PA4 Pseudocode

PROCESS\_SIGNAL(x\_pattern, y\_pattern, signal)

x\_reps = [] # this list will hold x repetition objects

y\_reps = [] # this list hold y repetition objects

noise = [] # contains indices of noise in signal

current\_x\_rep = Repetition[x\_pattern]

current\_y\_rep = Repetition[y\_pattern]

for i = 1 to length(signal)

if signal[i] is a valid next symbol for current\_x\_rep:

append signal[i] to current\_x\_rep

else if signal[i] is a valid next symbol for current\_y\_rep:

append signal[i] to current\_y\_rep

else:

# signal[i] was useful for neither x\_rep or y\_rep so it must be noise

append i to noise

**Implementation of Repetition Class:**