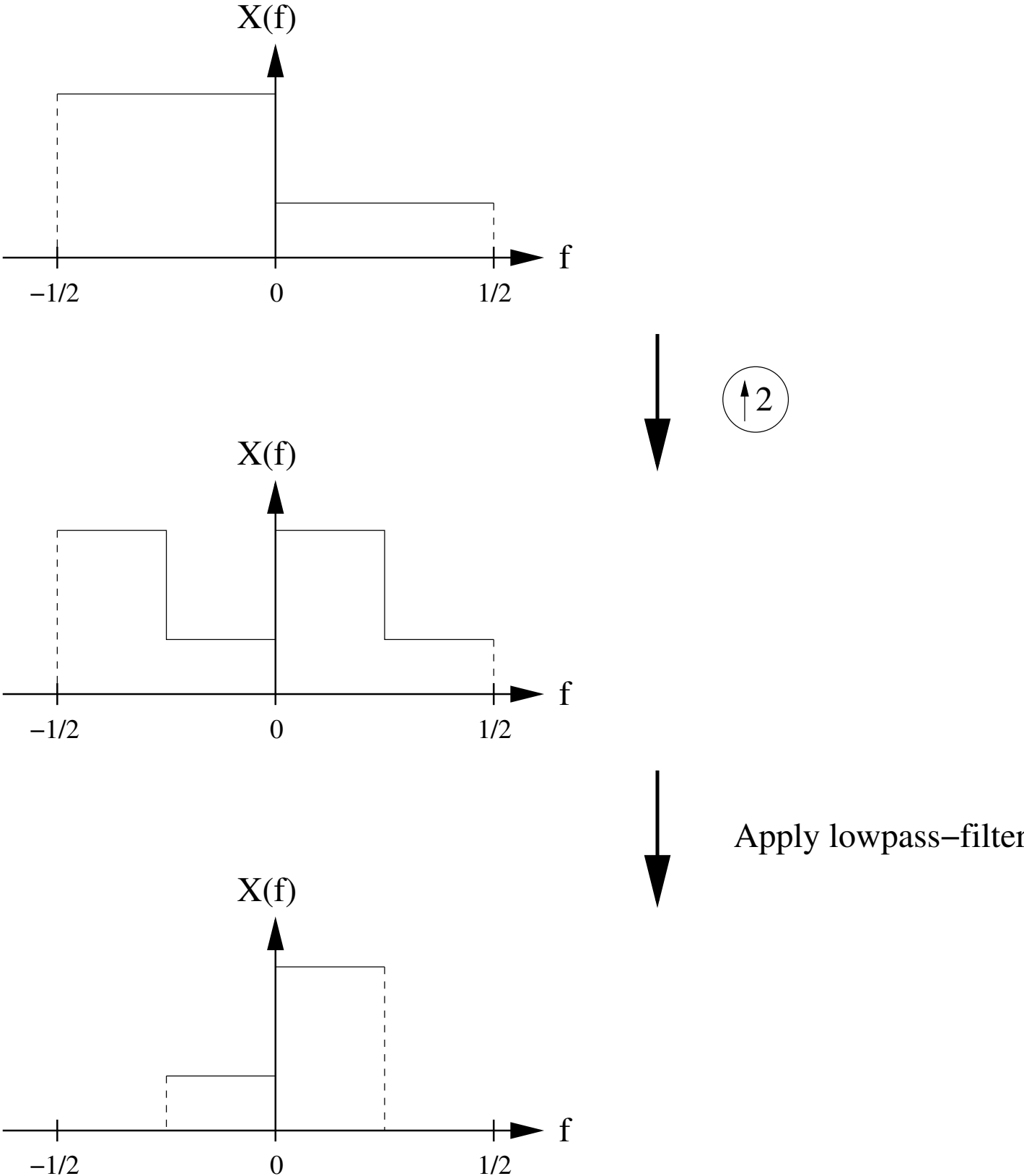
X(f)
f
−1/2
0
1/2
↑2
X(f)
f
−1/2
0
1/2
Apply lowpass−filter
X(f)
f
−1/2
0
1/2