Charge Account Validation - Flowchart

Coons, John A.
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System Libraries
<iostream>

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Function Prototypes
void Linear_search

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Function Main

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Variables
int NUM_ELS
const int ARRAY_SIZE

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Initialize Array

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Function Call

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(**A**)

(**A**) → **Function Call** Linear_search → **Variables** int charge_num bool found → **Prompt** ask use to enter their account charge number

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(**B**) ← **count<18** (array size) ← **Counter** i=0 ← **Response** user enters their account charge number

TRUE ↓

array element = user input — **FALSE** → **Increment Counter** → (back to Counter)

TRUE ↓

Initialize Variable found=true

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(**B**)

(**B**) → **found=true** — **TRUE** → **Output** valid number! → (**RETURN**)

FALSE ↓

Output invalid number! → (**RETURN**)