WHILE button not pressed

Display time

ENDWHILE

IF off button pressed

End process

WHILE button not pressed

Display time

ENDWHILE

ELSE IF program button pressed

WHILE current time does not equal pre-set time

Display time

ENDWHILE

WHILE water remaining

Heating element on

Brew coffee

ENDWHILE

End process

WHILE button not pressed

Display time

ENDWHILE

ELSE IF on button pressed

IF pressed twice

User set time

WHILE button not pressed

Display time

ENDWHILE

ELSE

WHILE water remaining

Heating element on

Brew coffee

ENDWHILE

WHILE button not pressed

Display time

ENDWHILE

ENDIF

ENDIF