**Johnny – Comparing Program**

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1. **Task:**

Create a program in Johnny to compare three numbers and select the biggest one.

1. **Flowchart:**

Obraz zawierający diagram, tekst, linia, Plan

Opis wygenerowany automatycznie

1. **Solution:**

To determine the largest among three numbers A, B, and C, we employ a process using temporary variables TMP and O.

1. Begin by comparing A and B:
   * Subtract B from A and store the result in TMP.
   * If TEMP = 0, B is greater than A. If TMP ≠ 0, A is greater than B.
2. If A was greater:
   * Subtract C from A.
   * If the result = 0, C is the largest, store it in O.
   * If the result ≠ 0, A is the largest, store it in O.
3. If B was greater (skip step 2):
   * Repeat the process with B and C:
     + Subtract C from B.
     + If the result = 0, C is the largest, store it in O.
     + If the result ≠ 0, B is the largest, store it in O.

**Obraz zawierający tekst, zrzut ekranu, numer, Czcionka

Opis wygenerowany automatycznieProgram:**

We will compare the values stored at addresses 036, 037, and 038, respectively

**Obraz zawierający tekst, zrzut ekranu, wyświetlacz, numer

Opis wygenerowany automatycznie**we have our output stored at address 033, and we see that the number 5 is the largest