

Q. 3, 4

$$T_p = 4 * t + (len - 1) * t \Rightarrow \text{pipelined execution time}$$

$$T_s = 4 * len * t \Rightarrow \text{unpipelined execution time}$$

$$T_p = t * (4 + (len - 1) * cv) \Rightarrow \text{with overhead}$$

pipelined execution time is still faster  
with overhead  $< 3$