**PAC**

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| **GIVEN DATA** | **REQUIRED RESULT** |
| * 5 CARD NUMBER ENTERED BY THE USER (a, b, c, d, e,) WITH VALUED BETWEEN 1-13 | * DISPLAY WHETHER THE 5 CARDS FORM A FULL HOUSE OR NOT |
| **PROCESSING REQUIRED** | **SOLUTION ALTERNATIVES** |
| * VALIDATE THAT THE NUMBERS ARE IN THE RANGE OF 1-13 * KEEP A COUNT OF HOW MANY TIMES EACH CARD NUMBER APPEARS * SET TWO FLAGS  THREE = 0 TWO = 0 * IF A NUMBER APPEARS THREE TIMES SET THREE = 1 * IF A NUMBER APPEARS TWO TIMES SET  TWO = 1 | * LOOPS COULD BE USED * FUNCTIONS COULD BE USED |

**IPO**

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| **INPUT** | **PROCESSING** | **OUTPUT** |
| * 5 CARD NUMBERS ENTERED BY THE USER (a, b, c, d, e) WITH VALUES BETWEEN 1-13 | * VALIDATE THAT THE NUMBERS ARE IN RANGE OF 1-13 * KEEP A COUNT OF HOW MANY TIMES EACH CARD NUMBER APPEARS * SET TWO FLAGS  THREE = 0 TWO = 0 * IF A NUMBER APPEARS THREE TIMES SET  THREE = 1 * IF A NUMBER APPEARSTWO TIMES SET TWO = 1 | * DISPLAY WHETHER THE 5 CARDS FORM A FULL HOUSE OR NOT |