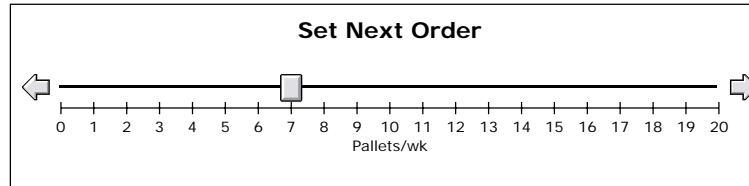
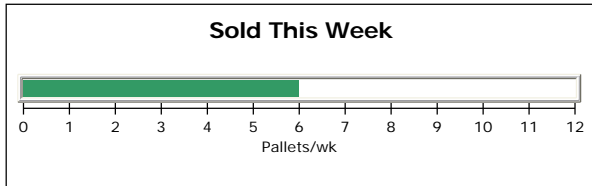


You are the manager of a retail store. You sell in response to customer demand. You order new stock, which is delivered by the pallet load. Part pallets cannot be ordered. The wholesaler will deliver two weeks after you place your order, except when his stocks are low and he has to wait for items to be manufactured. In this case the delay can be as long as eight weeks, though this is expected to occur only under adverse conditions. Your aim is to satisfy customer demand whilst maintaining stock at the desired inventory level of 24 pallets. Each pallet of stock held in excess of, or less than, 24 pallets incurs a surcharge of \$10. Running out of stock incurs a penalty of \$500. Your challenge is to satisfy demand whilst incurring the minimum of penalties.

Instructions:

Reset the simulation, using **⏪**. Step through the simulation, step-by-step, using **▶**, placing orders as required. At the end of the simulation record the penalty incurred. Re-run the simulation, each time trying to minimize the penalty.



Stock	23.00 Pallets
Penalty	\$510.00
Week	25.00 wk

