```
\begin{array}{l} \mathit{ANS} ::= \mathit{Yes} \mid \mathit{No} \\ \mathit{COIN} == \{1, 2, 5, 10, 20, 50\} \end{array}
```

I'm cheating and making a 'bag' really just a sequence. Lets hope I can get away with it. Below the concatenation operator intended to mean bag union

```
\begin{array}{l} Purse == [coin: bag \ COIN] \\ PurseInit == [Purse' \mid coin' = \langle \rangle] \end{array}
```